

Paper		Sector / Application (from papers)	Main Clusters	Sub-classes	Sub-groups	Indicators (from papers)	Method type	Economic Level
No.								
1		Production systems and manufacturing	Economic	Market Dynamics	Demand Dynamics	Clients' demand structure	Quantitative/Qualitative	Micro, Meso
1		Production systems and manufacturing	Economic	Costs and expences	Fixed and Setup Costs	Fixed setup cost	Quantitative	Micro, Meso
1		Production systems and manufacturing	Economic	Financial performance metrics	Profitability Metrics	Gross profit for each unit	Quantitative	Micro, Meso
1		Production systems and manufacturing	Economic	Supply Chain	Production Efficiency and Quality	Manufacturer's production rate	Quantitative	Micro, Meso
1		Production systems and manufacturing	Economic	Costs and expences	Maintenance and Consumable Costs	Per unit holding cost	Quantitative	Micro, Meso
1		Production systems and manufacturing	Economic	Supply Chain	Production Efficiency and Quality	Quantity level in the storage	Quantitative	Micro, Meso
1		Production systems and manufacturing	Economic	Supply Chain	Production Efficiency and Quality	Total produced quantities	Quantitative	Micro, Meso
1		Production systems and manufacturing	Economic	Financial Performance Metrics	Profitability Metrics	Manufacturer's business period	Quantitative	Micro, Meso
1		Production systems and manufacturing	Environmental	Environmental Impacts	Carbon Emissions	Carbon emission during the production	Quantitative	Micro
1		Production systems and manufacturing	Environmental	Environmental Impacts	Carbon Emissions	Carbon emission from storage operations	Quantitative	Micro
						Carbon emission from the setup		
1		Production systems and manufacturing	Environmental	Environmental Impacts	Carbon Emissions	operations of the production system	Quantitative	Micro
1		Production systems and manufacturing	Legislation	Economic	Environmental tax	Carbon tax	Quantitative	Micro, Meso, Macro
1		Production systems and manufacturing	Legislation	Environmental		Carbon tax	Quantitative	Micro, Meso, Macro
2		Circular economy and sustainability	Circularity	Circularity Metrics and Indices	Sustainability Indices	Set of Indicators to Assess Sustainability	Quantitative/Qualitative	Micro, Meso, Macro
2		Circular economy and sustainability	Circularity	Circularity Metrics and Indices	Sustainability Indices	Sustainability Performance Indicators	Quantitative/Qualitative	Micro, Meso, Macro
				Circular Business Models and				
2		Circular economy and sustainability	Circularity	Practices	Business Models and strategies	Expanded Zero Waste Practice Model	Qualitative	Micro, Meso
2		Circular economy and sustainability	Circularity	Circularity Metrics and Indices	Sustainability Indices	Sustainable Circular Index	Quantitative/Qualitative	Micro, Meso, Macro
						Circular Business Model Set of Indicators		
2		Circular economy and sustainability	Circularity	Circularity Metrics and Indices	Circularity and performancd Indicators	based on Sustainability	Quantitative/Qualitative	Micro, Meso
2		Circular economy and sustainability	Circularity	Circularity Metrics and Indices	Circularity and performancd Indicators	End of Life Best Practice Indicators	Quantitative/Qualitative	Micro, Meso
					Technological Advancement and			
2		Circular economy and sustainability	Technological		Innovation Capacity	Availability of latest technologies	Quantitative/Qualitative	Micro, Meso
					Technological Advancement and			
2		Circular economy and sustainability	Technological		Innovation Capacity	Capacity for innovation	Quantitative/Qualitative	Micro, Meso, Macro
3		Wood production chain	Circularity	Circularity Metrics and Indices	Recoverability Metrics	Thermal energy recovery rate	Quantitative	Micro, Meso
3		Wood production chain	Economic	Financial performance metrics	Efficiency and Investment Metrics	Economic efficiency rate	Quantitative	Micro, Meso
3		Wood production chain	Environmental	Environmental Impacts	Carbon Emissions	Carbon emission reduction rate	Quantitative	Micro, Meso, Macro
3		Wood production chain	Environmental	Energy	Efficiency and productivity	Internal renewable electricity substitution	Quantitative	Micro, Meso
3		Wood production chain	Environmental	Energy	Efficiency and productivity	Internal renewable fuel substitution rate	Quantitative	Micro, Meso
4		Agri-food	Circularity	Circularity Metrics and Indices	Sustainability Indices	Food production index	Quantitative	Micro, Meso, Macro
				Circular Business Models and				
4		Agri-food	Circularity	Practices	Decision making tools	Multi-Criteria Evaluation Method of Product-Level Circularity Strategies	Analytic	Micro, Meso
4		Agri-food	Circularity	Circularity Metrics and Indices	Recoverability Metrics	Recovery of energy by using waste	Quantitative	Micro, Meso
				Circular Business Models and		Product Recovery Multi-Criteria Decision		
4		Agri-food	Circularity	Practices	Decision making tools	Tool	Analytic	Micro, Meso
4		Agri-food	Circularity	Circularity Metrics and Indices	Sustainability Indices	Livestock production index	Quantitative	Micro, Meso, Macro
4		Agri-food	Circularity	Circularity Metrics and Indices	Sustainability Indices	Crop production index	Quantitative	Micro, Meso, Macro
4		Agri-food	Circularity	Circularity Metrics and Indices	Sustainability Indices	Crop production index	Quantitative	Micro, Meso, Macro
4		Agri-food	Circularity	Circularity Metrics and Indices	Recyclability Metrics	Recycling rates	Quantitative	Micro, Meso, Macro
4		Agri-food	Circularity	Circularity Metrics and Indices	Circularity and performancd Indicators	Package to Product	Quantitative/Qualitative	Micro, Meso
4		Agri-food	Environmental	Metrics and indices	Environmental Performance Metrics	Blue water footprint	Quantitative	Macro
4		Agri-food	Economic	Economic Development	Growth and Value Added	Gross Value Added in Agriculture per	Quantitative	Micro, Meso
4		Agri-food	Economic	Costs and expences	Production and Operational Costs	Nutritional cost footprint	Quantitative	Micro, Meso

4	Agri-food	Economic	Economic Development	Growth and Value Added	Total gross Value Added based on total economic output	Quantitative	Macro
4	Agri-food	Economic	Economic Development	Growth and Value Added	Value added, Value added to the economy	Quantitative	Micro, Meso, Macro
4	Agri-food	Economic	Investment	Capital Investments	Fixed capital investment	Quantitative	Micro, Meso
4	Agri-food	Economic	Investment	Capital Investments	Total capital investment	Quantitative	Micro, Meso, Macro
4	Agri-food	Economic	Investment	R&D and Innovation Investments	Percentage share of expenditure in R&D in agriculture to GVA	Quantitative	Micro, Meso
4	Agri-food	Economic	Investment	R&D and Innovation Investments	Percentage share of expenditure in R&D in agriculture to GVA	Quantitative	Micro, Meso, Macro
4	Agri-food	Economic	Costs and expences	Production and Operational Costs	Cost of manufacture	Quantitative	Micro, Meso
4	Agri-food	Economic	Financial performance metrics	Profitability Metrics	Gross profit	Quantitative	Micro, Meso, Macro
4	Agri-food	Economic	Market Dynamics	Competition Dynamics	Intensity of local competition	Quantitative/Qualitative	Micro, Meso, Macro
4	Agri-food	Economic	Financial performance metrics	Profitability Metrics	Minimum selling price	Quantitative	Micro, Meso
4	Agri-food	Economic	Financial performance metrics	Profitability Metrics	Net present value of annual cash flow	Quantitative	Micro, Meso
4	Agri-food	Economic	Financial performance metrics	Profitability Metrics	Net profit	Quantitative	Micro, Meso
4	Agri-food	Economic	Financial performance metrics	Payback and Recovery Metrics	Payback period	Quantitative	Micro, Meso
4	Agri-food	Economic	Costs and expences	Production and Operational Costs	Production costs	Quantitative	Micro, Meso
4	Agri-food	Economic	Financial performance metrics	Profitability Metrics	Profitability indicator	Quantitative	Micro, Meso
4	Agri-food	Economic	Financial performance metrics	Profitability Metrics	Total revenue	Quantitative	Micro, Meso, Macro
4	Agri-food	Economic	Financial performance metrics	Valuation and Risk Metrics	Conditional value at risk, Downside risk, Financial risk	Quantitative/Qualitative	Micro, Meso, Macro
4	Agri-food	Economic	Costs and expences	Environmental and Disposal Costs	Economic food loss and waste indicator	Quantitative	Micro, Meso, Macro
4	Agri-food	Environmental	Metrics and indices	Environmental Performance Metrics	Gray water footprint	Quantitative	Macro
4	Agri-food	Environmental	Metrics and indices	Environmental Performance Metrics	Green Water Footprint	Quantitative	Macro
4	Agri-food	Environmental	Metrics and indices	Environmental Performance Metrics	Level of water stress	Quantitative	Macro
4	Agri-food	Environmental	Metrics and indices	Environmental Performance Metrics	Nutrient circularity indicators (carbon, nitrogen, and phosphorus)	Quantitative	Micro, Meso
4	Agri-food	Environmental	Metrics and indices	Environmental Performance Metrics	Water exploitation index	Quantitative	Macro
4	Agri-food	Environmental	Metrics and indices	Environmental Performance Metrics	Water scarcity index	Quantitative	Macro
4	Agri-food	Environmental	Circular Business Models and circularity Practices	Decision making tools	Multi-Criteria Evaluation Method of Product-Level Circularity Strategies	Analytic	Micro, Meso
4	Agri-food	Environmental	Environmental Impacts	Global Warming and other Emissions	Agriculture total Emission	Quantitative	Macro
4	Agri-food	Environmental	Waste	Generation	Food waste	Quantitative	Macro
4	Agri-food	Environmental	Waste	Generation	Global Food Loss and Waste	Quantitative	Macro
4	Agri-food	Environmental	Environmental Impacts	Acidification	Acidification potential	Quantitative	Macro
4	Agri-food	Environmental	Waste	Disposal and landfill	Waste sent to landfill	Quantitative	Micro, Meso, Macro
4	Agri-food	Environmental	Environmental Impacts	Global Warming and other Emissions	Global warming potential	Quantitative	Macro
4	Agri-food	Environmental	Environmental Impacts	Global Warming and other Emissions	Ozone layer depletion potential	Quantitative	Macro
4	Agri-food	Environmental	Environmental Impacts	Eutrophication	Eutrophication potential	Quantitative	Macro
4	Agri-food	Environmental	Environmental Impacts	Eutrophication	Marine eutrophication	Quantitative	Macro
4	Agri-food	Environmental	Environmental Impacts	Acidification	Aquatic acidification	Quantitative	Macro
4	Agri-food	Environmental	Environmental Impacts	Land Use	Proportion of degraded land to net sown	Quantitative	Macro
4	Agri-food	Environmental	Environmental Impacts	Land Use	The proportion of land that is degraded over total land area	Quantitative	Macro
4	Agri-food	Environmental	Environmental Impacts	Biodiversity	Conservation of fish genetic resource	Quantitative	Macro
4	Agri-food	Environmental	Agriculture	Land	Arable land	Quantitative	Macro
4	Agri-food	Environmental	Agriculture	Land	Area under organic farming	Quantitative	Macro

4	Agri-food	Environmental	Environmental Impacts	Soil Quality	Average carbon content in the topsoil as % in weight	Quantitative	Macro
4	Agri-food	Environmental	Environmental Impacts	Biodiversity	Index of common farmland bird species	Quantitative	Macro
4	Agri-food	Environmental	Agriculture	Fertilizer	Fertilizer consumption	Quantitative	Macro
4	Agri-food	Environmental	Agriculture	Fertilizer	Fertilizers manufactured value	Quantitative	Micro, Meso, Macro
4	Agri-food	Environmental	Agriculture	Fertilizer	Gross nutrient balance on agricultural land – nitrogen	Quantitative	Macro
4	Agri-food	Environmental	Agriculture	Fertilizer	Gross nutrient balance on agricultural land – phosphorus	Quantitative	Macro
4	Agri-food	Environmental	Agriculture	Fertilizer	Organic fertilisers value	Quantitative	Micro, Meso
4	Agri-food	Environmental	Agriculture	Fertilizer	Percentage change in the use of nitrogen fertilizers in the coastal states	Quantitative	Macro
4	Agri-food	Environmental	Agriculture	Pesticides	Pesticides value	Quantitative	Micro
4	Agri-food	Environmental	Agriculture	Pesticides	Pesticides value	Quantitative	Micro
4	Agri-food	Environmental	Environmental Impacts	Global Warming and other Emissions	Particulate matter formation	Quantitative	Micro, Meso, Macro
4	Agri-food	Environmental	Environmental Impacts	Ecotoxicity	Human toxicity potential	Quantitative	Micro, Meso, Macro
4	Agri-food	Environmental	Environmental Impacts	Global Warming and other Emissions	Photochemical oxidant creation potential	Quantitative	Micro, Meso, Macro
4	Agri-food	Environmental	Agriculture	Pesticides	Use of pesticides	Quantitative/Qualitative	Micro, Meso
4	Agri-food	Environmental	Environmental Impacts	Ecotoxicity	Freshwater ecotoxicity	Quantitative	Macro
4	Agri-food	Environmental	Environmental Impacts	Eutrophication	Freshwater eutrophication	Quantitative	Macro
4	Agri-food	Environmental	Water	Efficiency and productivity	Change in water use efficiency over time	Quantitative	Macro
4	Agri-food	Environmental	Water	Efficiency and productivity	Water productivity	Quantitative	Micro, Meso, Macro
4	Agri-food	Environmental	Water	Consumption	Water use	Quantitative	Micro, Meso, Macro
4	Agri-food	Environmental	Water	Consumption	Water withdrawal by agriculture	Quantitative	Meso, Macro
4	Agri-food	Environmental	Water	Management and stress	Degree of integrated water resources management implementation	Qualitative	Macro
4	Agri-food	Environmental	Energy	Intensity	Bioenergy production as a % of renewable energy	Quantitative	Macro
4	Agri-food	Environmental	Energy	Efficiency and productivity	Energy self sufficiency indicator	Quantitative	Micro, Meso
4	Agri-food	Environmental	Energy	Consumption	Nonrenewable energy demand	Quantitative	Micro, Meso, Macro
4	Agri-food	Environmental	Energy	Intensity	Renewable energy share in the total final energy consumption	Quantitative	Micro, Meso, Macro
4	Agri-food	Environmental	Energy	Consumption	Use of primary nonrenewable energy	Quantitative/Qualitative	Micro, Meso, Macro
4	Agri-food	Environmental	Energy	Consumption	Use of primary renewable energy	Quantitative/Qualitative	Micro, Meso, Macro
4	Agri-food	Environmental	Energy	Production	Wood fuel production	Quantitative	Micro, Meso
4	Agri-food	Environmental	Energy	Consumption	Agriculture and forestry energy use as a % of total energy use	Quantitative	Macro
4	Agri-food	Environmental	Energy	Consumption	Cumulative Energy Demand indicator	Quantitative	Micro, Meso, Macro
4	Agri-food	Environmental	Energy	Efficiency and productivity	Energy productivity	Quantitative	Micro, Meso, Macro
4	Agri-food	Environmental	Energy	Consumption	Energy required	Quantitative	Micro, Meso, Macro
4	Agri-food	Environmental	Energy	Consumption	Total Energy consumption	Quantitative	Micro, Meso, Macro
4	Agri-food	Environmental	Energy	Consumption	Use of primary energy	Quantitative/Qualitative	Micro, Meso, Macro
4	Agri-food	Economic	Economic Development	Materials and Resource Efficiency Metrics	Resource productivity	Quantitative	Micro, Meso, Macro
4	Agri-food	Social	Societal Influence	Accessibility and Inclusion	Social inclusion	Quantitative/Qualitative	Micro, Meso, Macro
4	Agri-food	Social	Empowerment	Social Participation and Empowerment	Participation and local democracy	Quantitative/Qualitative	Micro, Meso, Macro
4	Agri-food	Social	Societal Influence	Accessibility and Inclusion	Access to food	Quantitative/Qualitative	Micro, Meso, Macro

4	Agri-food	Social	Job Creation and Supply Chain	Job Creation and Employment	Employment in agriculture (% of total employment)	Quantitative	Micro, Meso, Macro
4	Agri-food	Social	Societal Influence	Accessibility and Inclusion	Number of accessions conserved in the base collection (-18 °C) at National Gene	Quantitative	Micro, Meso
4	Agri-food	Social	Job Creation and Supply Chain	Job Creation and Employment	Employment possibilities	Quantitative/Qualitative	Micro, Meso, Macro
4	Agri-food	Social	Job Creation and Supply Chain	Job Creation and employment	Total labor compensation based on total economic output	Quantitative	Macro
4	Agri-food	Social	Governance and Ethics	Human Rights	Child labor	Quantitative/Qualitative	Micro, Meso, Macro
4	Agri-food	Social	Governance and Ethics	Human Rights	Forced or compulsory labor	Quantitative/Qualitative	Micro, Meso, Macro
4	Agri-food	Social	Welfare	Equity and Equality	Equal distribution	Quantitative/Qualitative	Micro, Meso, Macro
4	Agri-food	Social	Welfare	Equity and Equality	Food security	Quantitative/Qualitative	Micro, Meso, Macro
4	Agri-food	Social	Welfare	Equity and Equality	GINI index	Quantitative	Macro
4	Agri-food	Social	Welfare	Health and Safety	Nutrient-rich foods score	Quantitative	Micro, Meso
4	Agri-food	Social	Welfare	Equity and Equality	Poverty	Quantitative/Qualitative	Micro, Meso, Macro
4	Agri-food	Technological		Agricultural and Industrial Equipment	Agricultural machinery, tractors	Quantitative	Micro, Meso
4	Agri-food	Technological		Organizational and Social Innovation	Extent of staff training	Quantitative/Qualitative	Micro, Meso
4	Agri-food	Technological		Operational Efficiency and Resource Management	Impact of ICTs on new services and products	Quantitative/Qualitative	Micro, Meso, Macro
5	Supply chains	Circularity	Circularity Metrics and Indices	Recoverability Metrics	Recovered waste	Quantitative	Micro, Meso
5	Supply chains	Circularity	Circularity Metrics and Indices	Recyclability Metrics	Recyclability and ease of disassembly	Quantitative/Qualitative	Micro, Meso
5	Supply chains	Circularity	Circularity Metrics and Indices	Recyclability Metrics	Recycled waste	Quantitative	Micro, Meso
5	Supply chains	Economic	Market Dynamics	Customer Relations	Customer incentives for recovery from discarded product	Quantitative/Qualitative	Micro, Meso
5	Supply chains	Economic	Costs and expences	Environmental and Disposal Costs	Penalties and costs for disposal	Quantitative	Micro, Meso
5	Supply chains	Economic	Financial performance metrics	Profitability Metrics	Profits from recovery activities including remanufacturing, recycling, and disposal	Quantitative	Micro, Meso
5	Supply chains	Economic	Supply Chain	Inventory and Returns Management	Reverse supply chain cost	Quantitative	Micro, Meso
5	Supply chains	Economic	Financial performance metrics	Profitability Metrics	Total circular supply chains profits	Quantitative	Micro, Meso
5	Supply chains	Economic	Supply Chain	Logistics and Transportation	Transportation	Quantitative	Micro, Meso
5	Supply chains	Economic	Costs and expences	Transportation and Logistics Costs	Transportation cost	Quantitative	Micro, Meso
5	Supply chains	Economic	Supply Chain	Supplier Performance and Sourcing	Delivery reliability of suppliers	Quantitative/Qualitative	Micro, Meso
5	Supply chains	Economic	Supply Chain	Logistics and Transportation	Facility location costs	Quantitative	Micro, Meso
5	Supply chains	Economic	Financial performance metrics	Profitability Metrics	Net Present Value	Quantitative	Micro, Meso
5	Supply chains	Economic	Costs and expences	Production and Operational Costs	Operational costs	Quantitative	Micro, Meso
5	Supply chains	Economic	Financial performance metrics	Valuation and Risk Metrics	Financial risk, Value at risk	Quantitative	Micro, Meso, Macro
5	Supply chains	Economic	Financial performance metrics	Valuation and Risk Metrics	Net Present Value	Quantitative	Micro, Meso
5	Supply chains	Economic	Costs and expences	Production and Operational Costs	Operational costs	Quantitative	Micro, Meso
5	Supply chains	Economic	Supply Chain	Production Efficiency and Quality	Quality level of the production	Quantitative/Qualitative	Micro, Meso
5	Supply chains	Economic	Supply Chain	Inventory and Returns Management	Quality of the returns	Quantitative/Qualitative	Micro, Meso
5	Supply chains	Economic	Supply Chain	Supply Chain Risk and Assurance	Reliability of supply	Quantitative/Qualitative	Micro, Meso
5	Supply chains	Economic	Financial performance metrics	Profitability Metrics	Return on Assets	Quantitative	Micro, Meso
5	Supply chains	Economic	Financial performance metrics	Profitability Metrics	Return on Equity	Quantitative	Micro, Meso
5	Supply chains	Economic	Supply Chain	Network Strategy and Agility	Time responsiveness of the network	Quantitative/Qualitative	Micro, Meso
5	Supply chains	Economic	Supply Chain	Logistics and Transportation	Time responsiveness of the network	Quantitative/Qualitative	Micro, Meso, Macro
5	Supply chains	Economic	Financial performance metrics	Valuation and Risk Metrics	Variability index	Quantitative	Micro, Meso, Macro
5	Supply chains	Environmental	Metrics and indices	Environmental Performance Metrics	Respiratory inorganics	Quantitative	Micro, Meso, Macro
5	Supply chains	Environmental	Environmental Impacts	Resource Depletion and Efficiency	Abiotic depletion of resource	Quantitative	Micro, Meso, Macro

					Mineral, fossil and renewable resource		
5	Supply chains	Environmental	Environmental Impacts	Resource Depletion and Efficiency	depletion	Quantitative	Micro, Meso, Macro
5	Supply chains	Environmental	Waste	Disposal and landfill	Waste Landfilled	Quantitative	Micro, Meso, Macro
5	Supply chains	Environmental	Environmental Impacts	Global Warming and other Emissions	Climate Change	Quantitative/Qualitative	Macro
5	Supply chains	Environmental	Environmental Impacts	Global Warming and other Emissions	Global Warming Potential	Quantitative	Macro
5	Supply chains	Environmental	Environmental Impacts	Global Warming and other Emissions	Greenhouse gases	Quantitative	Micro, Meso, Macro
5	Supply chains	Environmental	Environmental Impacts	Global Warming and other Emissions	Particulate matter	Quantitative	Micro, Meso, Macro
5	Supply chains	Environmental	Environmental Impacts	Acidification	Marine acidification	Quantitative	Macro
5	Supply chains	Environmental	Environmental Impacts	Acidification	Terrestrial acidification	Quantitative	Macro
5	Supply chains	Environmental	Environmental Impacts	Global Warming and other Emissions	Water emissions	Quantitative	Micro, Meso, Macro
5	Supply chains	Environmental	Water	Consumption	Water use	Quantitative	Micro, Meso, Macro
5	Supply chains	Environmental	Water	Management and stress	Water depletion	Quantitative	Micro, Meso, Macro
5	Supply chains	Environmental	Energy	Efficiency and productivity	Energy self-sufficiency	Quantitative/Qualitative	Micro, Meso
5	Supply chains	Environmental	Energy	Consumption	Renewable energy use	Quantitative	Micro, Meso, Macro
5	Supply chains	Environmental	Energy	Consumption	Cumulative energy demand	Quantitative	Micro, Meso, Macro
5	Supply chains	Environmental	Energy	Consumption	Energy use	Quantitative/Qualitative	Micro, Meso, Macro
			Community and Society		Enlightening customers to return end of		
5	Supply chains	Social	Empowerment	Other	used product	Quantitative/Qualitative	Micro, Meso
5	Supply chains	Social	Job Creation and Supply Chain	Job Creation and Employment	Number of drivers hired for transportation	Quantitative	Micro, Meso
5	Supply chains	Social	Job Creation and Supply Chain	Job Creation and Employment	Number of fixed and variable jobs	Quantitative	Micro, Meso
5	Supply chains	Social	Welfare	Training and Development	Average hours of training	Quantitative	Micro, Meso
					Compliance with the International Labour		
5	Supply chains	Social	Governance and Ethics	Corporate Responsibility	Organization's guidelines	Quantitative/Qualitative	Micro, Meso, Macro
5	Supply chains	Social	Welfare	Equity and Equality	Employee turnover	Quantitative	Micro, Meso
5	Supply chains	Social	Welfare	Health and Safety	Food	Quantitative	Micro, Meso, Macro
5	Supply chains	Social	Welfare	Health and Safety	Number of accidents, lost	Quantitative	Micro, Meso
5	Supply chains	Social	Welfare	Benefits and Compensation	Pension	Quantitative	Micro, Meso
5	Supply chains	Social	Welfare	Training and Development	Training on skills for employability	Quantitative/Qualitative	Micro, Meso
5	Supply chains	Social	Welfare	Health and Safety	Work damages	Quantitative	Micro, Meso
6	Wastewater treatment	Environmental	Metrics and indices	Environmental Performance Metrics	Biological dephosphatation potential	Quantitative	Micro, Meso
	Sewage sludge or dewatering liquors						
6	treatment	Circularity	Circularity Metrics and Indices	Recoverability Metrics	Nutrient recovery indicator	Quantitative	Micro, Meso
					Treated wastewater recovery indicator for		
6	Agricultural water use	Circularity	Circularity Metrics and Indices	Recoverability Metrics	irrigation	Quantitative	Micro, Meso
6	Wastewater treatment	Environmental	Metrics and indices	Environmental Performance Metrics	Effluent inorganic content indicator	Quantitative	Micro, Meso
					Hydrochar yield indicator for		
6	Wastewater treatment	Environmental	Metrics and indices	Environmental Performance Metrics	hydrothermal carbonization of sewage	Quantitative	Micro, Meso
					Indicator for chemicals used for		
6	Sewage sludge treatment	Environmental	Metrics and indices	Environmental Performance Metrics	wastewater treatment	Quantitative	Micro, Meso
6	Wastewater treatment	Environmental	Metrics and indices	Environmental Performance Metrics	Nutrient removal efficiency indicator	Quantitative	Micro, Meso
6	Sewage sludge treatment	Environmental	Metrics and indices	Environmental Performance Metrics	Organic matter removal efficiency	Quantitative	Micro, Meso
					Quality indicators for sewage sludge		
6	Sewage sludge incineration	Environmental	Metrics and indices	Environmental Performance Metrics	ashes recovery	Quantitative	Micro, Meso
6	Wastewater treatment	Environmental	Metrics and indices	Environmental Performance Metrics	Wastewater service coverage indicator	Quantitative	Meso, Macro
6	Agriculture	Environmental	Agriculture	Fertilizer	Bio-based fertilizers indicators	Quantitative	Micro, Meso
6	Sludge dewatering liquors	Environmental	Waste	Treatment and Management	Composting indicator for sewage sludge	Quantitative/Qualitative	Micro, Meso
					Pollutant content indicator for the		
6	Sewage sludge processing and application	Environmental	Water	Quality and Treatment	recovered sewage sludge	Quantitative	Micro, Meso

6	Waste management	Environmental	Waste	Treatment and Management	Sewage sludge processing indicators	Quantitative	Micro, Meso
6	Paper industry	Environmental	Water	Quality and Treatment	Technological nutrient performance indicator for the recovered sludge	Quantitative/Qualitative	Micro, Meso
6	Sewage sludge treatment	Environmental	Energy	Production	Biogas production indicator from sewage sludge	Quantitative	Micro, Meso
7	Product-level circular economy and LCA	Circularity	Circularity Metrics and Indices	Recyclability Metrics	End-of-life recycling rate	Quantitative	Micro, Meso, Macro
7	Product-level circular economy and LCA	Circularity	Circularity Metrics and Indices	Recyclability Metrics	Landfill-to-recycle ratio	Quantitative	Micro, Meso, Macro
7	Product-level circular economy and LCA	Circularity	Circularity Metrics and Indices	Longevity and Durability Metrics	Longevity	Quantitative/Qualitative	Micro, Meso, Macro
7	Product-level circular economy and LCA	Circularity	Circularity Metrics and Indices	Reusability Metrics	Material Re-utilization Score	Quantitative	Micro, Meso
7	Product-level circular economy and LCA	Circularity	Circularity Metrics and Indices	Recyclability Metrics	Old scrap collection rate	Quantitative	Micro, Meso
7	Product-level circular economy and LCA	Circularity	Circularity Metrics and Indices	Recyclability Metrics	Old scrap ratio	Quantitative	Micro, Meso
7	Product-level circular economy and LCA	Circularity	Circularity Metrics and Indices	Recyclability Metrics	Potential recycle index	Quantitative	Micro, Meso
7	Product-level circular economy and LCA	Circularity	Circularity Metrics and Indices	Reusability Metrics	Potential reuse index	Quantitative	Micro, Meso
7	Product-level circular economy and LCA	Circularity	Circularity Metrics and Indices	Recoverability Metrics	Recoverability rate	Quantitative	Micro, Meso
7	Product-level circular economy and LCA	Circularity	Circularity Metrics and Indices	Recyclability Metrics	Recyclability rate	Quantitative	Micro, Meso
7	Product-level circular economy and LCA	Circularity	Circularity Metrics and Indices	Recyclability Metrics	Recycle benefit ratio	Quantitative	Micro, Meso
7	Product-level circular economy and LCA	Circularity	Circularity Metrics and Indices	Recyclability Metrics	Recycle yield ratio	Quantitative	Micro, Meso
7	Product-level circular economy and LCA	Circularity	Circularity Metrics and Indices	Recyclability Metrics	Recycled content	Quantitative	Micro, Meso
7	Product-level circular economy and LCA	Circularity	Circularity Metrics and Indices	Recyclability Metrics	Recycled content rate	Quantitative	Micro, Meso
7	Product-level circular economy and LCA	Circularity	Circularity Metrics and Indices	Recyclability Metrics	Recycling process efficiency rate	Quantitative	Micro, Meso
7	Product-level circular economy and LCA	Circularity	Circularity Metrics and Indices	Recyclability Metrics	Recycling rate	Quantitative	Micro, Meso, Macro
7	Product-level circular economy and LCA	Circularity	Circularity Metrics and Indices	Reusability Metrics	Reusability rate	Quantitative	Micro, Meso
7	Product-level circular economy and LCA	Circularity	Circularity Metrics and Indices	Circularity and performancd Indicators	Circularity	Quantitative/Qualitative	Micro, Meso, Macro
7	Product-level circular economy and LCA	Circularity	Circularity Metrics and Indices	Circularity and performancd Indicators	Circularity and performance Indices	Quantitative/Qualitative	Micro, Meso
7	Product-level circular economy and LCA	Circularity	Circularity Metrics and Indices	Circularity and performancd Indicators	Circularity Index	Quantitative/Qualitative	Micro, Meso, Macro
7	Product-level circular economy and LCA	Circularity	Circularity Metrics and Indices	Circularity and performancd Indicators	Circular-process energy intensity	Quantitative	Micro, Meso
7	Product-level circular economy and LCA	Circularity	Circularity Metrics and Indices	Circularity and performancd Indicators	Circular-process energy intensity	Quantitative	Micro, Meso, Macro
7	Product-level circular economy and LCA	Circularity	Circularity Metrics and Indices	Circularity and performancd Indicators	Circular-process feedstock intensity	Quantitative	Micro, Meso
7	Product-level circular economy and LCA	Circularity	Circularity Metrics and Indices	Circularity and performancd Indicators	Circular-process feedstock intensity	Quantitative	Micro, Meso
7	Product-level circular economy and LCA	Circularity	Circularity Metrics and Indices	Circularity and performancd Indicators	Circular-process waste factor	Quantitative	Micro, Meso
7	Product-level circular economy and LCA	Circularity	Circularity Metrics and Indices	Circularity and performancd Indicators	Linear flow index for product families	Quantitative	Micro, Meso
7	Product-level circular economy and LCA	Circularity	Circularity Metrics and Indices	Circularity and performancd Indicators	Product Circularity Indicator	Quantitative	Micro, Meso, Macro
7	Product-level circular economy and LCA	Circularity	Circularity Metrics and Indices	Circularity and performancd Indicators	Product renewability	Quantitative	Micro, Meso
7	Product-level circular economy and LCA	Circularity	Circularity Metrics and Indices	Circularity and performancd Indicators	Relative net loss	Quantitative	Micro, Meso
7	Product-level circular economy and LCA	Economic	Economic Development	Growth and Value Added	Circular Economic Value	Quantitative	Micro, Meso
7	Product-level circular economy and LCA	Environmental	Metrics and indices	Waste Management Metrics	Waste factor	Quantitative	Micro, Meso, Macro
7	Product-level circular economy and LCA	Environmental	Waste	Treatment and Management	Collection rate	Quantitative	Micro, Meso, Macro
7	Product-level circular economy and LCA	Environmental	Energy	Intensity	Energy intensity	Quantitative	Micro, Meso, Macro
7	Product-level circular economy and LCA	Environmental	Material and resources	Consumption	Feedstock intensity	Quantitative	Micro, Meso
7	Product-level circular economy and LCA	Economic	Economic Development	Materials and Resource Efficiency Metrics	Material Circularity Indicator	Quantitative	Micro, Meso, Macro
7	Product-level circular economy and LCA	Economic	Economic Development	Materials and Resource Efficiency Metrics	Material Circularity Indicator for bio-based and biodegradable products	Quantitative	Micro, Meso, Macro
7	Product-level circular economy and LCA	Economic	Economic Development	Materials and Resource Efficiency Metrics	Process material circularity	Quantitative	Micro, Meso
7	Product-level circular economy and LCA	Economic	Economic Development	Materials and Resource Efficiency Metrics	Resource efficiency indicator for electrical and electronic equipment	Quantitative/Qualitative	Micro, Meso
8	Circular economy	Circularity	Circularity Metrics and Indices	Longevity and Durability Metrics	Longevity	Quantitative/Qualitative	Micro, Meso, Macro
8	Circular economy	Circularity	Circularity Metrics and Indices	Reusability Metrics	Potential for reuse	Quantitative/Qualitative	Micro, Meso
8	Circular economy	Circularity	Circularity Metrics and Indices	Circularity and performancd Indicators	Performance indicator	Quantitative/Qualitative	Micro, Meso

8	Circular economy	Environmental	Metrics and indices	Waste Management Metrics	Waste factor	Quantitative	Micro, Meso
8	Circular economy	Economic	Economic Development	Materials and Resource Efficiency Metrics	Resource efficiency	Quantitative/Qualitative	Micro, Meso, Macro
9	Resource efficiency	Circularity	Circularity Metrics and Indices	Recyclability Metrics	Recycling rate	Quantitative	Micro, Meso, Macro
9	Resource efficiency	Economic	Economic Development	Materials and Resource Efficiency Metrics	Final retention in society of a material	Quantitative	Micro, Meso
9	Resource efficiency	Economic	Economic Development	Materials and Resource Efficiency Metrics	Footprint associated with the employment of 1 kg of material during the In-use occupation of a material in product cycle	Quantitative	Micro, Meso
9	Resource efficiency	Economic	Economic Development	Materials and Resource Efficiency Metrics	Resource efficiency of the final retention in society	Quantitative/Qualitative	Micro, Meso, Macro
10	Decentralised circular water system	Circularity	Circularity Metrics and Indices	Reducability Metrics	Reduction of negative impacts of extracting minerals (water, soil)	Quantitative/Qualitative	Micro, Meso, Macro
10	Decentralised circular water system	Economic	Costs and expences	Production and Operational Costs	Material cost	Quantitative	Micro, Meso
10	Decentralised circular water system	Economic	Costs and expences	Fixed and Setup Costs	Installation	Quantitative	Micro, Meso
10	Decentralised circular water system	Economic	Costs and expences	Fixed and Setup Costs	Installation, Purchase and installation costs of additional technologies	Quantitative	Micro, Meso
10	Decentralised circular water system	Economic	Costs and expences	Maintenance and Consumable Costs	Other consumable & maintenance costs	Quantitative	Meso, Macro
10	Decentralised circular water system	Economic	Economic Development	Materials and Resource Efficiency Metrics	In-use occupation ratio of a material	Quantitative	Micro, Meso
10	Decentralised circular water system	Environmental	Environmental Impacts	Carbon Emissions	Environment benefits from carbon sequestration	Quantitative/Qualitative	Micro, Meso, Macro
10	Decentralised circular water system	Environmental	Environmental Impacts	Biodiversity	Biodiversity	Quantitative/Qualitative	Micro, Meso, Macro
10	Decentralised circular water system	Environmental	Agriculture	Products and by-products	Benefit from organic products, irrigation crops, herbs, etc.	Quantitative/Qualitative	Micro, Meso
10	Decentralised circular water system	Environmental	Agriculture	Certification	Organic certificate	Qualitative	Micro, Meso
10	Decentralised circular water system	Environmental	Water	Quality and Treatment	Wastewater treatment	Quantitative/Qualitative	Micro, Meso
10	Decentralised circular water system	Environmental	Water	Quality and Treatment	Reduction of excess nutrient loads in water bodies	Quantitative	Micro, Meso, Macro
10	Decentralised circular water system	Environmental	Water	Efficiency and productivity	Freshwater withdrawal savings (replaced by treated grey and rainwater)	Quantitative	Micro, Meso
10	Decentralised circular water system	Environmental	Energy	Consumption	Total energy usage	Quantitative	Micro, Meso, Macro
10	Decentralised circular water system	Social	Community and Society	Social Participation and Empowerment	School visits	Quantitative/Qualitative	Micro, Meso
10	Decentralised circular water system	Social	Job Creation and Supply Chain	Job Creation and Employment	Employment (maintaining/creation)	Quantitative	Micro, Meso, Macro
10	Decentralised circular water system	Social	Community and Society	Social Participation and Empowerment	Tourism	Quantitative/Qualitative	Micro, Meso, Macro
10	Decentralised circular water system	Social	Empowerment	Corporate Responsibility	Human resources	Quantitative/Qualitative	Micro, Meso
10	Decentralised circular water system	Social	Governance and Ethics	Corporate Responsibility	Legal affairs (e.g., permits)	Qualitative	Micro, Meso
11	Waste management	Circularity	Circularity Metrics and Indices	Recoverability Metrics	Fertilizer production out of waste	Quantitative	Micro, Meso
11	Waste management	Circularity	Circularity Metrics and Indices	Recyclability Metrics	Municipal waste recycling rate	Quantitative	Micro, Meso, Macro
11	Waste management	Circularity	Circularity Metrics and Indices	Recoverability Metrics	Recovery rate of construction and demolition waste	Quantitative	Micro, Meso, Macro
11	Waste management	Circularity	Circularity Metrics and Indices	Recyclability Metrics	Recycling of bio-waste per capita	Quantitative	Micro, Meso
11	Waste management	Circularity	Circularity Metrics and Indices	Recyclability Metrics	Recycling rate of electrical and electronic waste (e-waste)	Quantitative	Micro, Meso, Macro
11	Waste management	Circularity	Circularity Metrics and Indices	Recyclability Metrics	Recycling rate of plastic packaging waste	Quantitative	Micro, Meso, Macro
11	Waste management	Circularity	Circularity Metrics and Indices	Recyclability Metrics	Recycling rate of total packaging waste	Quantitative	Micro, Meso, Macro
11	Waste management	Circularity	Circularity Metrics and Indices	Recyclability Metrics	Recycling rate of total waste excluding mineral waste	Quantitative	Micro, Meso, Macro

12	Circular economy and sustainability	Circularity	Circularity Metrics and Indices	Circularity and performancd Indicators	Post-sale services (repair)	Quantitative/Qualitative	Micro, Meso
12	Circular economy and sustainability	Circularity	Circular Business Models and Practices	Corporate Governance	Corporate Governance	Qualitative	Micro, Meso, Macro
12	Circular economy and sustainability	Circularity	Circular Business Models and Practices	Business Models and strategies	Monitoring system of hazardous substances on suppliers factories	Qualitative	Micro, Meso
12	Circular economy and sustainability	Circularity	Circular Business Models and Practices	Policy and Regulatory Compliance	Disclosure and control of the restricted hazardous substances	Qualitative	Micro, Meso
12	Circular economy and sustainability	Economic	Supply Chain	Supplier Performance and Sourcing	Disclosure of list of suppliers	Quantitative/Qualitative	Micro, Meso
12	Circular economy and sustainability	Economic	Investment	Capital Investments	Social investments in formation centres	Quantitative/Qualitative	Micro, Meso
12	Circular economy and sustainability	Economic	Supply Chain	Production Efficiency and Quality	Diversity in supply chain	Quantitative/Qualitative	Micro, Meso
12	Circular economy and sustainability	Economic	Supply Chain	Supplier Performance and Sourcing	Assessment of long-term suppliers, Assessment of new suppliers	Qualitative	Micro, Meso, Macro
12	Circular economy and sustainability	Economic	Financial performance metrics	Efficiency and Investment Metrics	Percent of increment of sales	Quantitative	Micro, Meso, Macro
12	Circular economy and sustainability	Economic	Market Dynamics	Market Characteristics	Attention to products and their regions	Quantitative/Qualitative	Micro, Meso, Macro
12	Circular economy and sustainability	Social	Governance and Ethics	Human Rights	HR Diversity (gender, mature employees, immigrants, disabilities)	Quantitative/Qualitative	Micro, Meso
12	Circular economy and sustainability	Social	Governance and Ethics	Corporate Responsibility	Ethical and social commitment in supply	Quantitative/Qualitative	Micro, Meso
12	Circular economy and sustainability	Social	Job Creation and Supply Chain	Product Quality and Information	Rate of complaints related to acceptability of the product	Quantitative	Micro, Meso
12	Circular economy and sustainability	Social	Job Creation and Supply Chain	Job Creation and Employment	Employment stability (internal and	Quantitative/Qualitative	Micro, Meso
12	Circular economy and sustainability	Social	Job Creation and Supply Chain	Job Creation and Employment	Jobs created in the community (internal and external)	Quantitative/Qualitative	Micro, Meso
12	Circular economy and sustainability	Social	Welfare	Health and Safety	Balance between work and rest	Quantitative/Qualitative	Micro, Meso
12	Circular economy and sustainability	Social	Governance and Ethics	Corporate Responsibility	Agreement in a code of conduct	Qualitative	Micro, Meso
12	Circular economy and sustainability	Social	Governance and Ethics	Corporate Responsibility	Compliance with labour & social security obligations	Quantitative/Qualitative	Micro, Meso
12	Circular economy and sustainability	Social	Governance and Ethics	Corporate Responsibility	Compliance with labour & social security obligations (external)	Quantitative/Qualitative	Micro, Meso
12	Circular economy and sustainability	Social	Governance and Ethics	Human Rights	Monitoring of human rights and labour conditions by visits	Quantitative/Qualitative	Micro, Meso
12	Circular economy and sustainability	Social	Governance and Ethics	Corporate Responsibility	Relation with Unions of employees	Quantitative/Qualitative	Micro, Meso, Macro
12	Circular economy and sustainability	Social	Welfare	Quality and Rights	Community capital	Quantitative/Qualitative	Micro, Meso, Macro
12	Circular economy and sustainability	Social	Welfare	Quality and Rights	Customer welfare	Quantitative/Qualitative	Micro, Meso
12	Circular economy and sustainability	Social	Welfare	Equity and Equality	Equality in opportunities for male and female employees	Quantitative	Micro, Meso
12	Circular economy and sustainability	Social	Welfare	Training and Development	Freedom of Association and Collective Bargaining	Qualitative	Micro, Meso, Macro
12	Circular economy and sustainability	Social	Welfare	Health and Safety	Health and safety (internal and external)	Quantitative/Qualitative	Micro, Meso
12	Circular economy and sustainability	Social	Welfare	Training and Development	Right to Freedom of Association and Collective Bargaining	Qualitative	Micro, Meso, Macro
12	Circular economy and sustainability	Social	Welfare	Training and Development	Training (internal and external)	Quantitative/Qualitative	Micro, Meso
12	Circular economy and sustainability	Social	Welfare	Equity and Equality	Use of short-term contracts	Quantitative/Qualitative	Micro, Meso
12	Circular economy and sustainability	Social	Welfare	Equity and Equality	Valorisation of people	Quantitative/Qualitative	Micro, Meso
12	Circular economy and sustainability	Social	Welfare	Benefits and Compensation	Wages and salaries (internal and external)	Quantitative	Micro, Meso
12	Circular economy and sustainability	Legislation	Social	Labour	Policy of wages and career (internal)	Quantitative/Qualitative	Micro, Meso
12	Circular economy and sustainability	Legislation	Social	Labour	The policy of wages & career (external)	Quantitative/Qualitative	Micro, Meso
12	Circular economy and sustainability	Legislation	Economic	Tax policies	Amount of taxes paid (internal and	Quantitative	Micro, Meso
12	Circular economy and sustainability	Legislation	Economic	Tax policies	Amount of taxes paid (internal and	Quantitative	Micro, Meso



13	Agri-food	Circularity	Circular Business Models and Practices	Decision making tools	Product Recovery Multi-Criteria Decision Tool	Analytic	Micro, Meso
13	Agri-food	Circularity	Circularity Metrics and Indices	Recyclability Metrics	Wood packaging recycling rate	Quantitative	Micro, Meso
13	Agri-food	Circularity	Circular Business Models and Practices	Corporate Governance	Presence of ecological investment	Qualitative	Micro, Meso
13	Agri-food	Circularity	Circular Business Models and Practices	Corporate Governance	Presence of quality certifications or quality control systems	Qualitative	Micro, Meso
13	Agri-food	Circularity	Circular Business Models and Practices	Corporate Governance	Presence of ecological investment	Qualitative	Micro, Meso
13	Agri-food	Economic	Supply Chain	Production Efficiency and Quality	Dependency on external inputs	Quantitative/Qualitative	Micro, Meso, Macro
13	Agri-food	Economic	Costs and expences	Training, Education, and Healthcare Costs	Spending on medicines and veterinary	Quantitative	Micro, Meso
13	Agri-food	Economic	Economic Development	Sectoral and Regional Development	Contribution to economic development	Quantitative/Qualitative	Micro, Meso
13	Agri-food	Economic	Economic Development	Growth and Value Added	Economic growth of the sector	Quantitative	Micro, Meso, Macro
13	Agri-food	Economic	Economic Development	Sectoral and Regional Development	Improve the local market	Quantitative/Qualitative	Micro, Meso, Macro
13	Agri-food	Economic	Market Dynamics	Market Innovation and Diversification	Market diversification new kinds of	Quantitative/Qualitative	Micro, Meso
13	Agri-food	Economic	Market Dynamics	Market Innovation and Diversification	Market diversification new kinds of markets, New commercial channels	Quantitative/Qualitative	Micro, Meso
13	Agri-food	Economic	Market Dynamics	Sector-Specific Dynamics	Farmer valuation of the efficiency of the auxiliary industries in the sector	Quantitative/Qualitative	Micro, Meso
13	Agri-food	Economic	Economic Development	Private investment	Income per unpaid labor unit	Quantitative	Micro, Meso
13	Agri-food	Economic	Market Dynamics	Competition Dynamics	Increase in producer contracting power	Quantitative/Qualitative	Micro, Meso
13	Agri-food	Economic	Financial performance metrics	Profitability Metrics	Market-based gross margin per hectare	Quantitative	Micro, Meso
13	Agri-food	Economic	Financial performance metrics	Profitability Metrics	Market-based gross margin per hectare	Quantitative	Micro, Meso
13	Agri-food	Economic	Financial performance metrics	Efficiency and Investment Metrics	Share capital	Quantitative	Micro, Meso
13	Agri-food	Economic	Investment	R&D and Innovation Investments	Investment in maintenance	Quantitative	Micro, Meso
13	Agri-food	Environmental	Waste	Efficiency	Reduction in plastic amount of time	Quantitative	Micro, Meso
13	Agri-food	Environmental	Environmental Impacts	Global Warming and other Emissions	Ammonia emissions	Quantitative	Micro, Meso, Macro
13	Agri-food	Environmental	Environmental Impacts	Global Warming and other Emissions	Greenhouse gas emissions	Quantitative	Micro, Meso
13	Agri-food	Environmental	Environmental Impacts	Land Use	Percent of forest area on total property	Quantitative	Micro, Meso
13	Agri-food	Environmental	Environmental Impacts	Land Use	Land use	Quantitative	Micro, Meso, Macro
13	Agri-food	Environmental	Environmental Impacts	Land Use	Presents a considerable amount of degraded land	Quantitative/Qualitative	Micro, Meso, Macro
13	Agri-food	Environmental	Agriculture	Fertilizer	Amount of chemical nitrogen used as fertilizer input that produces NO2	Quantitative	Micro, Meso
13	Agri-food	Environmental	Agriculture	Fertilizer	Amount of organic fertilizer as external	Quantitative	Micro, Meso
13	Agri-food	Environmental	Agriculture	Pesticides	Amount of pesticide used (active ingredient) in the producer farm	Quantitative	Micro, Meso
13	Agri-food	Environmental	Environmental Impacts	Biodiversity	Level of animal diseases	Quantitative/Qualitative	Micro, Meso
13	Agri-food	Environmental	Environmental Impacts	Biodiversity	Number of autochthonous species cultivated in the producer farm	Quantitative	Micro, Meso
13	Agri-food	Environmental	Environmental Impacts	Biodiversity	Number of crops cultivated by the farm	Quantitative	Micro, Meso
13	Agri-food	Environmental	Environmental Impacts	Biodiversity	Number of species cultivated in the producer farm	Quantitative	Micro, Meso
13	Agri-food	Environmental	Energy	Production	Total calories produced for different crops	Quantitative	Micro, Meso
13	Agri-food	Environmental	Agriculture	Pesticides	Pesticide use	Quantitative/Qualitative	Micro, Meso
13	Agri-food	Environmental	Environmental Impacts	Biodiversity	Restoration and conservation actions	Qualitative	Micro, Meso, Macro
13	Agri-food	Environmental	Agriculture	Fertilizer	Use of organic fertilizers	Quantitative/Qualitative	Micro, Meso

13	Agri-food	Environmental	Environmental Impacts	Ecotoxicity	Intake of heavy metals and polycyclic aromatic hydrocarbons	Quantitative	Micro, Meso, Macro
13	Agri-food	Environmental	Environmental Impacts	Ecotoxicity	Percent of chemical or biological contaminants that may cause harm to the health of the consumer	Quantitative	Micro, Meso
13	Agri-food	Environmental	Environmental Impacts	Eutrophication	Nitrate leaching	Quantitative	Micro, Meso, Macro
13	Agri-food	Environmental	Energy	Consumption	Fossil use	Quantitative	Micro, Meso, Macro
13	Agri-food	Environmental	Energy	Consumption	Renewable energy sources utilized in the	Quantitative	Micro, Meso
13	Agri-food	Environmental	Energy	Consumption	Energy use	Quantitative/Qualitative	Micro, Meso, Macro
13	Agri-food	Economic	Economic Development	Materials and Resource Efficiency Metrics	Stability of production	Quantitative/Qualitative	Micro, Meso
13	Agri-food	Social	Societal Influence	Accessibility and Inclusion	Improve socio-economic status and decent life standards	Quantitative/Qualitative	Micro, Meso, Macro
13	Agri-food	Social	Governance and Ethics	Corporate Responsibility	Proactive behavior to promoting the social responsibility	Quantitative/Qualitative	Micro, Meso
13	Agri-food	Social	Job Creation and Supply Chain	Product Quality and Information	Consumer satisfaction level	Quantitative	Micro, Meso
13	Agri-food	Social	Community and Society		Relationships with the media and communication	Quantitative/Qualitative	Micro, Meso
13	Agri-food	Social	Empowerment	Social Participation and Empowerment	The possibility for consumers to know products and their regions through labeling; Information about product	Quantitative/Qualitative	Micro, Meso
13	Agri-food	Social	Job Creation and Supply Chain	Product Quality and Information	Percentage of family workers in total employment of the farm	Quantitative	Micro, Meso
13	Agri-food	Social	Job Creation and Supply Chain	Job Creation and Employment	Percent of women hire	Quantitative	Micro, Meso
13	Agri-food	Social	Job Creation and Supply Chain	Job Creation and Employment	Increase in the number of (salaried)	Quantitative	Micro, Meso, Macro
13	Agri-food	Social	Job Creation and Supply Chain	Job Creation and Employment	Job creation and employment	Quantitative	Micro, Meso, Macro
13	Agri-food	Social	Community and Society				
13	Agri-food	Social	Empowerment	Social Participation and Empowerment	Participation in cooperative organizations	Quantitative/Qualitative	Micro, Meso
13	Agri-food	Social	Community and Society				
13	Agri-food	Social	Empowerment	Social Participation and Empowerment	Participation in events	Quantitative/Qualitative	Micro, Meso
13	Agri-food	Social	Job Creation and Supply Chain	Job Creation and Employment	Percent of local residents employed on	Quantitative	Micro, Meso
13	Agri-food	Social	Job Creation and Supply Chain	Job Creation and Employment	Percent of the total employment	Quantitative	Micro, Meso, Macro
13	Agri-food	Social	Job Creation and Supply Chain	Job Creation and Employment	Percent of young people on the total of producers	Quantitative	Micro, Meso
13	Agri-food	Social	Job Creation and Supply Chain	Job Creation and Employment	Presence of illegally hired workers and child labor found	Quantitative	Micro, Meso, Macro
13	Agri-food	Social	Governance and Ethics	Human Rights		Quantitative	Micro, Meso, Macro
13	Agri-food	Social	Welfare	Training and Development	Different levels of education	Quantitative	Micro, Meso
13	Agri-food	Social	Governance and Ethics	Corporate Responsibility	Presence of formal agreement	Quantitative/Qualitative	Micro, Meso
13	Agri-food	Social	Community and Society		Proactive collaboration among farmers and research centers and universities on new cultivation techniques and structural innovations in the farm	Quantitative/Qualitative	Micro, Meso
13	Agri-food	Social	Empowerment	Social Participation and Empowerment			
13	Agri-food	Social	Community and Society				
13	Agri-food	Social	Empowerment	Other	Age of the decision-maker of the farm	Quantitative	Micro, Meso
13	Agri-food	Social	Welfare	Health and Safety	Implemented health and safety programs	Quantitative/Qualitative	Micro, Meso
13	Agri-food	Social	Welfare	Health and Safety	Increase health and safety culture	Quantitative/Qualitative	Micro, Meso
13	Agri-food	Social	Welfare	Health and Safety	Number of incidents and accidents	Quantitative	Micro, Meso
13	Agri-food	Social	Welfare	Quality and Rights	Place where he lives	Quantitative/Qualitative	Micro, Meso
13	Agri-food	Social	Welfare	Equity and Equality	Possibility of adopting natural behaviors	Quantitative/Qualitative	Micro, Meso

13	Agri-food	Social	Welfare	Health and Safety	Presence of tools to reduce noise Increase of tools communication with consumers	Qualitative	Micro, Meso
13	Agri-food	Technological		Organizational and Social Innovation	Implementation of agricultural policies aimed at effective environmental	Quantitative/Qualitative	Micro, Meso
13	Agri-food	Legislation	Environmental		Waste management practices and	Qualitative	Meso, Macro
13	Agri-food	Legislation	Environmental		Application of sustainability criteria for the product	Quantitative/Qualitative	Micro, Meso, Macro
14	Corporate sustainability reports	Environmental	Metrics and indices Circular Business Models and Practices	Environmental Performance Metrics		Quantitative/Qualitative	Micro, Meso
14	Corporate sustainability reports	Circularity		Business Models and strategies	Circular services offered	Qualitative	Micro, Meso
14	Corporate sustainability reports	Circularity	Circularity Metrics and Indices	Recyclability Metrics	Consumption of recycled material	Quantitative	Micro, Meso
14	Corporate sustainability reports	Circularity	Circularity Metrics and Indices	Reusability Metrics	Consumption of reused material	Quantitative	Micro, Meso
14	Corporate sustainability reports	Circularity	Circularity Metrics and Indices Circular Business Models and Practices	Reusability Metrics	Consumption of reused material (internal)	Quantitative	Micro, Meso
14	Corporate sustainability reports	Circularity		Business Models and strategies	Management systems Incentive policies and financial investment for the sustainable development of outsourced parties	Qualitative	Micro, Meso
14	Corporate sustainability reports	Circularity	Circular Business Models and Practices	Policy and Regulatory Compliance		Qualitative	Micro, Meso
14	Corporate sustainability reports	Circularity	Circular Business Models and Practices	Policy and Regulatory Compliance	Environmental compensation actions	Qualitative	Micro, Meso, Macro
14	Corporate sustainability reports	Circularity	Circular Business Models and Practices	Business Models and strategies	Published environmental reports	Qualitative	Micro, Meso
14	Corporate sustainability reports	Circularity	Circular Business Models and Practices	Business Models and strategies	Good practices regarding the use of packaging (within the organization)	Qualitative	Micro
14	Corporate sustainability reports	Circularity	Circularity Metrics and Indices	Recyclability Metrics	Recirculated water	Quantitative	Micro, Meso
14	Corporate sustainability reports	Economic	Economic Development	Materials and Resource Efficiency Metrics	Efficient equipment and machinery	Quantitative/Qualitative	Micro
14	Corporate sustainability reports	Economic	Supply Chain	Supplier Performance and Sourcing	Sustainable suppliers	Qualitative	Micro, Meso
14	Corporate sustainability reports	Economic	Investment	Capital Investments	Investment in research projects	Quantitative	Micro, Meso, Macro
14	Corporate sustainability reports	Economic	Supply Chain	Supplier Performance and Sourcing	Origin of the raw material	Quantitative/Qualitative	Micro, Meso
14	Corporate sustainability reports	Environmental	Material and resources	Consumption	Total material consumption	Quantitative	Micro, Meso, Macro
14	Corporate sustainability reports	Environmental	Waste	Generation	Total waste generation (absolute value)	Quantitative	Micro, Meso, Macro
14	Corporate sustainability reports	Environmental	Waste	Generation	Waste generated that is valued	Quantitative	Micro, Meso
14	Corporate sustainability reports	Environmental	Environmental Impacts	Carbon Emissions	Carbon footprint	Quantitative	Micro, Meso, Macro
14	Corporate sustainability reports	Environmental	Environmental Impacts	Land Use	Land use	Quantitative	Micro, Meso, Macro
14	Corporate sustainability reports	Environmental	Water	Quality and Treatment	Amount of water discharged without purification	Quantitative	Micro, Meso, Macro
14	Corporate sustainability reports	Environmental	Water	Consumption	Total water discharge (absolute value)	Quantitative	Micro, Meso, Macro
14	Corporate sustainability reports	Environmental	Water	Quality and Treatment	Quality of water discharge	Qualitative	Micro, Meso
14	Corporate sustainability reports	Environmental	Water	Consumption	Consumption of recirculated external	Quantitative	Micro, Meso
14	Corporate sustainability reports	Environmental	Water	Consumption	Total water consumption	Quantitative	Micro, Meso, Macro
14	Corporate sustainability reports	Environmental	Energy	Production	Energy self-generation	Quantitative	Micro, Meso
14	Corporate sustainability reports	Environmental	Energy	Consumption	Renewable energy consumption	Quantitative	Micro, Meso
14	Corporate sustainability reports	Environmental	Energy	Consumption	Energy consumption	Quantitative	Micro, Meso, Macro
14	Corporate sustainability reports	Environmental	Energy	Efficiency and productivity	Use of residual energy	Quantitative/Qualitative	Micro, Meso
14	Corporate sustainability reports	Economic	Economic Development	Materials and Resource Efficiency Metrics	Type of feed supply	Qualitative	Micro, Meso
14	Corporate sustainability reports	Social	Welfare	Benefits and Compensation	Additional workers benefit (e.g., bonuses, profit sharing, etc.)	Quantitative/Qualitative	Micro, Meso
14	Corporate sustainability reports	Social	Welfare	Quality and Rights	Social actions	Quantitative/Qualitative	Micro, Meso

14	Corporate sustainability reports	Technological		Patents and Intellectual Property	Patents related to circularity	Quantitative	Micro, Meso, Macro
14	Corporate sustainability reports	Legislation	Environmental		Environmental legislation	Qualitative	Meso, Macro
15	Textile and fashion industry	Circularity	Circular Business Models and Practices	Corporate Governance	Private certification, auditing, and monitoring systems	Qualitative	Micro, Meso
15	Textile and fashion industry	Economic	Economic Development	GDP Indicators	A percentage of gross domestic product (GDP) at current prices	Quantitative	Macro
15	Textile and fashion industry	Economic	Supply Chain	Supplier Performance and Sourcing	Long-term partnership in the value chain	Qualitative	Micro, Meso
15	Textile and fashion industry	Economic	Supply Chain	Supplier Performance and Sourcing	Management of third- and fourth-party subcontractors	Qualitative	Micro, Meso
15	Textile and fashion industry	Social	Welfare	Benefits and Compensation	Career plan programs for workers	Quantitative/Qualitative	Micro, Meso
15	Textile and fashion industry	Social	Governance and Ethics	Human Rights	Employment of different races and ethnicities people	Quantitative	Micro, Meso
15	Textile and fashion industry	Social	Governance and Ethics	Human Rights	Employment of LGBTQIA + people	Quantitative	Micro, Meso
15	Textile and fashion industry	Social	Governance and Ethics	Human Rights	Employment of people in social vulnerability situations	Quantitative	Micro, Meso
15	Textile and fashion industry	Social	Governance and Ethics	Human Rights	Employment of people regardless of personal beliefs	Quantitative	Micro, Meso
15	Textile and fashion industry	Social	Governance and Ethics	Human Rights	Employment of people with disabilities	Quantitative	Micro, Meso
15	Textile and fashion industry	Social	Community and Society Empowerment	Social Participation and Empowerment	Relationships and actions with local communities	Quantitative/Qualitative	Micro, Meso, Macro
15	Textile and fashion industry	Social	Governance and Ethics	Corporate Responsibility	Educational policies for suppliers in noncompliance with auditing and/or certifications standards	Quantitative/Qualitative	Micro, Meso
15	Textile and fashion industry	Social	Job Creation and Supply Chain	Product Quality and Information	Transparency and sharing of results throughout the production chain	Quantitative/Qualitative	Micro, Meso
15	Textile and fashion industry	Social	Welfare	Training and Development	Educational policies for disseminating the concepts and meanings of circular economy to all workers	Quantitative/Qualitative	Micro, Meso
15	Textile and fashion industry	Social	Community and Society Empowerment	Other	Collaboration (companies and other stakeholders working together for sustainable development)	Quantitative/Qualitative	Micro, Meso, Macro
15	Textile and fashion industry	Social	Job Creation and Supply Chain	Job Creation and Employment	Qualification/requalification of workers in the value chain to develop new specialties and skills	Quantitative/Qualitative	Micro, Meso
15	Textile and fashion industry	Social	Governance and Ethics	Corporate Responsibility	Policies against harassment and abuse	Qualitative	Micro, Meso
15	Textile and fashion industry	Social	Governance and Ethics	Corporate Responsibility	Ensuring women, migrants, people of different races and ethnicities, people in social vulnerability situations, people with disabilities, and LGBTQIA + people in tactical and strategic positions as well as equal leadership opportunities	Quantitative	Micro, Meso
15	Textile and fashion industry	Social	Job Creation and Supply Chain	Job Creation and Employment	Women's employment	Quantitative	Micro, Meso
15	Textile and fashion industry	Social	Job Creation and Supply Chain	Job Creation and Employment	Encouragement of local labour	Quantitative/Qualitative	Micro, Meso
15	Textile and fashion industry	Social	Job Creation and Supply Chain	Job Creation and Employment	New job creation	Quantitative	Micro, Meso, Macro
15	Textile and fashion industry	Social	Job Creation and Supply Chain	Job Creation and Employment	Qualified job creation	Quantitative	Micro, Meso, Macro
15	Textile and fashion industry	Social	Welfare	Benefits and Compensation	Enough payment to provide a middle-class living standard for workers	Quantitative	Micro, Meso

15	Textile and fashion industry	Social	Governance and Ethics	Human Rights	Prevention measures and fight against child labour	Quantitative/Qualitative	Micro, Meso, Macro
15	Textile and fashion industry	Social	Governance and Ethics	Human Rights	Prevention measures and fight against contemporary slave labour	Quantitative/Qualitative	Micro, Meso, Macro
15	Textile and fashion industry	Social	Welfare	Equity and Equality	Ensuring equal pay for men, women, migrants, people of different races and ethnicities, people in social vulnerability situations, people with disabilities, and	Quantitative	Micro, Meso
15	Textile and fashion industry	Social	Governance and Ethics	Corporate Responsibility	Compliance program	Quantitative/Qualitative	Micro, Meso
15	Textile and fashion industry	Social	Governance and Ethics	Corporate Responsibility	Formalized work (established a working agreement in Brazil includes workers with a signed Employment and Social Security Card and registered companies)	Quantitative	Micro, Meso
15	Textile and fashion industry	Social	Governance and Ethics	Corporate Responsibility	Horizontal organizational structure (capacity to establish collaborative and interactive agreements with workers in	Quantitative/Qualitative	Micro, Meso
15	Textile and fashion industry	Social	Job Creation and Supply Chain	Job Creation and Employment	Migrants' employment	Quantitative	Micro, Meso
15	Textile and fashion industry	Social	Welfare	Training and Development	Freedom of association and collective bargaining	Quantitative/Qualitative	Micro, Meso, Macro
15	Textile and fashion industry	Social	Welfare	Health and Safety	Open channels for direct and indirect workers to register their complaints and problem-solving support	Quantitative/Qualitative	Micro, Meso
15	Textile and fashion industry	Social	Welfare	Health and Safety	Worker's health care	Quantitative	Micro, Meso
15	Textile and fashion industry	Social	Welfare	Health and Safety	Worker's mental health	Quantitative	Micro, Meso
15	Textile and fashion industry	Social	Welfare	Benefits and Compensation	Workers' benefits (e.g., transport, food, health, etc.)	Quantitative	Micro, Meso
15	Textile and fashion industry	Social	Welfare	Health and Safety	Working hour control measures	Quantitative	Micro, Meso
15	Textile and fashion industry	Social	Welfare	Health and Safety	Workplace safety control	Quantitative	Micro, Meso
15	Textile and fashion industry	Technological		Agricultural and Industrial Equipment	Total area equipped for irrigation	Quantitative	Micro, Meso
15	Textile and fashion industry	Technological		Agricultural and Industrial Equipment	Methods of reproduction of seed of the main crop in the producer farm	Quantitative	Micro, Meso
16	Circular economy model implementation	Economic	Costs and expences	Production and Operational Costs	Cumulative energy costs, Cumulative material costs, Process costs	Quantitative	Micro, Meso
16	Circular economy model implementation	Economic	Trade and Globalization	Trade	Trade in secondary raw materials (EU internal trade), Trade in secondary raw materials (exports/export to/from non-EU	Quantitative	Micro, Meso, Macro
16	Circular economy model implementation	Economic	Economic Development	GDP Indicators	Percentage of gross domestic product (GDP) at current prices	Quantitative	Macro
16	Circular economy model implementation	Economic	Economic Development	Private investment	Private investment, jobs and gross value	Quantitative	Micro, Meso, Macro
16	Circular economy model implementation	Economic	Economic Development	Growth and Value Added	Value added at factor value	Quantitative	Micro, Meso, Macro
16	Circular economy model implementation	Economic	Investment	Capital Investments	Gross investment in tangible goods	Quantitative	Micro, Meso, Macro
16	Circular economy model implementation	Economic	Financial performance metrics	Efficiency and Investment Metrics	Gross investment in tangible goods, Value of investment outlays. Time required for the recovery of investment outlays and obtaining implementation efficiency	Quantitative	Micro, Meso, Macro
16	Circular economy model implementation	Environmental	Waste	Generation	Municipal waste generation per capita	Quantitative	Macro

16	Circular economy model implementation	Environmental	Waste	Generation	Waste generation, excluding basic mineral waste for domestic consumption of the material	Quantitative	Macro
16	Circular economy model implementation	Environmental	Waste	Generation	Waste generation, excluding basic mineral waste per unit of GDP	Quantitative	Macro
16	Circular economy model implementation	Economic	Economic Development	Materials and Resource Efficiency Metrics	Maintaining the high worth of raw materials and wares, Marketing innovations, Improving product quality	Quantitative/Qualitative	Micro, Meso
16	Circular economy model implementation	Social	Job Creation and Supply Chain	Job Creation and Employment	Employed persons—percentage of total employment	Quantitative	Micro, Meso, Macro
16	Circular economy model implementation	Technological		Technological Advancement and Innovation Capacity	Innovation policies that encourage workforce-friendly technologies	Quantitative/Qualitative	Micro, Meso, Macro
16	Circular economy model implementation	Technological		Technological Advancement and Innovation Capacity	Degree of the novelty of technology and project when compared to BAT	Quantitative	Micro, Meso
17	Circularity challenges	Circularity	Circularity Metrics and Indices	Circularity and performance Indicators	Cross-functional circularity indicator	Quantitative/Qualitative	Micro, Meso, Macro
17	Circularity challenges	Circularity	Circular Business Models and Practices	Business Models and strategies	Product design / Circular services	Qualitative	Micro, Meso
17	Municipal waste management	Technological		Technological Advancement and Innovation Capacity	Incorporating digital techniques to optimize resource use and enhance supply chain connections	Quantitative/Qualitative	Micro, Meso
18	Municipal waste management	Circularity	Circularity Metrics and Indices	Recoverability Metrics	Combustion of materials with energy	Quantitative	Micro, Meso
18	Municipal waste management	Circularity	Circularity Metrics and Indices	Longevity and Durability Metrics	Extending of product life	Quantitative/Qualitative	Micro, Meso, Macro
18	Municipal waste management	Circularity	Circular Business Models and Practices	Business Models and strategies	Ecologically designed for repair, refurbishment, recycling, and remanufacturing, production,	Qualitative	Micro, Meso
18	Municipal waste management	Circularity	Circularity Metrics and Indices	Recyclability Metrics	Reducing energy consumption	Quantitative	Micro, Meso, Macro
18	Municipal waste management	Circularity	Circularity Metrics and Indices	Reducability Metrics	Reducing the release of waste and preventing the emission of pollution	Quantitative/Qualitative	Micro, Meso, Macro
18	Municipal waste management	Circularity	Circular Business Models and Practices	Policy and Regulatory Compliance	Incentivization of high-quality recycling. Use the life cycle of the material to characterize the sourced materials	Quantitative/Qualitative	Micro, Meso
18	Municipal waste management	Circularity	Circularity Metrics and Indices	Recyclability Metrics	In-process recycling of energy	Quantitative	Micro, Meso
18	Municipal waste management	Circularity	Circularity Metrics and Indices	Recyclability Metrics	In-process recycling of materials	Quantitative	Micro, Meso
18	Municipal waste management	Circularity	Circularity Metrics and Indices	Reducability Metrics	Reducing/shortening transport routes	Quantitative	Micro, Meso, Macro
18	Municipal waste management	Circularity	Circularity Metrics and Indices	Recyclability Metrics	Off-site recycling of energy	Quantitative	Micro, Meso
18	Municipal waste management	Circularity	Circularity Metrics and Indices	Recyclability Metrics	Off-site recycling of materials	Quantitative	Micro, Meso
18	Municipal waste management	Circularity	Circularity Metrics and Indices	Recyclability Metrics	On-site recycling of energy	Quantitative	Micro, Meso
18	Municipal waste management	Circularity	Circularity Metrics and Indices	Recyclability Metrics	On-site recycling of materials	Quantitative	Micro, Meso
18	Municipal waste management	Circularity	Circularity Metrics and Indices	Recyclability Metrics	Recycling and processing materials to achieve appropriate quality	Quantitative	Micro, Meso
18	Municipal waste management	Circularity	Circular Business Models and Practices	Policy and Regulatory Compliance	Consistency with programs within the national economy and of the EU	Quantitative/Qualitative	Micro, Meso, Macro
18	Municipal waste management	Circularity	Circularity Metrics and Indices	Recyclability Metrics	Reducing in consumption of materials	Quantitative	Micro, Meso
18	Municipal waste management	Circularity	Circularity Metrics and Indices	Reducability Metrics	Reducing the degree of toxicity of waste and formation of secondary waste	Quantitative/Qualitative	Micro, Meso
18	Municipal waste management	Circularity	Circularity Metrics and Indices	Recyclability Metrics	Reducing the quantity of operation and unitary processes	Quantitative	Micro, Meso

18	Municipal waste management	Circularity	Circular Business Models and Practices	Policy and Regulatory Compliance	Consistency with the objectives of sustainable development and cleaner Design for the future in order to adopt appropriate materials for the adequate prolongation of future consumption and lifetime	Quantitative/Qualitative	Micro, Meso, Macro
18	Municipal waste management	Circularity	Circular Business Models and Practices	Business Models and strategies		Qualitative	Micro, Meso, Macro
18	Municipal waste management	Circularity	Circular Business Models and Practices	Business Models and strategies	Functional circularity indicator	Qualitative	Micro, Meso, Macro
18	Municipal waste management	Circularity	Circularity Metrics and Indices	Reusability Metrics	Reuse (required change in approach to repair and renovation)	Quantitative/Qualitative	Micro, Meso
18	Municipal waste management	Circularity	Circular Business Models and Practices	Business Models and strategies	Rethinking the economic model	Qualitative	Micro, Meso, Macro
18	Municipal waste management	Circularity	Circular Business Models and Practices	Business Models and strategies	Take-back systems for remanufacturing	Qualitative	Micro, Meso
					Sustainability and preservation of what already exists by maintaining, repairing, and upgrading resources in use to maximize their lifetime using take-back	Qualitative	Micro, Meso, Macro
18	Municipal waste management	Circularity	Circularity Metrics and Indices	Reusability Metrics	Using waste as a raw material	Quantitative	Micro, Meso
18	Municipal waste management	Circularity	Circular Business Models and Practices	Business Models and strategies	Treating renovation and recycling as key economic activities	Qualitative	Micro, Meso, Macro
18	Municipal waste management	Circularity	Circularity Metrics and Indices	Circularity and performancd Indicators	Evaluation index system for evaluating the CE development	Quantitative/Qualitative	Micro, Meso
18	Municipal waste management	Environmental	Metrics and indices	Environmental Performance Metrics	Evaluating the quantity and quality of emissions	Quantitative/Qualitative	Micro, Meso, Macro
18	Municipal waste management	Environmental	Metrics and indices	Waste Management Metrics	Managing waste and by-products	Quantitative/Qualitative	Micro, Meso
18	Municipal waste management	Environmental	Metrics and indices	Environmental Performance Metrics	Measuring the effects of technical cycles using the RRR indicator	Quantitative/Qualitative	Micro, Meso
18	Municipal waste management	Environmental	Metrics and indices	Environmental Performance Metrics	Measuring the environmental effects of technical cycles (RRR)	Quantitative/Qualitative	Micro, Meso, Macro
18	Municipal waste management	Environmental	Metrics and indices	Environmental Performance Metrics	Prioritization of renewable resources	Quantitative/Qualitative	Micro, Meso, Macro
18	Municipal waste management	Economic	Costs and expences	Production and Operational Costs	Process costs	Quantitative	Micro, Meso
18	Municipal waste management	Economic	Market Dynamics	Demand Dynamics	Lowering resource demands and increasing resource security	Quantitative/Qualitative	Micro, Meso, Macro
18	Municipal waste management	economic	Financial Performance Metrics	Profitability Metrics	Measuring the profits of technical cycles in terms of social impacts, e.g., RRR	Quantitative/Qualitative	Micro, Meso
18	Municipal waste management	Economic	Market Dynamics	Market Innovation and Diversification	Marketing innovations	Qualitative	Micro, Meso
18	Municipal waste management	Economic	Financial performance metrics	Efficiency and Investment Metrics	Investment range and level	Quantitative	Micro, Meso
18	Municipal waste management	Economic	Financial performance metrics	Efficiency and Investment Metrics	Value of investment outlays, Time required for the recovery of investment outlays and obtaining implementation	Quantitative	Micro, Meso
18	Municipal waste management	Economic	Supply Chain	Logistics and Transportation	Optimum location	Qualitative	Micro, Meso
18	Municipal waste management	Economic	Supply Chain	Logistics and Transportation	Optimum location	Qualitative	Micro, Meso
18	Municipal waste management	Economic	Economic Development	Growth and Value Added	Eco-cost value ratio	Quantitative	Micro, Meso
18	Municipal waste management	Economic	Economic Development	Materials and Resource Efficiency Metrics	Increasing the stability of wares to keep them being produced and consumed for Solutions that produce the optimum	Quantitative/Qualitative	Micro, Meso
18	Municipal waste management	Environmental	Waste	Treatment and Management	collection of waste	Quantitative/Qualitative	Micro, Meso

18	Municipal waste management	Environmental	Waste	Efficiency	Waste reduction at the source	Quantitative/Qualitative	Micro, Meso
18	Municipal waste management	Environmental	Energy	Consumption	Use of renewable energy and/or bioenergy	Quantitative/Qualitative	Micro, Meso, Macro
18	Municipal waste management	Economic	Economic Development	Materials and Resource Efficiency Metrics	Repair and maintenance costs	Quantitative	Micro, Meso
18	Municipal waste management	Economic	Economic Development	Materials and Resource Efficiency Metrics	Substituting natural resources with waste Using a discarded product or its elements	Quantitative/Qualitative	Micro, Meso
18	Municipal waste management	Economic	Economic Development	Materials and Resource Efficiency Metrics	in a new product	Quantitative	Micro, Meso
18	Municipal waste management	Social	Welfare	Health and Safety	Decreasing hazard to human health	Quantitative/Qualitative	Micro, Meso, Macro
18	Municipal waste management	Social	Community and Society Empowerment	Community Relations	Influence of distribution of parts of society with different amounts of revenue	Quantitative/Qualitative	Micro, Meso, Macro
18	Municipal waste management	Social	Community and Society Empowerment	Social Participation and Empowerment	Improving relations with stakeholders and consumers	Quantitative/Qualitative	Micro, Meso
18	Municipal waste management	Social	Community and Society Empowerment	Social Participation and Empowerment	Changes in consumption standards Participating in new types of consumption	Quantitative/Qualitative	Micro, Meso, Macro
18	Municipal waste management	Social	Community and Society Empowerment	Other	(e.g., sharing, goods–services models, readiness to pay well for permanence)	Quantitative/Qualitative	Micro, Meso
18	Municipal waste management	Social	Community and Society Empowerment	Community Relations	Degree of adaptation to local conditions	Quantitative/Qualitative	Micro, Meso
18	Municipal waste management	Social	Community and Society Empowerment	Social Participation and Empowerment	Improving relations with the public Creating joint value by working together internally with other organizations and the public sector throughout the supply chain	Quantitative/Qualitative	Micro, Meso
18	Municipal waste management	Social	Community and Society Empowerment	Community Relations	to create transparency and shared value	Quantitative/Qualitative	Micro, Meso, Macro
18	Municipal waste management	Social	Job Creation and Supply Chain	Job Creation and Employment	Hiring of highly skilled employees	Quantitative	Micro, Meso
18	Municipal waste management	Social	Job Creation and Supply Chain	Job Creation and Employment	Job creation in regions with higher unemployment	Quantitative	Micro, Meso, Macro
18	Municipal waste management	Social	Job Creation and Supply Chain	Job Creation and Employment	Labor requirements	Quantitative	Micro, Meso
18	Municipal waste management	Social	Welfare	Health and Safety	Improving living conditions through achieving a better-quality ecosystem	Quantitative/Qualitative	Micro, Meso, Macro
18	Municipal waste management	Social	Welfare	Health and Safety	Positive impact of higher-quality products on human health	Quantitative/Qualitative	Micro, Meso
18	Municipal waste management	Technological		Eco-Innovation and Circular Economy	Measuring the effectiveness (burdens/profits) of technical cycles on the economic ground, e.g., RRR benefit	Qualitative	Micro, Meso, Macro
18	Municipal waste management	Technological		Organizational and Social Innovation	Organizational innovation	Quantitative/Qualitative	Micro, Meso, Macro
18	Municipal waste management	Technological		Technological Advancement and Innovation Capacity	Product innovations	Quantitative/Qualitative	Micro, Meso, Macro
18	Municipal waste management	Technological		Technological Advancement and Innovation Capacity	Risk of implementation and probability of success, degree of difficulty and time required for implementation	Quantitative/Qualitative	Micro, Meso
18	Municipal waste management	Technological		Eco-Innovation and Circular Economy	Eco-innovation	Quantitative/Qualitative	Micro, Meso, Macro
18	Municipal waste management	Technological		Technological Advancement and Innovation Capacity	Method for analysis of INDustrial energy systems (MIND)	Quantitative/Qualitative	Micro, Meso, Macro
18	Municipal waste management	Technological		Eco-Innovation and Circular Economy	Regional indicators of ecoinnovation	Quantitative/Qualitative	Micro, Meso
18	Municipal waste management	Technological		Organizational and Social Innovation	Social innovations	Quantitative/Qualitative	Micro, Meso, Macro
18	Municipal waste management	Legislation	Economic	Legal authorizations	Obtaining the legal authorizations	Qualitative	Micro, Meso
18	Municipal waste management	Legislation	Economic	Legal authorizations	Obtaining the legal authorizations	Qualitative	Micro, Meso



19	Biological systems	Circularity	Circularity Metrics and Indices	Recyclability Metrics	Recycling index	Quantitative	Micro, Meso, Macro
19	Biological systems	Circularity	Circularity Metrics and Indices	Recyclability Metrics	Recyclability benefit rate	Quantitative	Micro, Meso
19	Biological systems	Circularity	Circularity Metrics and Indices	Longevity and Durability Metrics	Longevity indicator	Quantitative	Micro, Meso, Macro
					Evaluation index system for evaluating the		
19	Biological systems	Circularity	Circularity Metrics and Indices	Circularity and performancd Indicators	CE development	Quantitative/Qualitative	Micro, Meso, Macro
19	Biological systems	Circularity	Circularity Metrics and Indices	Circularity and performancd Indicators	Global resource indicator	Quantitative/Qualitative	Macro
19	Biological systems	Circularity	Circularity Metrics and Indices	Circularity and performancd Indicators	Green growth indicators	Quantitative/Qualitative	Macro
19	Biological systems	Circularity	Circularity Metrics and Indices	Circularity and performancd Indicators	Product-level circularity metric	Quantitative	Micro, Meso, Macro
19	Biological systems	Circularity	Circularity Metrics and Indices	Circularity and performancd Indicators	Wastewater circonomics Index	Quantitative	Micro, Meso
					Quantitative assessment of economic		
19	Biological systems	Environmental	Metrics and indices	Environmental Performance Metrics	and environmental aspects	Quantitative	Micro, Meso, Macro
19	Biological systems	Economic	Economic Development	Growth and Value Added	Eco-cost value ratio	Quantitative	Micro, Meso
19	Biological systems	Economic	Economic Development	Materials and Resource Efficiency Metrics	Material flow analysis	Quantitative/Qualitative	Micro, Meso, Macro
19	Biological systems	Economic	Economic Development	Materials and Resource Efficiency Metrics	Resource productivity indicator	Quantitative/Qualitative	Micro, Meso, Macro
					Technological Advancement and		
19	Biological systems	Technological		Innovation Capacity	Technology	Quantitative/Qualitative	Micro, Meso, Macro
20	Eco-Design	Circularity	Circularity Metrics and Indices	Circularity and performancd Indicators	Acircularity	Quantitative/Qualitative	Micro, Meso, Macro
20	Eco-Design	Economic	Economic Development	Materials and Resource Efficiency Metrics	Resource Efficiency Account	Quantitative/Qualitative	Micro, Meso, Macro
					Indicator of reincorporation of waste and		
21	Waste and by-products of agro-industries	Circularity	Circularity Metrics and Indices	Recoverability Metrics	by-products	Quantitative	Micro, Meso
					Carbon footprint indicator of the		
21	Waste and by-products of agro-industries	Environmental	Environmental Impacts	Carbon Emissions	reincorporation of waste and by-products	Quantitative/Qualitative	Micro, Meso, Macro
23	Circular economy	Environmental	Metrics and indices	Environmental Performance Metrics	Energy-based Indices	Quantitative	Micro, Meso, Macro
23	Circular economy	Circularity	Circularity Metrics and Indices	Circularity and performancd Indicators	Circular Economy Index	Quantitative	Micro, Meso, Macro
23	Circular economy	Circularity	Circularity Metrics and Indices	Circularity and performancd Indicators	Circular Economy Indicator Prototype	Composite	Micro, Meso, Macro
23	Circular economy	Circularity	Circularity Metrics and Indices	Recyclability Metrics	Disassembly Effort Index	Composite	Micro, Meso
23	Circular economy	Circularity	Circularity Metrics and Indices	Sustainability Indices	Sustainability performance indicators	Quantitative/Qualitative	Micro, Meso, Macro
23	Circular economy	Circularity	Circularity Metrics and Indices	Recyclability Metrics	Ease of Disassembly Metric	Quantitative	Micro, Meso
					Eco-Connectance and Byproduct and		
23	Circular economy	Circularity	Circularity Metrics and Indices	Recyclability Metrics	Waste Recycling Rate	Quantitative	Micro, Meso
23	Circular economy	Circularity	Practices	Business Models and strategies	Circularity Design Guidelines	Qualitative	Micro, Meso
23	Circular economy	Circularity	Circularity Metrics and Indices	Recyclability Metrics	Effective Disassembly Time	Quantitative	Micro, Meso
23	Circular economy	Circularity	Circularity Metrics and Indices	Sustainability Indices	Sustainable Circular Index	Quantitative/Qualitative	Micro, Meso, Macro
23	Circular economy	Circularity	Circularity Metrics and Indices	Recoverability Metrics	End-of-use Product Value Recovery	Quantitative	Micro, Meso
23	Circular economy	Circularity	Circularity Metrics and Indices	Recyclability Metrics	Industrial Symbiosis Indicator	Quantitative/Qualitative	Micro, Meso
23	Circular economy	Circularity	Circularity Metrics and Indices	Reusability Metrics	Material Reutilization Score	Quantitative	Micro, Meso
23	Circular economy	Circularity	Circularity Metrics and Indices	Recyclability Metrics	Recyclability Benefit Rate	Quantitative	Micro, Meso
23	Circular economy	Circularity	Circularity Metrics and Indices	Recyclability Metrics	Recycling Desirability Index	Quantitative	Micro, Meso
23	Circular economy	Circularity	Circularity Metrics and Indices	Recyclability Metrics	Recycling indicator set	Quantitative	Micro, Meso
23	Circular economy	Circularity	Circularity Metrics and Indices	Reusability Metrics	REPRO	Quantitative/Qualitative	Micro, Meso
23	Circular economy	Circularity	Circularity Metrics and Indices	Reusability Metrics	Reuse Potential Indicator	Quantitative	Micro, Meso
23	Circular economy	Circularity	Circularity Metrics and Indices	Longevity and Durability Metrics	Longevity Indicator	Quantitative	Micro, Meso, Macro
23	Circular economy	Circularity	Circularity Metrics and Indices	Circularity and performancd Indicators	Circular Economy Performance Indicator	Quantitative/Qualitative	Micro, Meso, Macro
23	Circular economy	Circularity	Circularity Metrics and Indices	Recyclability Metrics	Recycling Index	Quantitative	Micro, Meso, Macro
23	Circular economy	Circularity	Circularity Metrics and Indices	Circularity and performancd Indicators	Circular Economy Toolkit	Quantitative/Qualitative	Micro, Meso
23	Circular economy	Circularity	Circularity Metrics and Indices	Circularity and performancd Indicators	Circularity Calculator	Quantitative	Micro, Meso
23	Circular economy	Circularity	Circularity Metrics and Indices	Circularity and performancd Indicators	Combination Matrix	Composite	Micro, Meso

23	Circular economy	Circularity	Circularity Metrics and Indices	Circularity and performance Indicators	Comprehensive evaluation index system	Quantitative/Qualitative	Micro, Meso, Macro
23	Circular economy	Circularity	Circularity Metrics and Indices	Circularity and performance Indicators	Comprehensive index of Circular Efficiency evaluation index system of circular economy development	Composite	Micro, Meso, Macro
23	Circular economy	Circularity	Circularity Metrics and Indices	Circularity and performance Indicators	End-of-Life Index	Quantitative/Qualitative	Micro, Meso, Macro
23	Circular economy	Circularity	Circularity Metrics and Indices	Circularity and performance Indicators	End-of-life Indices	Composite	Micro, Meso
23	Circular economy	Circularity	Circularity Metrics and Indices	Circularity and performance Indicators	Establishment of monitoring tools of material flows in a CE at the macro level	Composite	Micro, Meso
23	Circular economy	Circularity	Circularity Metrics and Indices	Circularity and performance Indicators	EU Resource Efficiency Scoreboard	Quantitative/Qualitative	Micro, Meso, Macro
23	Circular economy	Circularity	Circularity Metrics and Indices	Circularity and performance Indicators	Evaluation Index System	Quantitative	Macro
23	Circular economy	Circularity	Circularity Metrics and Indices	Circularity and performance Indicators	Functionality performance indicators	Quantitative/Qualitative	Micro, Meso, Macro
23	Circular economy	Circularity	Circularity Metrics and Indices	Circularity and performance Indicators	Green Growth Indicators	Quantitative/Qualitative	Micro, Meso
23	Circular economy	Circularity	Circularity Metrics and Indices	Circularity and performance Indicators	Index system for evaluating the circular economy development	Quantitative/Qualitative	Macro
23	Circular economy	Circularity	Circularity Metrics and Indices	Circularity and performance Indicators	MEP indicators system	Quantitative/Qualitative	Micro, Meso, Macro
23	Circular economy	Circularity	Circularity Metrics and Indices	Circularity and performance Indicators	Multi-scale integrated analysis of societal metabolism (MSIASM)	Quantitative/Qualitative	Meso, Macro
23	Circular economy	Circularity	Circularity Metrics and Indices	Circularity and performance Indicators	NDRC evaluation indicator system	Quantitative/Qualitative	Macro
23	Circular economy	Circularity	Circularity Metrics and Indices	Circularity and performance Indicators	Product-level Circularity Metric	Quantitative	Micro, Meso, Macro
23	Circular economy	Circularity	Circularity Metrics and Indices	Circularity and performance Indicators	Synthetic Economic Environmental	Quantitative/Qualitative	Macro
23	Circular economy	Circularity	Circular Business Models and Practices	Decision making tools	Best-Worst Method (BWM)	Quantitative/Qualitative	Micro, Meso, Macro
23	Circular economy	Circularity	Circular Business Models and Practices	Business Models and strategies	E monitoring framework	Analytic	Micro, Meso, Macro
23	Circular economy	Circularity	Circular Business Models and Practices	Decision making tools	Super-efficiency DEA model	Quantitative/Qualitative	Micro, Meso, Macro
23	Circular economy	Circularity	Circularity Metrics and Indices	Circularity and performance Indicators	The Chinese National CE Evaluation Indicator System	Analytic	Micro, Meso, Macro
23	Circular economy	Circularity	Circularity Metrics and Indices	Circularity and performance Indicators	The evaluation index system of circular economy development level	Quantitative/Qualitative	Macro
23	Circular economy	Circularity	Circularity Metrics and Indices	Circularity and performance Indicators	The Global Multiregional Waste-Input-Output Model	Quantitative/Qualitative	Macro
23	Circular economy	Circularity	Circularity Metrics and Indices	Circularity and performance Indicators	Value-based Resource Efficiency	Quantitative	Macro
23	Circular economy	Circularity	Circularity Metrics and Indices	Circularity and performance Indicators	Circularity Indicators based on the MFA approach	Quantitative	Micro, Meso, Macro
23	Circular economy	Economic	Economic Development	Materials and Resource Efficiency Metrics	Eco-Efficiency Indicator	Quantitative/Qualitative	Micro, Meso, Macro
23	Circular economy	Economic	Economic Development	Materials and Resource Efficiency Metrics	Eco-Efficiency Performance	Quantitative/Qualitative	Micro, Meso, Macro
23	Circular economy	Economic	Economic Development	Materials and Resource Efficiency Metrics	Quantitative Assessment of Economic and Environmental Aspects	Quantitative	Micro, Meso, Macro
23	Circular economy	Environmental	Metrics and indices	Environmental Performance Metrics	Global Resource Indicator	Quantitative/Qualitative	Macro
23	Circular economy	Environmental	Metrics and indices	Environmental Performance Metrics	Wastewater Circconomics Index	Quantitative/Qualitative	Meso, Macro
23	Circular economy	Economic	Economic Development	Growth and Value Added	Eco-cost Value Ratio	Quantitative	Micro, Meso
23	Circular economy	Economic	Economic Development	Materials and Resource Efficiency Metrics	Material Circularity Indicator	Quantitative	Micro, Meso, Macro
23	Circular economy	Economic	Economic Development	Materials and Resource Efficiency Metrics	Material Flow Analysis and Accounting (MFA) at macro level	Quantitative/Qualitative	Macro
23	Circular economy	Economic	Economic Development	Materials and Resource Efficiency Metrics	MFA of the Swiss waste management	Quantitative	Macro
23	Circular economy	Economic	Economic Development	Materials and Resource Efficiency Metrics	Raw Material Scoreboard	Quantitative	Macro
23	Circular economy	Economic	Economic Development	Materials and Resource Efficiency Metrics	Resource Productivity	Quantitative	Micro, Meso, Macro

23	Circular economy	Economic	Economic Development	Materials and Resource Efficiency Metrics	Resource Productivity Indicator (RP)	Quantitative	Micro, Meso, Macro
23	Circular economy	Technological		Patents and Intellectual Property	Number of patents related to recycling and secondary raw materials	Quantitative	Meso, Macro
23	Circular economy	Technological		Patents and Intellectual Property	Patents related to recycling and secondary raw materials	Quantitative	Meso, Macro
24	Circular economy	Economic	Economic Development	Sectoral and Regional Development	Tourism and recreation	Quantitative/Qualitative	Micro, Meso, Macro
24	Circular economy	Social	Welfare	Health and Safety	Consumer health and safety	Quantitative/Qualitative	Micro, Meso
24	Circular economy	Social	Welfare	Equity and Equality	Diversity and equal opportunity	Quantitative	Micro, Meso
24	Circular economy	Social	Welfare	Health and Safety	Effectiveness and comfort	Quantitative/Qualitative	Micro, Meso
24	Circular economy	Social	Societal Influence	Accessibility and Inclusion	Access to tangible resources	Quantitative	Micro, Meso
24	Circular economy	Social	Community and Society				
24	Circular economy	Social	Empowerment	Social Participation and Empowerment	Land rights	Quantitative/Qualitative	Micro, Meso, Macro
24	Circular economy	Social	Welfare	Benefits and Compensation	Fair and distribution of income	Quantitative/Qualitative	Micro, Meso, Macro
24	Circular economy	Social	Societal Influence	Accessibility and Inclusion	Social inclusion	Quantitative/Qualitative	Micro, Meso, Macro
24	Circular economy	Social	Community and Society				
24	Circular economy	Social	Empowerment	Other	NIMBY syndrome	Qualitative	Micro, Meso
24	Circular economy	Social	Community and Society				
24	Circular economy	Social	Empowerment	Social Participation and Empowerment	Sense of community and belonging	Quantitative/Qualitative	Micro, Meso, Macro
24	Circular economy	Social	Community and Society				
24	Circular economy	Social	Empowerment	Community Relations	Social networks	Quantitative/Qualitative	Micro, Meso
24	Circular economy	Social	Community and Society				
24	Circular economy	Social	Empowerment	Cultural Engagement	Cultural traditions	Qualitative	Micro, Meso
24	Circular economy	Social	Governance and Ethics	Corporate Responsibility	Assessment for impact on society	Quantitative/Qualitative	Micro, Meso, Macro
24	Circular economy	Social	Governance and Ethics	Corporate Governance	Fair trading relationships	Quantitative/Qualitative	Micro, Meso, Macro
24	Circular economy	Social	Governance and Ethics	Corporate Responsibility	Marketing communications	Quantitative/Qualitative	Micro, Meso
24	Circular economy	Social	Job Creation and Supply Chain	Product Quality and Information	Product and service labelling	Quantitative/Qualitative	Micro, Meso
24	Circular economy	Social	Community and Society				
24	Circular economy	Social	Empowerment	Social Participation and Empowerment	Sharing economy	Quantitative/Qualitative	Micro, Meso, Macro
24	Circular economy	Social	Governance and Ethics	Corporate Responsibility	Security practices	Quantitative/Qualitative	Micro, Meso
24	Circular economy	Social	Governance and Ethics	Corporate Responsibility	Consumer privacy	Quantitative/Qualitative	Micro, Meso
24	Circular economy	Social	Governance and Ethics	Human Rights	Human rights mechanisms	Quantitative/Qualitative	Micro, Meso, Macro
24	Circular economy	Social	Governance and Ethics	Corporate Responsibility	Corruption	Quantitative/Qualitative	Micro, Meso, Macro
24	Circular economy	Social	Governance and Ethics	Corporate Governance	Governance	Qualitative	Micro, Meso, Macro
24	Circular economy	Social	Governance and Ethics	Corporate Responsibility	Anti-competitive behaviour	Qualitative	Micro, Meso, Macro
24	Circular economy	Social	Community and Society				
24	Circular economy	Social	Empowerment	Social Participation and Empowerment	Participation and local democracy	Quantitative/Qualitative	Micro, Meso, Macro
24	Circular economy	Social	Societal Influence	Behavior and Communication	Odours	Quantitative/Qualitative	Micro, Meso
24	Circular economy	Social	Welfare	Equity and Equality	Food security	Quantitative/Qualitative	Micro, Meso, Macro
24	Circular economy	Social	Job Creation and Supply Chain	Job Creation and Employment	Employment	Quantitative	Micro, Meso, Macro
24	Circular economy	Social	Governance and Ethics	Human Rights	Child labour	Quantitative/Qualitative	Micro, Meso, Macro
24	Circular economy	Social	Governance and Ethics	Human Rights	Forced or compulsory labour	Quantitative/Qualitative	Micro, Meso, Macro
24	Circular economy	Social	Governance and Ethics	Human Rights	Labour relations	Quantitative/Qualitative	Micro, Meso, Macro
24	Circular economy	Social	Governance and Ethics	Corporate Responsibility	Compliance	Quantitative/Qualitative	Micro, Meso, Macro
24	Circular economy	Social	Governance and Ethics	Corporate Responsibility	Compliance supplier	Quantitative/Qualitative	Micro, Meso
24	Circular economy	Social			Freedom of association and collective bargaining		
24	Circular economy	Social	Welfare	Training and Development		Quantitative/Qualitative	Micro, Meso, Macro
24	Circular economy	Social	Welfare	Equity and Equality	Inclusiveness	Quantitative/Qualitative	Micro, Meso, Macro
24	Circular economy	Social	Welfare	Equity and Equality	Non-discrimination	Quantitative	Micro, Meso, Macro

24	Circular economy	Social	Welfare	Health and Safety	Occupational health and safety	Quantitative	Micro, Meso, Macro
24	Circular economy	Social	Welfare	Equity and Equality	Poverty	Quantitative/Qualitative	Micro, Meso, Macro
24	Circular economy	Social	Welfare	Health and Safety	Quality and well-being	Quantitative/Qualitative	Micro, Meso, Macro
24	Circular economy	Social	Welfare	Health and Safety	Sanitation	Quantitative	Micro, Meso, Macro
24	Circular economy	Social	Welfare	Training and Development	Training and education	Quantitative	Micro, Meso, Macro
24	Circular economy	Social	Welfare	Health and Safety	Work-life balance	Quantitative/Qualitative	Micro, Meso, Macro
24	Circular economy	Technological		Technological Advancement and Innovation Capacity	Independence from raw materials	Quantitative/Qualitative	Micro, Meso, Macro
25	Circularity Assessments	Circularity	Circularity Metrics and Indices	Circularity and performancd Indicators	Assessment of Circular Economy Strategies at the Product Level	Quantitative/Qualitative	Micro, Meso
25	Circularity Assessments	Circularity	Circularity Metrics and Indices	Circularity and performancd Indicators	BIM-based Whole-life Performance	Quantitative/Qualitative	Micro, Meso
25	Circularity Assessments	Circularity	Circularity Metrics and Indices	Circularity and performancd Indicators	Building Circularity Indicators	Quantitative	Micro, Meso
25	Circularity Assessments	Circularity	Circularity Metrics and Indices	Circularity and performancd Indicators	C2C Indicators	Quantitative	Micro, Meso
25	Circularity Assessments	Circularity	Circularity Metrics and Indices	Circularity and performancd Indicators	Circular Building Assessment Prototype	Composite	Micro, Meso
25	Circularity Assessments	Circularity	Circularity Metrics and Indices	Circularity and performancd Indicators	Circular Business Model Set of Indicators		
25	Circularity Assessments	Circularity	Circularity Metrics and Indices	Circularity and performancd Indicators	based on Sustainability	Quantitative/Qualitative	Micro, Meso, Macro
25	Circularity Assessments	Circularity	Circularity Metrics and Indices	Circularity and performancd Indicators	Circular Economy Benefit Indicators	Quantitative/Qualitative	Micro, Meso, Macro
25	Circularity Assessments	Circularity	Circularity Metrics and Indices	Circularity and performancd Indicators	Circular Economy Index	Quantitative	Micro, Meso, Macro
25	Circularity Assessments	Circularity	Circularity Metrics and Indices	Circularity and performancd Indicators	Circular Economy Indicator Prototype	Composite	Micro, Meso, Macro
25	Circularity Assessments	Circularity	Circularity Metrics and Indices	Circularity and performancd Indicators	Circular Economy Measurement Scale	Quantitative/Qualitative	Micro, Meso, Macro
25	Circularity Assessments	Circularity	Circularity Metrics and Indices	Circularity and performancd Indicators	Circular Economy Performance Indicator	Quantitative/Qualitative	Micro, Meso, Macro
25	Circularity Assessments	Circularity	Circularity Metrics and Indices	Circularity and performancd Indicators	Circular Economy Toolkit	Quantitative/Qualitative	Micro, Meso
25	Circularity Assessments	Circularity	Circularity Metrics and Indices	Circularity and performancd Indicators	Circular Gap	Quantitative/Qualitative	Micro, Meso, Macro
25	Circularity Assessments	Circularity	Circularity Metrics and Indices	Sustainability Indices	Economic-environmental Indicators	Quantitative/Qualitative	Micro, Meso, Macro
25	Circularity Assessments	Circularity	Circularity Metrics and Indices	Recyclability Metrics	Ease of Disassembly Metric	Quantitative	Micro, Meso
25	Circularity Assessments	Circularity	Circularity Metrics and Indices	Reusability Metrics	Economic-Environmental	Quantitative/Qualitative	Micro, Meso
25	Circularity Assessments	Circularity	Circularity Metrics and Indices	Circularity and performancd Indicators	Circularity Assessment Model	Quantitative/Qualitative	Micro, Meso, Macro
25	Circularity Assessments	Circularity	Circularity Metrics and Indices	Circularity and performancd Indicators	Circularity Calculator	Quantitative	Micro, Meso
25	Circularity Assessments	Circularity	Circularity Metrics and Indices	Sustainability Indices	Set of Indicators to Assess Sustainability	Quantitative/Qualitative	Micro, Meso, Macro
25	Circularity Assessments	Circularity	Circularity Metrics and Indices	Sustainability Indices	Sustainability Performance Indicators	Quantitative/Qualitative	Micro, Meso, Macro
25	Circularity Assessments	Circularity	Circularity Metrics and Indices	Sustainability Indices	Sustainable Circular Index	Quantitative/Qualitative	Micro, Meso, Macro
25	Circularity Assessments	Circularity	Circularity Metrics and Indices	Recyclability Metrics	Product Recycling Desirability Index	Quantitative	Micro, Meso
25	Circularity Assessments	Circularity	Circularity Metrics and Indices	Longevity and Durability Metrics	Longevity and Circularity	Quantitative/Qualitative	Micro, Meso, Macro
25	Circularity Assessments	Circularity	Circularity Metrics and Indices	Longevity and Durability Metrics	Resource Duration Indicator	Quantitative	Micro, Meso
25	Circularity Assessments	Circularity	Circular Business Models and Practices	Business Models and strategies	Expended Zero Waste Practice Model	Quantitative/Qualitative	Micro, Meso
25	Circularity Assessments	Circularity	Circularity Metrics and Indices	Reusability Metrics	Reuse Potential Indicator	Quantitative	Micro, Meso
25	Circularity Assessments	Circularity	Circularity Metrics and Indices	Recyclability Metrics	Recycling Indices	Quantitative	Micro, Meso, Macro
25	Circularity Assessments	Circularity	Circularity Metrics and Indices	Circularity and performancd Indicators	Circularity Check	Quantitative/Qualitative	Micro, Meso
25	Circularity Assessments	Circularity	Circularity Metrics and Indices	Circularity and performancd Indicators	Circularity Index	Quantitative/Qualitative	Micro, Meso, Macro
25	Circularity Assessments	Circularity	Circular Business Models and Practices	Decision making tools	Multi-Criteria Evaluation Method of Product-Level Circularity Strategies	Analytic	Micro, Meso
25	Circularity Assessments	Circularity	Circularity Metrics and Indices	Circularity and performancd Indicators	Circularity Measurement Toolkit	Quantitative/Qualitative	Micro, Meso, Macro
25	Circularity Assessments	Circularity	Circular Business Models and Practices	Business Models and strategies	Product Circularity Improvement Program	Quantitative/Qualitative	Micro, Meso
25	Circularity Assessments	Circularity	Circular Business Models and Practices	Decision making tools	Product Recovery Multi-Criteria Decision Tool	Analytic	Micro, Meso
25	Circularity Assessments	Circularity	Circularity Metrics and Indices	Circularity and performancd Indicators	Circularity Transition Indicators	Quantitative/Qualitative	Micro, Meso, Macro

25	Circularity Assessments	Circularity	Circularity Metrics and Indices	Circularity and performance Indicators	Circulytics	Quantitative/Qualitative	Micro, Meso, Macro
25	Circularity Assessments	Circularity	Circularity Metrics and Indices	Circularity and performance Indicators	Closed Loop Calculator	Quantitative/Qualitative	Micro, Meso
25	Circularity Assessments	Circularity	Circularity Metrics and Indices	Circularity and performance Indicators	End of Life Best Practice Indicators	Quantitative/Qualitative	Micro, Meso
25	Circularity Assessments	Circularity	Circularity Metrics and Indices	Circularity and performance Indicators	End-of-Life Index	Composite	Micro, Meso
25	Circularity Assessments	Circularity	Circularity Metrics and Indices	Circularity and performance Indicators	End-of-Life indices	Composite	Micro, Meso
25	Circularity Assessments	Circularity	Circularity Metrics and Indices	Circularity and performance Indicators	Environmental Sustainability of Food	Quantitative/Qualitative	Micro, Meso
					Packaging indicators		
					Evaluation Index System of CE for PCFs		
25	Circularity Assessments	Circularity	Circularity Metrics and Indices	Circularity and performance Indicators	(Product Carbon Footprints)	Quantitative/Qualitative	Micro, Meso, Macro
25	Circularity Assessments	Circularity	Circularity Metrics and Indices	Circularity and performance Indicators	Multidimensional Indicator Set	Quantitative/Qualitative	Micro, Meso, Macro
25	Circularity Assessments	Circularity	Circular Business Models and Practices	Business Models and strategies	Circular Pathfinder	Quantitative/Qualitative	Micro, Meso, Macro
					Product-Level Circularity Metric	Quantitative	Micro, Meso, Macro
					Systems Indicators for Circular Economy	Quantitative/Qualitative	Micro, Meso, Macro
25	Circularity Assessments	Circularity	Circularity Metrics and Indices	Circularity and performance Indicators	Dashboard		
25	Circularity Assessments	Environmental	Metrics and indices	Environmental Performance Metrics	Improved Water Circularity Index	Quantitative	Micro, Meso, Macro
25	Circularity Assessments	Economic	Economic Development	Materials and Resource Efficiency Metrics	Circularity of Material Quality	Quantitative	Micro, Meso
25	Circularity Assessments	Environmental	Waste	Generation	Food waste	Quantitative	Macro
25	Circularity Assessments	Economic	Economic Development	Materials and Resource Efficiency Metrics	Material and Energy Circularity Indicators	Quantitative	Micro, Meso, Macro
25	Circularity Assessments	Economic	Economic Development	Materials and Resource Efficiency Metrics	Material Circularity Indicator	Quantitative	Micro, Meso, Macro
25	Circularity Assessments	Economic	Financial performance metrics	Efficiency and Investment Metrics	Input-Output Balance Sheet	Quantitative	Micro, Meso, Macro
25	Circularity Assessments	Economic	Economic Development	Growth and Value Added	Circular Economic Value	Quantitative	Micro, Meso, Macro
25	Circularity Assessments	Economic	Economic Development	Materials and Resource Efficiency Metrics	Material Efficiency in Supply Chains	Quantitative	Micro, Meso
					Spreadsheets		
					Material Input Per Service Delivered		
					Mining site MFA Indicator		
					Resource Efficiency Assessment of		
25	Circularity Assessments	Technological	Circularity Metrics and Indices	Organizational and Social Innovation	PRP Circular e-Procurement Tool	Quantitative/Qualitative	Micro, Meso
26	Circular economy performance	Circularity		Reusability Metrics	Circular material use rate	Quantitative	Micro, Meso, Macro
26	Circular economy performance	Circularity		Recyclability Metrics	End-of-life recycling input rates	Quantitative	Micro, Meso, Macro
26	Circular economy performance	Circularity		Recyclability Metrics	Percentage of circular material use rate	Quantitative	Micro, Meso, Macro
26	Circular economy performance	Circularity		Recyclability Metrics	Percentage of recycling rate of all waste	Quantitative	Micro, Meso, Macro
26	Circular economy performance	Circularity	Circularity Metrics and Indices	Recyclability Metrics	Percentage of recycling rate of paper and	Quantitative	Micro, Meso, Macro
					paperboard		
					Recovery rate of construction and		
26	Circular economy performance	Circularity	Circularity Metrics and Indices	Recoverability Metrics	demolition waste	Quantitative	Micro, Meso, Macro
26	Circular economy performance	Circularity	Circularity Metrics and Indices	Recyclability Metrics	Recycling of bio-waste per capita	Quantitative	Micro, Meso
26	Circular economy performance	Circularity	Circularity Metrics and Indices	Recyclability Metrics	Recycling rate of all waste excluding	Quantitative	Micro, Meso, Macro
					major mineral waste		
					Recycling rate of electrical and electronic		
26	Circular economy performance	Circularity	Circularity Metrics and Indices	Recyclability Metrics	waste (e-waste)	Quantitative	Micro, Meso, Macro
26	Circular economy performance	Circularity	Circularity Metrics and Indices	Recyclability Metrics	Recycling rate of municipal waste	Quantitative	Micro, Meso, Macro
26	Circular economy performance	Circularity	Circularity Metrics and Indices	Recyclability Metrics	Recycling rate of overall packaging waste	Quantitative	Micro, Meso, Macro
26	Circular economy performance	Circularity	Circularity Metrics and Indices	Recyclability Metrics	Recycling rate of plastic packaging waste	Quantitative	Micro, Meso, Macro
26	Circular economy performance	Circularity	Circularity Metrics and Indices	Recyclability Metrics	Recycling rate of wooden packaging	Quantitative	Micro, Meso
26	Circular economy performance	Environmental	Waste	Generation	Generation of municipal waste per capita	Quantitative	Macro

26	Circular economy performance	Environmental	Waste	Generation	Generation of waste excluding major mineral waste per domestic material	Quantitative	Macro
26	Circular economy performance	Environmental	Waste	Generation	Generation of waste excluding major mineral waste per GDP unit	Quantitative	Macro
26	Circular economy performance	Environmental	Waste	Generation	Generation of waste per revenue	Quantitative	Micro, Meso
26	Circular economy performance	Environmental	Waste	Generation	Percentage of generation of waste per material consumption	Quantitative	Micro, Meso
26	Circular economy performance	Environmental	Waste	Generation	Percentage of generation of waste per material consumption	Quantitative	Micro, Meso, Macro
26	Circular economy performance	Environmental	Water	Consumption	Water consumption productivity	Quantitative	Micro, Meso, Macro
26	Circular economy performance	Environmental	Energy	Consumption	Percentage of green energy consumption	Quantitative	Micro, Meso, Macro
26	Circular economy performance	Environmental	Energy	Efficiency and productivity	Energy productivity	Quantitative	Micro, Meso, Macro
26	Circular economy performance	Economic	Trade and Globalization	Self-sufficiency	EU self-sufficiency for raw materials	Quantitative	Macro
26	Circular economy performance	Economic	Trade and Globalization	Self-sufficiency	Self-sufficiency for raw materials	Quantitative	Macro
26	Circular economy performance	Economic	Trade and Globalization	Trade	Trade in recyclable raw materials	Quantitative	Macro
26	Circular economy performance	Economic	Economic Development	Growth and Value Added	Value added at factor cost	Quantitative	Micro, Meso, Macro
26	Circular economy performance	Economic	Financial performance metrics	Efficiency and Investment Metrics	Gross investment in tangible goods	Quantitative	Micro, Meso, Macro
26	Circular economy performance	Economic	Economic Development	Private investment	Percentage of CE investment	Quantitative	Micro, Meso, Macro
26	Circular economy performance	Economic	Economic Development	Private investment	Percentage of CE jobs	Quantitative	Micro, Meso, Macro
26	Circular economy performance	Economic	Supply Chain	Production Efficiency and Quality	Percentage of CE procurement	Quantitative	Micro, Meso, Macro
26	Circular economy performance	social	Job Creation and Supply Chain	Job Creation and Employment	Number of persons employed	Quantitative	Micro, Meso, Macro
26	Circular economy performance	Technological		Patents and Intellectual Property	Number of patents related to recycling and secondary raw materials as a representation for innovation	Quantitative	Micro, Meso, Macro
26	Circular economy performance	Technological		Patents and Intellectual Property	Percentage of CE patents	Quantitative	Micro, Meso, Macro
27	Agricultural Sector	Environmental	Metrics and indices	Environmental Performance Metrics	Energy accounting method	Quantitative/Qualitative	Micro, Meso, Macro
27	Agricultural Sector	Environmental	Metrics and indices	Environmental Performance Metrics	Energy indices	Quantitative/Qualitative	Micro, Meso, Macro
27	Agricultural Sector	Circularity	Circularity Metrics and Indices	Circularity and performancd Indicators	Circular carbon element within the	Quantitative/Qualitative	Micro, Meso
27	Agricultural Sector	Circularity	Circularity Metrics and Indices	Recyclability Metrics	Nitrogen recycling index	Quantitative	Micro, Meso
27	Agricultural Sector	Circularity	Circularity Metrics and Indices	Circularity and performancd Indicators	Circularity indicator of components	Quantitative/Qualitative	Micro, Meso
27	Agricultural Sector	Circularity	Circularity Metrics and Indices	Circularity and performancd Indicators	City circularity	Quantitative/Qualitative	Micro, Meso, Macro
27	Agricultural Sector	Circularity	Circularity Metrics and Indices	Circularity and performancd Indicators	Food circularity	Quantitative/Qualitative	Micro, Meso
27	Agricultural Sector	Circularity	Circularity Metrics and Indices	Circularity and performancd Indicators	Indicator of circular economic efficiency for bio-fertilizers	Quantitative	Micro, Meso
27	Agricultural Sector	Circularity	Circularity Metrics and Indices	Circularity and performancd Indicators	Weak circularity	Quantitative/Qualitative	Micro, Meso
27	Agricultural Sector	Environmental	Metrics and indices	Environmental Performance Metrics	Performance indicator for circular	Quantitative/Qualitative	Micro, Meso, Macro
27	Agricultural Sector	Economic	Economic Development	Materials and Resource Efficiency Metrics	Efficiency of agricultural food circular	Quantitative/Qualitative	Micro, Meso, Macro
27	Agricultural Sector	Economic	Economic Development	Materials and Resource Efficiency Metrics	Food and feed autonomy	Quantitative/Qualitative	Micro, Meso
27	Agricultural Sector	Environmental	Metrics and indices	Waste Management Metrics	Waste output index	Quantitative/Qualitative	Micro, Meso
27	Agricultural Sector	Environmental	Environmental Impacts	Carbon Emissions	Avoiding carbon emissions in bioenergy systems	Quantitative/Qualitative	Micro, Meso, Macro
27	Agricultural Sector	Environmental	Environmental Impacts	Carbon Emissions	Carbon balance	Quantitative/Qualitative	Micro, Meso, Macro
27	Agricultural Sector	Environmental	Environmental Impacts	Global Warming and other Emissions	Overall greenhouse gas balance	Quantitative	Micro, Meso, Macro
27	Agricultural Sector	Environmental	Environmental Impacts	Biodiversity	Biological diversity in the landscape	Quantitative/Qualitative	Micro, Meso, Macro
27	Agricultural Sector	Environmental	Environmental Impacts	Land Use	Land use and land-use change related to bioenergy feedstock production	Quantitative/Qualitative	Micro, Meso, Macro
27	Agricultural Sector	Environmental	Agriculture	Fertilizer	Consumption of fossil-P fertilizers	Quantitative	Micro, Meso, Macro
27	Agricultural Sector	Environmental	Agriculture	Products and by-products	Crop to livestock ratio	Quantitative	Micro, Meso

27	Agricultural Sector	Environmental	Environmental Impacts	Soil Quality	Effective cation-exchange capacity	Quantitative	Micro, Meso
27	Agricultural Sector	Environmental	Agriculture	Fertilizer	Nitrogen balance	Quantitative	Meso, Macro
27	Agricultural Sector	Environmental	Agriculture	Fertilizer	Nitrogen use efficiency	Quantitative	Micro, Meso
27	Agricultural Sector	Environmental	Agriculture	Fertilizer	Partial nitrogen balance	Quantitative	Macro
27	Agricultural Sector	Environmental	Environmental Impacts	Soil Quality	Soil quality	Quantitative/Qualitative	Micro, Meso
27	Agricultural Sector	Environmental	Environmental Impacts	Biodiversity	Species richness	Quantitative/Qualitative	Micro, Meso, Macro
27	Agricultural Sector	Environmental	Water	Quality and Treatment	Emissions to water bodies	Quantitative	Micro, Meso, Macro
27	Agricultural Sector	Environmental	Water	Quality and Treatment	Water quality	Quantitative/Qualitative	Micro, Meso, Macro
27	Agricultural Sector	Environmental	Energy	Production	Renewable energy production	Quantitative	Micro, Meso, Macro
27	Agricultural Sector	Economic	Financial performance metrics	Profitability Metrics	Net farm income	Quantitative	Micro, Meso
27	Agricultural Sector	Economic	Trade and Globalization	Self-sufficiency	Self-sufficiency index	Quantitative	Macro
27	Agricultural Sector	Economic	Trade and Globalization	Import	Import dependency	Quantitative	Macro
27	Agricultural Sector	Economic	Trade and Globalization	Export	Resource export index	Quantitative	Macro
27	Agricultural Sector	Economic	Supply Chain	Logistics and Transportation	Logistics	Quantitative/Qualitative	Micro, Meso
27	Agricultural Sector	Economic	Financial performance metrics	Profitability Metrics	Internal rate of return	Quantitative	Micro, Meso
27	Agricultural Sector	Economic	Financial performance metrics	Profitability Metrics	Net present value	Quantitative	Micro, Meso
27	Agricultural Sector	Economic	Financial performance metrics	Payback and Recovery Metrics	Pay-out time	Quantitative	Micro, Meso
27	Agricultural Sector	Economic	Financial performance metrics	Efficiency and Investment Metrics	Return on investments	Quantitative	Micro, Meso
27	Agricultural Sector	Economic	Economic Development	Growth and Value Added	Value-based indicator	Quantitative	Micro, Meso, Macro
27	Agricultural Sector	Social	Community and Society	Social Participation and Empowerment	The allocation and tenure of land for new	Quantitative/Qualitative	Micro, Meso, Macro
			Empowerment		bioenergy production		
27	Agricultural Sector	Social	Empowerment	Social Participation and Empowerment	Change in the unpaid time women and	Quantitative	Micro, Meso
32	Circular economy development	Circularity	Circularity Metrics and Indices	Reusability Metrics	children spend collecting biomass		
32	Circular economy development	Circularity	Circularity Metrics and Indices	Recoverability Metrics	Circular material use rate	Quantitative	Micro, Meso, Macro
					Recovery rate of construction and	Quantitative	Micro, Meso, Macro
32	Circular economy development	Circularity	Circularity Metrics and Indices	Recoverability Metrics	demolition waste	Quantitative	Micro, Meso, Macro
32	Circular economy development	Circularity	Circularity Metrics and Indices	Recyclability Metrics	Recycling of bio-waste	Quantitative	Micro, Meso
32	Circular economy development	Circularity	Circularity Metrics and Indices	Recyclability Metrics	Recycling rate of all waste excluding	Quantitative	Micro, Meso, Macro
					major mineral waste		
					Recycling rate of e-waste		
32	Circular economy development	Circularity	Circularity Metrics and Indices	Recyclability Metrics	Recycling rate of municipal waste	Quantitative	Micro, Meso, Macro
32	Circular economy development	Circularity	Circularity Metrics and Indices	Recyclability Metrics	Recycling rate of packaging waste by type	Quantitative	Micro, Meso, Macro
32	Circular economy development	Environmental	Waste	Generation	of packaging		
32	Circular economy development	Economic	Trade and Globalization	Trade	Generation of municipal waste per capita	Quantitative	Macro
32	Circular economy development	Economic	Economic Development	Private investment	Trade in recyclable raw materials	Quantitative	Macro
					Private investments, jobs and gross value		
32	Circular economy development	Technological		Operational Efficiency and Resource	added related to circular economy	Quantitative	Micro, Meso, Macro
					Management		
32	Circular economy development	Technological			Total duration of the production cycle	Quantitative	Micro, Meso, Macro
34	Circular economy monitoring indicator at EU						
34	level	Circularity	Circularity Metrics and Indices	Recyclability Metrics	Recycling rate	Quantitative	Micro, Meso, Macro
34	Circular economy monitoring indicator at EU						
34	level	Circularity	Circularity Metrics and Indices	Recyclability Metrics	Recycling/Recovery for specific waste	Quantitative	Micro, Meso
34	level	Circularity	Circularity Metrics and Indices	Recyclability Metrics	streams directly		
34	Circular economy monitoring indicator at EU						
34	level	Circularity	Circularity Metrics and Indices	Recyclability Metrics	The contribution of recycled materials to	Quantitative	Macro
34	Circular economy monitoring indicator at EU				meeting the demand for raw material		
34	level	Environmental	Waste	Generation	Food Waste	Quantitative	Macro

34	Circular economy monitoring indicator at EU level	Environmental	Waste	Generation	Waste generation	Quantitative	Micro, Meso, Macro
34	Circular economy monitoring indicator at EU level	Economic	Trade and Globalization	Trade	Trade in recyclable primary materials	Quantitative	Macro
34	Circular economy monitoring indicator at EU level	Economic	Costs and expences	Public and Governmental Costs	Public green acquisitions	Quantitative	Micro, Meso
34	Circular economy monitoring indicator at EU level	Economic	Economic Development	Private investment	Private investment, jobs and gross value added with reference to the circular	Quantitative	Micro, Meso, Macro
34	Circular economy monitoring indicator at EU level	Technological		Operational Efficiency and Resource Management	Variability of down time between production cycles	Quantitative/Qualitative	Micro, Meso, Macro
34	Circular economy monitoring indicator at EU level	Technological		Operational Efficiency and Resource Management	Infrastructure	Quantitative	Micro, Meso, Macro
35	Circular economy	Circularity	Circularity Metrics and Indices	Longevity and Durability Metrics	Average industries' product lifetime	Quantitative	Micro, Meso
35	Circular economy	Circularity	Circularity Metrics and Indices	Recyclability Metrics	Efficiency of recycling at product end-of-	Quantitative	Micro, Meso
35	Circular economy	Circularity	Circularity Metrics and Indices	Recyclability Metrics	Efficiency of recycling to produce recycled content	Quantitative	Micro, Meso
35	Circular economy	Circularity	Circularity Metrics and Indices	Recyclability Metrics	Fraction of feedstock from recyclable resources	Quantitative	Micro, Meso
35	Circular economy	Circularity	Circularity Metrics and Indices	Reusability Metrics	Fraction of feedstock from reused	Quantitative	Micro, Meso
35	Circular economy	Circularity	Circularity Metrics and Indices	Recyclability Metrics	Fraction of product collected for recycling	Quantitative	Micro, Meso
35	Circular economy	Circularity	Circularity Metrics and Indices	Reusability Metrics	Fraction of product going for component	Quantitative	Micro, Meso
35	Circular economy	Circularity	Circularity Metrics and Indices	Longevity and Durability Metrics	Product's lifetime	Quantitative	Micro, Meso
35	Circular economy	Circularity	Circularity Metrics and Indices	Longevity and Durability Metrics	Average industries' product intensity of	Quantitative	Micro, Meso
35	Circular economy	Circularity	Circularity Metrics and Indices	Longevity and Durability Metrics	Mass of product, Product's intensity of use, Product Index	Quantitative	Micro, Meso
35	Circular economy	Economic	Financial performance metrics	Profitability Metrics	Revenues/Savings due to Minimization of Negative Externalities, Revenues/Savings from Circularity Measures,	Quantitative	Micro, Meso, Macro
38	Circular economy	Circularity	Circularity Metrics and Indices	Circularity and performancd Indicators	Revenues/Savings from Natural Capital	Quantitative/Qualitative	Micro, Meso, Macro
38	Circular economy	Circularity	Circularity Metrics and Indices	Circularity and performancd Indicators	Circle Assessment	Quantitative/Qualitative	Micro, Meso, Macro
38	Circular economy	Circularity	Circularity Metrics and Indices	Circularity and performancd Indicators	Circular Economy Toolkit	Quantitative/Qualitative	Micro, Meso, Macro
38	Circular economy	Circularity	Circularity Metrics and Indices	Circularity and performancd Indicators	Circular Transition Indicators	Quantitative/Qualitative	Micro, Meso, Macro
38	Circular economy	Circularity	Circularity Metrics and Indices	Circularity and performancd Indicators	Circularity Check	Quantitative/Qualitative	Micro, Meso, Macro
38	Circular economy	Circularity	Circularity Metrics and Indices	Reusability Metrics	Material Reutilization Score	Quantitative	Micro, Meso
38	Circular economy	Circularity	Circular Business Models and Practices	Business Models and strategies	Benchmark Circular Business Practices	Qualitative	Micro, Meso, Macro
38	Circular economy	Circularity	Circular Business Models and Practices	Policy and Regulatory Compliance	BS 8001:2017	Quantitative/Qualitative	Micro, Meso, Macro
38	Circular economy	Circularity	Circularity Metrics and Indices	Circularity and performancd Indicators	Circulytics	Quantitative/Qualitative	Micro, Meso, Macro
38	Circular economy	Circularity	Circularity Metrics and Indices	Circularity and performancd Indicators	ResCom Circularity Calculator	Quantitative	Micro, Meso
38	Circular economy	Circularity	Circular Business Models and Practices	Policy and Regulatory Compliance	UL3600	Quantitative/Qualitative	Micro, Meso, Macro
38	Circular economy	Economic	Economic Development	Materials and Resource Efficiency Metrics	Material Circularity Indicator	Quantitative	Micro, Meso, Macro
39	Circular economy	Circularity	Circularity Metrics and Indices	Circularity and performancd Indicators	Circular Flow	Quantitative/Qualitative	Micro, Meso, Macro
39	Circular economy	Circularity	Circularity Metrics and Indices	Circularity and performancd Indicators	Circular Index	Quantitative/Qualitative	Micro, Meso, Macro
39	Circular economy	Circularity	Circularity Metrics and Indices	Circularity and performancd Indicators	Circular Use	Quantitative/Qualitative	Micro, Meso, Macro
39	Circular economy	Environmental	Metrics and indices	Environmental Performance Metrics	Hydrological Performance	Quantitative/Qualitative	Micro, Meso, Macro



39	Circular economy	Circularity	Circular Business Models and Practices	Policy and Regulatory Compliance	Smart Specialization Strategies	Quantitative/Qualitative	Micro, Meso, Macro
39	Circular economy	Circularity	Circularity Metrics and Indices	Circularity and performancd Indicators	Maximum Achievable Circularity	Quantitative/Qualitative	Micro, Meso, Macro
39	Circular economy	Environmental	Metrics and indices	Environmental Performance Metrics	Regenerative Capacity	Quantitative/Qualitative	Micro, Meso, Macro
39	Circular economy	Environmental	Metrics and indices	Waste Management Metrics	Waste Index	Quantitative/Qualitative	Micro, Meso
39	Circular economy	Environmental	Metrics and indices	Environmental Performance Metrics	Water Stress	Quantitative	Micro, Meso, Macro
39	Circular economy	Environmental	Waste	Efficiency	Total Waste Reduction	Quantitative	Micro, Meso, Macro
39	Circular economy	Environmental	Environmental Impacts	Carbon Emissions	C balance	Quantitative/Qualitative	Micro, Meso, Macro
39	Circular economy	Environmental	Environmental Impacts	Land Use	Gain/Loss of (Semi-) Natural Areas	Quantitative/Qualitative	Micro, Meso, Macro
39	Circular economy	Environmental	Environmental Impacts	Biodiversity	Index of Biodiversity	Quantitative/Qualitative	Micro, Meso, Macro
39	Circular economy	Environmental	Agriculture	Fertilizer	Gross P & N balance	Quantitative	Macro
39	Circular economy	Environmental	Environmental Impacts	Soil Quality	Soil Condition Improvement	Quantitative/Qualitative	Micro, Meso
39	Circular economy	Environmental	Environmental Impacts	Global Warming and other Emissions	Total Emissions Reduction	Quantitative	Micro, Meso, Macro
39	Circular economy	Environmental	Water	Management and stress	Qualitative Water Withdrawal Reduction	Qualitative	Micro, Meso, Macro
39	Circular economy	Economic	Financial performance metrics	Efficiency and Investment Metrics	Public finance benefit	Quantitative	Micro, Meso, Macro
39	Circular economy	Economic	Economic Development	Sectoral and Regional Development	Economic spillovers	Quantitative/Qualitative	Micro, Meso, Macro
39	Circular economy	Economic	Financial Performance Metrics	Profitability Metrics	Financial self-sustainability	Quantitative	Micro, Meso
41	Cultural heritage circular economy	Circularity	Circularity Metrics and Indices	Circularity and performancd Indicators	Circular metabolism	Quantitative/Qualitative	Micro, Meso, Macro
41	Cultural heritage circular economy	Circularity	Circularity Metrics and Indices	Recoverability Metrics	Soil recovery	Quantitative/Qualitative	Micro, Meso
41	Cultural heritage circular economy	Circularity	Circular Business Models and Practices	Business Models and strategies	Local circular economy	Quantitative/Qualitative	Micro, Meso, Macro
41	Cultural heritage circular economy	Circularity	Circular Business Models and Practices	Policy and Regulatory Compliance	Smart Specialisation Strategies	Quantitative/Qualitative	Micro, Meso, Macro
41	Cultural heritage circular economy	Circularity	Circular Business Models and Practices	Business Models and strategies	Nature-Based Solutions	Qualitative	Micro, Meso, Macro
41	Cultural heritage circular economy	Environmental	Metrics and indices	Environmental Performance Metrics	Landscape quality and atmosphere	Quantitative/Qualitative	Micro, Meso
41	Cultural heritage circular economy	Environmental	Metrics and indices	Environmental Performance Metrics	Water quality	Quantitative/Qualitative	Micro, Meso, Macro
41	Cultural heritage circular economy	Environmental	Material and resources	Production	Materials extraction	Quantitative	Micro, Meso, Macro
41	Cultural heritage circular economy	Environmental	Environmental Impacts	Global Warming and other Emissions	Air quality and microclimate	Quantitative/Qualitative	Micro, Meso, Macro
41	Cultural heritage circular economy	Environmental	Waste	Generation	Construction & Demolition Wastes	Quantitative	Micro, Meso, Macro
41	Cultural heritage circular economy	Environmental	Environmental Impacts	Global Warming and other Emissions	GHG emissions reduction	Quantitative	Micro, Meso, Macro
41	Cultural heritage circular economy	Environmental	Environmental Impacts	Biodiversity	Biodiversity	Quantitative/Qualitative	Micro, Meso, Macro
41	Cultural heritage circular economy	Environmental	Environmental Impacts	Soil Quality	Soil consumption reduction	Quantitative	Micro, Meso, Macro
41	Cultural heritage circular economy	Environmental	Water	Efficiency and Productivity	Freshwater efficiency	Quantitative	Micro, Meso, Macro
41	Cultural heritage circular economy	Environmental	Energy	Efficiency and productivity	Energy efficiency	Quantitative	Micro, Meso, Macro
41	Cultural heritage circular economy	Economic	Costs and expences	Production and Operational Costs	Costs of drinking water production, Costs of electricity production, Costs of fertilizers production, Costs of materials	Quantitative	Micro, Meso
41	Cultural heritage circular economy	Economic	Financial performance metrics	Profitability Metrics	Public finance benefit	Quantitative	Micro, Meso, Macro
41	Cultural heritage circular economy	Economic	Financial Performance Metrics	Profitability Metrics	Financial self-sustainability	Quantitative	Micro, Meso
41	Cultural heritage circular economy	Social	Welfare	Health and Safety	Cleanliness and healthiness of public	Qualitative	Micro, Meso
41	Cultural heritage circular economy	Social	Community and Society Empowerment	Cultural Engagement	Attractiveness for residents	Quantitative/Qualitative	Micro, Meso, Macro
41	Cultural heritage circular economy	Social	Community and Society Empowerment	Cultural Engagement	Civic pride	Quantitative/Qualitative	Micro, Meso
41	Cultural heritage circular economy	Social	Community and Society Empowerment	Social Participation and Empowerment	Local community	Quantitative/Qualitative	Micro, Meso, Macro

41	Cultural heritage circular economy	Social	Community and Society Empowerment	Cultural Engagement	Authenticity and integrity	Quantitative/Qualitative	Micro, Meso
41	Cultural heritage circular economy	Social	Community and Society Empowerment	Cultural Engagement	Cultural and knowledge capital production	Quantitative/Qualitative	Micro, Meso, Macro
41	Cultural heritage circular economy	Social	Community and Society Empowerment	Cultural Engagement	Cultural vibrancy	Quantitative/Qualitative	Micro, Meso, Macro
41	Cultural heritage circular economy	Social	Community and Society Empowerment	Cultural Engagement	Heritage community	Quantitative/Qualitative	Micro, Meso
41	Cultural heritage circular economy	Social	Community and Society Empowerment	Cultural Engagement	Intrinsic value	Quantitative/Qualitative	Micro, Meso
41	Cultural heritage circular economy	Social	Community and Society Empowerment	Cultural Engagement	Local identity	Quantitative/Qualitative	Micro, Meso
41	Cultural heritage circular economy	Social	Community and Society Empowerment	Cultural Engagement	Traditional skills	Quantitative/Qualitative	Micro, Meso
41	Cultural heritage circular economy	Social	Community and Society Welfare	Health and Safety	Health	Quantitative	Micro, Meso, Macro
41	Cultural heritage circular economy	Social	Community and Society Empowerment	Social Participation and Empowerment	Participation in decision-making	Quantitative/Qualitative	Micro, Meso, Macro
41	Cultural heritage circular economy	Social	Community and Society Empowerment	Social Participation and Empowerment	Mutual cooperation	Quantitative/Qualitative	Micro, Meso
41	Cultural heritage circular economy	Social	Community and Society Empowerment	Cultural Engagement	Attractiveness for circular cultural tourism	Quantitative/Qualitative	Micro, Meso, Macro
41	Cultural heritage circular economy	Social	Community and Society Empowerment	Cultural Engagement	Attractiveness for creative, cultural and innovative enterprises	Quantitative/Qualitative	Micro, Meso, Macro
41	Cultural heritage circular economy	Social	Community and Society Empowerment	Cultural Engagement	Creativity and innovativeness	Quantitative/Qualitative	Micro, Meso, Macro
41	Cultural heritage circular economy	Social	Community and Society Welfare	Quality and Rights	Quality of life for residents	Quantitative/Qualitative	Micro, Meso, Macro
41	Cultural heritage circular economy	Social	Community and Society Welfare	Health and Safety	Safety of public spaces	Quantitative/Qualitative	Micro, Meso
41	Cultural heritage circular economy	Social	Community and Society Welfare	Quality and Rights	Social cohesion	Quantitative/Qualitative	Micro, Meso, Macro
41	Cultural heritage circular economy	Social	Community and Society Welfare	Quality and Rights	Wellbeing	Quantitative/Qualitative	Micro, Meso, Macro
43	Water and wastewater sector	Economic	Costs and expences	Production and Operational Costs	Costs of materials production	Quantitative	Micro, Meso
43	Water and wastewater sector	Economic	Costs and expences	Environmental and Disposal Costs	Fees for waste landfilling	Quantitative	Micro, Meso
43	Water and wastewater sector	Economic	Costs and expences	Environmental and Disposal Costs	Fees for waste landfilling	Quantitative	Micro, Meso
43	Water and wastewater sector	Economic	Costs and expences	Production and Operational Costs	Costs of fertilizers production	Quantitative	Micro, Meso
43	Water and wastewater sector	Economic	Financial performance metrics	Profitability Metrics	Net revenues from the sale of fertilizers	Quantitative	Micro, Meso
43	Water and wastewater sector	Economic	Costs and expences	Production and Operational Costs	Costs of wastewater treatment services	Quantitative	Micro, Meso
43	Water and wastewater sector	Economic	Financial performance metrics	Profitability Metrics	Net revenues for lower wastewater treatment services fees	Quantitative	Micro, Meso
43	Water and wastewater sector	Economic	Financial performance metrics	Profitability Metrics	Net revenues for lower wastewater treatment services fees	Quantitative	Micro, Meso
43	Water and wastewater sector	Economic	Financial performance metrics	Profitability Metrics	Net revenues from sales of wastewater treatment services	Quantitative	Micro, Meso
43	Water and wastewater sector	Economic	Costs and expences	Production and Operational Costs	Costs of drinking water production (costs of consumer water recovery)	Quantitative	Micro, Meso
43	Water and wastewater sector	Economic	Costs and expences	Production and Operational Costs	Costs of non-drinking water production (costs of non-consumer water recovery)	Quantitative	Micro, Meso
43	Water and wastewater sector	Economic	Financial performance metrics	Profitability Metrics	Costs of water production	Quantitative	Micro, Meso
43	Water and wastewater sector	Economic	Financial performance metrics	Profitability Metrics	Net revenues from less water	Quantitative	Micro, Meso
43	Water and wastewater sector	Economic	Financial performance metrics	Profitability Metrics	Net revenues from sales of drinking water	Quantitative	Micro, Meso

43	Water and wastewater sector	Economic	Financial performance metrics	Profitability Metrics	Net revenues from sales of non-drinking Net revenues from the reduced water	Quantitative	Micro, Meso
43	Water and wastewater sector	Economic	Financial performance metrics	Profitability Metrics	abstraction from the waterworks	Quantitative	Micro, Meso
43	Water and wastewater sector	Economic	Costs and expences	Production and Operational Costs	Costs of electricity production	Quantitative	Micro, Meso
43	Water and wastewater sector	Economic	Financial performance metrics	Profitability Metrics	Net revenues from sales of electricity Share of unsold eggs that are recovered on farm	Quantitative	Micro, Meso
44	Agriculture	Circularity	Circularity Metrics and Indices Circular Business Models and Practices	Reusability Metrics	Strategies to reduce energy consumption	Quantitative/Qualitative	Micro, Meso
44	Agriculture	Circularity	Circularity Metrics and Indices	Recyclability Metrics	Feed conversion rate	Quantitative	Micro
44	Agriculture	Environmental	Waste	Disposal and landfill	Share of mortalities disposed of through composting	Quantitative	Micro
44	Agriculture	Environmental	Waste	Disposal and landfill	Share of mortalities disposed of through incineration and/or landfiling	Quantitative	Micro
44	Agriculture	Environmental	Agriculture	Animals	Share of mortalities valorized through rendering	Quantitative	Micro
44	Agriculture	Environmental	Waste	Disposal and landfill	Share of spent hens disposed through composting	Quantitative	Micro
44	Agriculture	Environmental	Waste	Disposal and landfill	Share of spent hens disposed through incineration and/or landfiling	Quantitative	Micro
44	Agriculture	Environmental	Agriculture	Animals	Share of spent hens valorized through rendering	Quantitative	Micro
44	Agriculture	Environmental	Agriculture	Animals	Hens' viability rate (100—mortality rate)	Quantitative	Micro
44	Agriculture	Environmental	Agriculture	Products and by-products	Laying rate (average for the entire production cycle and for the 51st week of	Quantitative	Micro
44	Agriculture	Environmental	Agriculture	Products and by-products	Manure management strategies	Qualitative	Micro, Meso
44	Agriculture	Environmental	Agriculture	Animals	Share of spent hens valorized through human consumption	Quantitative	Micro
44	Agriculture	Environmental	Agriculture	Animals	Percentage of animals kept with the possibility to exhibit their natural behaviors throughout their life cycle	Quantitative	Micro
44	Agriculture	Environmental	Agriculture	Animals	Percentage of animals living with a good health status without curative treatments (annual basis)	Quantitative	Micro
44	Agriculture	Environmental	Agriculture	Animals	Percentage of animals living without pain, discomfort, or stress throughout their life, including during transport and slaughter processes (annual basis)	Quantitative	Micro
44	Agriculture	Environmental	Agriculture	Fertilizer	Share of manure used for soil fertilization	Quantitative	Macro
44	Agriculture	Environmental	Water	Consumption	Total (quantity) water used (L/tonne egg produced)	Quantitative	Micro
44	Agriculture	Environmental	Water	Management and Stress	Strategies for responsible water	Quantitative/Qualitative	Micro, Meso, Macro
44	Agriculture	Environmental	Energy	Intensity	Share of the total energy used which is from renewable sources	Quantitative	Meso, Macro
44	Agriculture	Environmental	Energy	Consumption	Total direct energy used	Quantitative	Micro, Meso, Macro
44	Agriculture	Economic	Supply Chain	Logistics and Transportation	Total annual distance done for inputs	Quantitative	Micro, Meso
44	Agriculture	Economic	Supply Chain	Logistics and Transportation	Total annual distance done for products and by-products delivery	Quantitative	Micro, Meso

44	Agriculture	Technological		Technological Advancement and Innovation Capacity	Advanced technological transfer and applicability	Quantitative	Micro, Meso
44	Agriculture	Technological		Operational Efficiency and Resource Management	Variability of down time between production cycles	Quantitative	Micro, Meso
45	Parameterized LCA and LCC Assessment	Circularity	Circularity Metrics and Indices	Remanufacturing Metrics	Remanufacturing Indicator	Quantitative	Micro, Meso
48		Circularity	Circularity Metrics and Indices	Reusability Metrics	Volume of reused water	Quantitative	Micro, Meso
48		Environmental	Metrics and indices	Environmental Performance Metrics	Water footprint	Quantitative	Micro, Meso, Macro
					Materials used for the creation of infrastructures and equipment for water treatment	Quantitative/Qualitative	Micro, Meso
48	Water Management	Environmental	Material and resources	Consumption	Use of energy and raw materials	Quantitative/Qualitative	Micro, Meso, Macro
48	Water Management	Environmental	Energy	Consumption	Use of natural resources for water	Qualitative	Micro, Meso
48	Water Management	Environmental	Water	Consumption	Carbon footprint produced by water	Quantitative	Micro, Meso, Macro
48	Water Management	Environmental	Environmental Impacts	Carbon Emissions	Destination of treated water	Quantitative/Qualitative	Micro, Meso
48	Water Management	Environmental	Water	Quality and Treatment	Percentage of sludge that is used and its destination	Quantitative	Micro, Meso
					Use of by-products resulting from wastewater treatment	Qualitative	Micro, Meso
48	Water Management	Environmental	Waste	Treatment and Management	Volume of treated wastewater for supply	Quantitative	Micro, Meso
48	Water Management	Environmental	Water	Quality and Treatment	Volume of wastewater treated	Quantitative	Micro, Meso
48	Water Management	Environmental	Water	Quality and Treatment	Leakage in water systems	Quantitative	Micro, Meso
48	Water Management	Environmental	Water	Efficiency and Productivity	Percentage of desalted water with respect to total amount of abstracted water	Quantitative	Micro, Meso
					Percentage of water abstracted directly by users with respect to total amount of abstracted water	Quantitative	Micro, Meso
48	Water Management	Environmental	Water	Management and Stress	Source of water for supply	Qualitative	Micro, Meso, Macro
48	Water Management	Environmental	Water	Management and Stress	Total volume of water used (or registered)	Quantitative	Micro, Meso
48	Water Management	Environmental	Water	Consumption	Use of energy and raw material per unit of water for supply	Quantitative/Qualitative	Micro, Meso
48	Water Management	Environmental	Energy	Consumption	Use of water per unit of reference	Qualitative	Micro, Meso
48	Water Management	Environmental	Water	Consumption	Volume of water for supply	Quantitative	Micro, Meso
48	Water Management	Environmental	Water	Quality and Treatment	Environmental condition of water bodies	Quantitative/Qualitative	Meso, Macro
48	Water Management	Environmental	Energy	Production	Amount of energy generated by water	Quantitative	Micro, Meso, Macro
					Percentage of energy coming from green and renewable sources	Quantitative	Micro, Meso, Macro
48	Water Management	Environmental	Energy	Intensity	Amount of energy used per cubic meter of water	Quantitative	Micro, Meso, Macro
					Investment in water abstraction, supply and cost	Quantitative	Micro, Meso
48	Water Management	Economic	Investment	Green and Sustainable Investments	Kilometers of dual water distribution (water supply from different sources depending on the purpose)	Quantitative	Micro, Meso
					Investment in new infrastructure and equipment	Quantitative	Micro, Meso
48	Water Management	Economic	Investment	Capital Investments	Investment in treatment, reutilization and	Quantitative	Micro, Meso
48	Water Management	Economic	Investment	Green and Sustainable Investments	Percentage of wastewater treated and	Quantitative	Micro, Meso
48	Water Management	Economic	Economic Development	Materials and Resource Efficiency Metrics			

48	Water Management	Economic	Economic Development	Materials and Resource Efficiency Metrics	Use of energy and raw material per unit of wastewater treated and reused	Qualitative	Micro, Meso
48	Water Management	Technological	Operational Efficiency and Resource Management		Infrastructure	Quantitative/Qualitative	Micro, Meso, Macro
51	Circular economy and sustainability	Circularity	Circularity Metrics and Indices	Circularity and performancd Indicators	Circular Economy Index	Quantitative	Micro, Meso, Macro
51	Circular economy and sustainability	Circularity	Circularity Metrics and Indices	Circularity and performancd Indicators	Circular Economy Indicator Prototype	Composite	Micro, Meso, Macro
51	Circular economy and sustainability	Circularity	Circularity Metrics and Indices	Circularity and performancd Indicators	Circular Economy Toolkit	Quantitative/Qualitative	Micro, Meso, Macro
51	Circular economy and sustainability	Circularity	Circularity Metrics and Indices	Circularity and performancd Indicators	Circularity Calculator	Quantitative	Micro, Meso
51	Circular economy and sustainability	Circularity	Circular Business Models and Practices	Business Models and strategies	Circularity Design Guidelines	Qualitative	Micro, Meso
51	Circular economy and sustainability	Circularity	Circular Business Models and Practices	Decision making tools	Decision Support Tool for Remanufacturing	Analytic	Micro, Meso
51	Circular economy and sustainability	Circularity	Circular Business Models and Practices	Business Models and strategies	Design Method for End-of-use Product Value Recovery	Qualitative	Micro, Meso
51	Circular economy and sustainability	Circularity	Circularity Metrics and Indices	Recyclability Metrics	Disassembly Effort Index	Composite	Micro, Meso
51	Circular economy and sustainability	Circularity	Circularity Metrics and Indices	Recyclability Metrics	Ease of Disassembly Metric	Quantitative	Micro, Meso
51	Circular economy and sustainability	Circularity	Circularity Metrics and Indices	Recyclability Metrics	Effective Disassembly Time	Quantitative	Micro, Meso
51	Circular economy and sustainability	Circularity	Circularity Metrics and Indices	Sustainability Indices	Sustainability Indicators in CE	Composite	Micro, Meso, Macro
51	Circular economy and sustainability	Circularity	Circularity Metrics and Indices	Longevity and Durability Metrics	Longevity Indicator (resource duration)	Quantitative	Micro, Meso, Macro
51	Circular economy and sustainability	Circularity	Circularity Metrics and Indices	Reusability Metrics	Material Reutilization Score (C2C certification framework)	Quantitative	Micro, Meso
51	Circular economy and sustainability	Circularity	Circularity Metrics and Indices	Recyclability Metrics	Recycling Desirability Index	Quantitative	Micro, Meso
51	Circular economy and sustainability	Circularity	Circular Business Models and Practices	Decision making tools	Mathematical Model to Assess Sustainable Design and End-of-life	Analytic	Micro, Meso
51	Circular economy and sustainability	Circularity	Circular Business Models and Practices	Decision making tools	Model of Expanded Zero Waste Practice	Analytic	Micro, Meso
51	Circular economy and sustainability	Circularity	Circularity Metrics and Indices	Recyclability Metrics	Recycling Indices	Composite	Micro, Meso, Macro
51	Circular economy and sustainability	Circularity	Circular Business Models and Practices	Decision making tools	Product Recovery Multi-Criteria Decision Tool	Analytic	Micro
51	Circular economy and sustainability	Circularity	Circular Business Models and Practices	Decision making tools	Product Recovery Multi-Criteria Decision Tool	Analytic	Micro, Meso
51	Circular economy and sustainability	Circularity	Circularity Metrics and Indices	Remanufacturing Metrics	Remanufacturing Product Profiles	Analytic	Micro, Meso
51	Circular economy and sustainability	Circularity	Circularity Metrics and Indices	Reusability Metrics	Reuse Potential Indicator	Quantitative	Micro, Meso
51	Circular economy and sustainability	Circularity	Circularity Metrics and Indices	Circularity and performancd Indicators	Combination Matrix	Composite	Micro, Meso
51	Circular economy and sustainability	Circularity	Circularity Metrics and Indices	Circularity and performancd Indicators	End-of-life Index	Composite	Micro, Meso
51	Circular economy and sustainability	Circularity	Circular Business Models and Practices	Decision making tools	Multi-criteria Decision Analysis Combining Material Circularity Indicators & Life-cycle based Indicators	Analytic	Micro, Meso, Macro
51	Circular economy and sustainability	Circularity	Circularity Metrics and Indices	Circularity and performancd Indicators	End-of-life Indices (Design Methodology)	Composite	Micro, Meso
51	Circular economy and sustainability	Circularity	Circularity Metrics and Indices	Circularity and performancd Indicators	Product-level Circularity Metric	Quantitative	Micro, Meso, Macro
51	Circular economy and sustainability	Circularity	Circularity Metrics and Indices	Circularity and performancd Indicators	Typology for Quality Properties	Qualitative	Micro, Meso
51	Circular economy and sustainability	Economic	Economic Development	Materials and Resource Efficiency Metrics	Material Circularity Indicator	Quantitative	Micro, Meso, Macro
51	Circular economy and sustainability	Economic	Economic Development	Growth and Value Added	Eco-cost/Value Ratio	Quantitative	Micro, Meso
51	Circular economy and sustainability	Economic	Economic Development	Growth and Value Added	Eco-efficient Value Creation	Quantitative	Micro, Meso
52	Organizations sustainability and business models	Circularity	Circularity Metrics and Indices	Circularity and performancd Indicators	BIM-based Whole-life Performance Estimator	Quantitative/Qualitative	Micro, Meso
52	Organizations sustainability and business models	Circularity	Circularity Metrics and Indices	Circularity and performancd Indicators	Building Circularity Indicators	Quantitative	Micro, Meso, Macro

52	Organizations sustainability and business models	Circularity	Circularity Metrics and Indices	Circularity and performance Indicators	Circular Economy Index	Quantitative	Micro, Meso, Macro
52	Organizations sustainability and business models	Circularity	Circularity Metrics and Indices	Circularity and performance Indicators	Circular Economy Indicator Prototype	Composite	Micro, Meso, Macro
52	Organizations sustainability and business models	Circularity	Circularity Metrics and Indices	Circularity and performance Indicators	Circular Economy Measurement Scale	Quantitative/Qualitative	Micro, Meso, Macro
52	Organizations sustainability and business models	Circularity	Circularity Metrics and Indices	Circularity and performance Indicators	Circular Economy Performance Indicator	Quantitative/Qualitative	Micro, Meso, Macro
52	Organizations sustainability and business models	Circularity	Circularity Metrics and Indices	Circularity and performance Indicators	Circular Economy Toolkit	Quantitative/Qualitative	Micro, Meso, Macro
52	Organizations sustainability and business models	Circularity	Circularity Metrics and Indices	Circularity and performance Indicators	Circular investment, Innovation	Quantitative/Qualitative	Micro, Meso, Macro
52	Organizations sustainability and business models	Circularity	Circularity Metrics and Indices	Circularity and performance Indicators	Circular Pathfinder	Quantitative/Qualitative	Micro, Meso, Macro
52	Organizations sustainability and business models	Circularity	Circularity Metrics and Indices	Circularity and performance Indicators	Circularity Calculator	Quantitative	Micro, Meso
52	Organizations sustainability and business models	Circularity	Circularity Metrics and Indices	Circularity and performance Indicators	Circularity Index	Quantitative/Qualitative	Micro, Meso, Macro
52	Organizations sustainability and business models	Circularity	Circularity Metrics and Indices	Circularity and performance Indicators	Circularity Potential Indicator	Quantitative	Micro, Meso, Macro
52	Organizations sustainability and business models	Circularity	Circularity Metrics and Indices	Sustainability Indices	Set of Indicators to Assess Sustainability	Quantitative/Qualitative	Micro, Meso, Macro
52	Organizations sustainability and business models	Circularity	Circularity Metrics and Indices	Sustainability Indices	Sustainability Indicators	Quantitative/Qualitative	Micro, Meso, Macro
52	Organizations sustainability and business models	Circularity	Circularity Metrics and Indices	Sustainability Indices	Sustainable Circular Index	Quantitative/Qualitative	Micro, Meso, Macro
52	Organizations sustainability and business models	Circularity	Circularity Metrics and Indices	Reusability Metrics	Economic-environmental remanufacturing	Quantitative/Qualitative	Micro, Meso
52	Organizations sustainability and business models	Circularity	Circularity Metrics and Indices	Sustainability Indices	Economic-Environmental Indicators	Quantitative/Qualitative	Micro, Meso, Macro
52	Organizations sustainability and business models	Circularity	Circularity Metrics and Indices	Reusability Metrics	Material Reutilization Part	Quantitative	Micro, Meso
52	Organizations sustainability and business models	Circularity	Circularity Metrics and Indices	Recyclability Metrics	End-of-Life Recycling Rates	Quantitative	Micro, Meso, Macro
52	Organizations sustainability and business models	Circularity	Circularity Metrics and Indices	Longevity and Durability Metrics	Longevity and Circularity	Quantitative/Qualitative	Micro, Meso, Macro
52	Organizations sustainability and business models	Circularity	Circularity Metrics and Indices	Recyclability Metrics	Recyclability: Recyclability potential	Quantitative	Micro, Meso
52	Organizations sustainability and business models	Circularity	Circularity Metrics and Indices	Recyclability Metrics	Recyclability: Recycled materials	Quantitative	Micro, Meso
52	Organizations sustainability and business models	Circularity	Circularity Metrics and Indices	Longevity and Durability Metrics	Product longevity	Quantitative/Qualitative	Micro, Meso, Macro
52	Organizations sustainability and business models	Circularity	Circularity Metrics and Indices	Reducability Metrics	Reduction of raw materials: Manufacturing	Quantitative	Micro, Meso
52	Organizations sustainability and business models	Circularity	Circularity Metrics and Indices	Reducability Metrics	Reduction of raw materials: Product	Quantitative	Micro, Meso
52	Organizations sustainability and business models	Circularity	Circularity Metrics and Indices	Remanufacturing Metrics	Remanufacturing	Quantitative/Qualitative	Micro, Meso

52	Organizations sustainability and business models	Circularity	Circularity Metrics and Indices	Recyclability Metrics	Recycling Indices	Composite	Micro, Meso, Macro
52	Organizations sustainability and business models	Circularity	Circularity Metrics and Indices	Reusability Metrics	Reuse Potential Indicator	Quantitative	Micro, Meso
52	Organizations sustainability and business models	Circularity	Circularity Metrics and Indices	Reusability Metrics	Reuse: Manufacturing process	Quantitative/Qualitative	Micro, Meso
52	Organizations sustainability and business models	Circularity	Circularity Metrics and Indices	Reusability Metrics	Reuse: Product	Quantitative/Qualitative	Micro, Meso
52	Organizations sustainability and business models	Circularity	Circularity Metrics and Indices	Recyclability Metrics	Recycling Rates	Quantitative	Micro, Meso, Macro
52	Organizations sustainability and business models	Circularity	Circularity Metrics and Indices	Longevity and Durability Metrics	Resource Duration Indicator	Quantitative	Micro, Meso, Macro
52	Organizations sustainability and business models	Circularity	Circularity Metrics and Indices	Circularity and performancd Indicators	Multidimensional Indicator Set	Quantitative/Qualitative	Micro, Meso, Macro
52	Organizations sustainability and business models	Circularity	Circularity Metrics and Indices	Circularity and performancd Indicators	Product-Level Circularity Metric	Quantitative	Micro, Meso, Macro
52	Organizations sustainability and business models	Circularity	Circularity Metrics and Indices	Circularity and performancd Indicators	Refurbishment	Quantitative/Qualitative	Micro, Meso
52	Organizations sustainability and business models	Environmental	Environmental Impacts	Ecotoxicity	Reduction of toxic substances	Quantitative/Qualitative	Micro, Meso, Macro
52	Organizations sustainability and business models	Environmental	Energy	Intensity	Renewability: Renewable energy	Quantitative	Micro, Meso, Macro
52	Organizations sustainability and business models	Economic	Economic Development	Materials and Resource Efficiency Metrics	Material Circularity Indicator	Quantitative	Micro, Meso, Macro
52	Organizations sustainability and business models	Economic	Financial performance metrics	Profitability Metrics	Input-Output Balance Sheet	Quantitative	Micro, Meso, Macro
52	Organizations sustainability and business models	Economic	Economic Development	Private investment	Income generated by jobs	Quantitative	Micro, Meso, Macro
52	Organizations sustainability and business models	Economic	Market Dynamics	Demand Dynamics	Client mindset: Client	Quantitative/Qualitative	Micro, Meso
52	Organizations sustainability and business models	Economic	Market Dynamics	Demand Dynamics	Client mindset: Value	Quantitative/Qualitative	Micro, Meso
52	Organizations sustainability and business models	Economic	Financial performance metrics	Profitability Metrics	Financial results: Cost reduction	Quantitative	Micro, Meso
52	Organizations sustainability and business models	Economic	Financial performance metrics	Profitability Metrics	Financial results: Profitability	Quantitative	Micro, Meso
52	Organizations sustainability and business models	Economic	Financial performance metrics	Profitability Metrics	Financial results: Revenue generation	Quantitative	Micro, Meso
52	Organizations sustainability and business models	Economic	Economic Development	Growth and Value Added	Eco-efficient Value Ratio	Quantitative	Micro, Meso
52	Organizations sustainability and business models	Economic	Economic Development	Growth and Value Added	Value-based Resource Efficiency Indicator	Quantitative	Micro, Meso, Macro
52	Organizations sustainability and business models	Economic	Economic Development	Materials and Resource Efficiency Metrics	Mining site MFA Indicator	Quantitative/Qualitative	Micro, Meso
52	Organizations sustainability and business models	Economic	Economic Development	Materials and Resource Efficiency Metrics	Renewability: Renewable raw materials	Quantitative	Micro, Meso, Macro
52	Organizations sustainability and business models	Social	Governance and Ethics	Corporate Responsibility	Stakeholder structure and diversity: Stakeholder	Quantitative/Qualitative	Micro, Meso

52	Organizations sustainability and business models	Social	Governance and Ethics	Corporate Responsibility	Stakeholder structure and diversity: Structure	Quantitative/Qualitative	Micro, Meso
52	Organizations sustainability and business models	Social	Job Creation and Supply Chain	Job Creation and Employment	Employee participation in the circular model	Quantitative/Qualitative	Micro, Meso
52	Organizations sustainability and business models	Social	Community and Society				
52	Organizations sustainability and business models	Social	Empowerment	Cultural Engagement	Mindset/cultural change	Quantitative/Qualitative	Micro, Meso, Macro
52	Organizations sustainability and business models	Social	Governance and Ethics	Corporate Responsibility	Involvement of stakeholders in decision-making processes	Quantitative/Qualitative	Micro, Meso, Macro
52	Organizations sustainability and business models	Social	Job Creation and Supply Chain	Job Creation and Employment	Job creation	Quantitative	Micro, Meso, Macro
52	Organizations sustainability and business models	Legislation	Economic	Tax regulation	Taxation or regulatory milestones	Qualitative	Micro, Meso, Macro
52	Organizations sustainability and business models	Legislation	Economic	Tax regulation	Taxation or regulatory milestones	Qualitative	Micro, Meso, Macro
54	Circular economy adoption framework	Environmental	Metrics and indices	Environmental Performance Metrics	Effective life cycle analysis	Quantitative/Qualitative	Micro, Meso, Macro
54	Circular economy adoption framework	Circularity	Circular Business Models and Practices	Policy and Regulatory Compliance	Adopting industrial ecology initiatives	Quantitative/Qualitative	Micro, Meso
54	Circular economy adoption framework	Circularity	Circular Business Models and Practices	Business Models and strategies	Adopting innovative practices	Qualitative	Micro, Meso
54	Circular economy adoption framework	Circularity	Circular Business Models and Practices	Business Models and strategies	Adopting reverse supply chain practices (e.g., EPR, reverse logistics)	Qualitative	Micro, Meso
54	Circular economy adoption framework	Circularity	Circular Business Models and Practices	Policy and Regulatory Compliance	Adoption industrial ecology initiatives	Quantitative/Qualitative	Micro, Meso
54	Circular economy adoption framework	Circularity	Circular Business Models and Practices	Policy and Regulatory Compliance	Adoption of 6 R's	Quantitative/Qualitative	Micro, Meso
54	Circular economy adoption framework	Circularity	Circular Business Models and Practices	Policy and Regulatory Compliance	Adoption of 6 Rs	Quantitative/Qualitative	Micro, Meso
54	Circular economy adoption framework	Circularity	Circular Business Models and Practices	Policy and Regulatory Compliance	Adoption of innovative practices	Quantitative/Qualitative	Micro, Meso
54	Circular economy adoption framework	Circularity	Circular Business Models and Practices	Policy and Regulatory Compliance	Adoption of reverse supply chain practices (ERP, reverse logistics)	Quantitative/Qualitative	Micro, Meso
54	Circular economy adoption framework	Circularity	Circular Business Models and Practices	Business Models and strategies	Effective facility layout decision-making	Qualitative	Micro, Meso
54	Circular economy adoption framework	Circularity	Circular Business Models and Practices	Business Models and strategies	Effective inventory management	Qualitative	Micro, Meso
54	Circular economy adoption framework	Circularity	Circular Business Models and Practices	Business Models and strategies	Identifying performance measures for CE	Qualitative	Micro, Meso
54	Circular economy adoption framework	Circularity	Circular Business Models and Practices	Business Models and strategies	Multi-stage quality check system	Qualitative	Micro, Meso
54	Circular economy adoption framework	Circularity	Circular Business Models and Practices	Business Models and strategies	Multi-stage quality check system	Qualitative	Micro, Meso
54	Circular economy adoption framework	Circularity	Circular Business Models and Practices	Business Models and strategies	Redesign based on customer (internal and external) feedback	Qualitative	Micro, Meso
54	Circular economy adoption framework	Circularity	Circular Business Models and Practices	Business Models and strategies	Redesign based on customer feedback	Qualitative	Micro, Meso
54	Circular economy adoption framework	Circularity	Circular Business Models and Practices	Business Models and strategies	Rewards and incentives for greener activities	Qualitative	Micro, Meso



54	Circular economy adoption framework	Circularity	Circular Business Models and Practices	Business Models and strategies	Identifying performance measure for CE	Qualitative	Micro, Meso, Macro
54	Circular economy adoption framework	Circularity	Circular Business Models and Practices	Business Models and strategies	Sustainable resource management	Qualitative	Micro, Meso, Macro
54	Circular economy adoption framework	Circularity	Circular Business Models and Practices	Corporate Governance	Top management commitment for CE adoption	Qualitative	Micro, Meso, Macro
54	Circular economy adoption framework	Circularity	Circular Business Models and Practices	Policy and Regulatory Compliance	Availability of CE oriented framework	Qualitative	Micro, Meso, Macro
54	Circular economy adoption framework	Circularity	Circular Business Models and Practices	Corporate Governance	Building a brand image	Qualitative	Micro, Meso
54	Circular economy adoption framework	Circularity	Circular Business Models and Practices	Corporate Governance	Building brand image	Qualitative	Micro, Meso
54	Circular economy adoption framework	Circularity	Circular Business Models and Practices	Corporate Governance	Top management commitment	Qualitative	Micro, Meso
54	Circular economy adoption framework	Circularity	Circular Business Models and Practices	Business Models and strategies	Constant monitoring of changing market needs	Qualitative	Micro, Meso
54	Circular economy adoption framework	Circularity	Circular Business Models and Practices	Business Models and strategies	Effective planning and management	Qualitative	Micro, Meso
54	Circular economy adoption framework	Circularity	Circular Business Models and Practices	Business Models and strategies	Effective planning and management	Qualitative	Micro, Meso
54	Circular economy adoption framework	Circularity	Circular Business Models and Practices	Business Models and strategies	Effective planning and management for CE adoption	Qualitative	Micro, Meso
54	Circular economy adoption framework	Circularity	Circular Business Models and Practices	Policy and Regulatory Compliance	Availability of CE oriented framework (e.g. ReSOLVE)	Qualitative	Micro, Meso, Macro
54	Circular economy adoption framework	Circularity	Circular Business Models and Practices	Policy and Regulatory Compliance	Sustainable resource management	Quantitative/Qualitative	Micro, Meso, Macro
54	Circular economy adoption framework	Circularity	Circular Business Models and Practices	Policy and Regulatory Compliance	Adopting green practices (in purchasing, design and packaging)	Quantitative/Qualitative	Micro, Meso
54	Circular economy adoption framework	Circularity	Circular Business Models and Practices	Policy and Regulatory Compliance	Adoption of green practices (in purchasing, design, and packaging)	Quantitative/Qualitative	Micro, Meso
54	Circular economy adoption framework	Circularity	Circular Business Models and Practices	Policy and Regulatory Compliance	Understanding exact implications of CE (economic and social benefits)	Qualitative	Micro, Meso, Macro
54	Circular economy adoption framework	Environmental	Environmental Impacts	Carbon Emissions	Reduction in carbon emission	Quantitative	Micro, Meso, Macro
54	Circular economy adoption framework	Environmental	Environmental Impacts	Carbon Emissions	Reduction in carbon emissions	Quantitative	Micro, Meso, Macro
54	Circular economy adoption framework	Economic	Investment	Capital Investments	Allocation of financial budgets	Quantitative	Micro, Meso
54	Circular economy adoption framework	Social	welfare	Training and Development	Educating customers about CE practices	Quantitative/Qualitative	Micro, Meso
54	Circular economy adoption framework	Social	Welfare	Training and Development	Employee empowerment and motivation	Quantitative/Qualitative	Micro, Meso
54	Circular economy adoption framework	Social	Welfare	Training and Development	Focused training for CE adoption	Quantitative/Qualitative	Micro, Meso
54	Circular economy adoption framework	Social	Welfare	Training and Development	Focused training for CE adoption	Quantitative/Qualitative	Micro, Meso
54	Circular economy adoption framework	Social	Welfare	Training and Development	Focussed training for CE adoption	Quantitative/Qualitative	Micro, Meso
54	Circular economy adoption framework	Social	Community and Society	Community Relations	Coordination and collaboration among SC members	Quantitative/Qualitative	Micro, Meso
54	Circular economy adoption framework	Social	Governance and Ethics	Corporate Responsibility	Supplier commitment for recyclable	Quantitative/Qualitative	Micro, Meso
54	Circular economy adoption framework	Social	Community and Society	Community Relations	Participation of companies in networks of circular companies	Quantitative/Qualitative	Micro, Meso, Macro
54	Circular economy adoption framework	Social	Community and Society	Community Relations	Penetrating social media and big data analytics in the organization	Quantitative/Qualitative	Micro, Meso

54	Circular economy adoption framework	Social	Community and Society Empowerment	Social Participation and Empowerment	Rewards and incentives for greener activities	Quantitative/Qualitative	Micro, Meso
54	Circular economy adoption framework	Social	Governance and Ethics	Corporate Responsibility	Understanding the exact implications of CE (economic and social benefits)	Quantitative/Qualitative	Micro, Meso, Macro
54	Circular economy adoption framework	Social	Governance and Ethics	Corporate Responsibility	Supportive participation of stakeholders	Quantitative/Qualitative	Micro, Meso, Macro
54	Circular economy adoption framework	Social	Job Creation and Supply Chain	Job Creation and Employment	Employee empowerment and motivation	Quantitative/Qualitative	Micro, Meso
54	Circular economy adoption framework	Social	Job Creation and Supply Chain	Job Creation and Employment	Employee improvement and motivation	Quantitative/Qualitative	Micro, Meso
54	Circular economy adoption framework	Social	Job Creation and Supply Chain	Job Creation and Employment	Number of persons employed	Quantitative	Micro, Meso, Macro
54	Circular economy adoption framework	Social	Welfare	Health and Safety	Mist/dust level at working stations	Quantitative	Micro, Meso
54	Circular economy adoption framework	Technological		Technological Advancement and Innovation Capacity	Advanced technological transfer and applicability	Quantitative/Qualitative	Micro, Meso, Macro
54	Circular economy adoption framework	Technological		Technological Advancement and Innovation Capacity	Effective information management system	Quantitative/Qualitative	Micro, Meso
54	Circular economy adoption framework	Technological		Technological Advancement and Innovation Capacity	Effective information management system (e.g., IoT)	Quantitative/Qualitative	Micro, Meso
54	Circular economy adoption framework	Technological		Technological Advancement and Innovation Capacity	Advanced technological transfer and applicability	Quantitative/Qualitative	Micro, Meso, Macro
54	Circular economy adoption framework	Legislation	Environmental		Supportive government policies	Qualitative	Macro
54	Circular economy adoption framework	Legislation	Economic	Policies	Supportive government policies	Qualitative	Macro
55	Circular economy	Circularity	Circularity Metrics and Indices	Recyclability Metrics	End-of-life recycling of critical raw	Quantitative	Micro, Meso, Macro
55	Circular economy	Circularity	Circularity Metrics and Indices	Recoverability Metrics	Recovering rate of construction and demolition waste	Quantitative	Micro, Meso, Macro
55	Circular economy	Circularity	Circularity Metrics and Indices	Recyclability Metrics	Recycling rate of all waste excluding major mineral waste	Quantitative	Micro, Meso, Macro
55	Circular economy	Circularity	Circularity Metrics and Indices	Recyclability Metrics	Recycling rate of biowaste	Quantitative	Micro, Meso, Macro
55	Circular economy	Circularity	Circularity Metrics and Indices	Recyclability Metrics	Recycling rate of electrical and electronic waste	Quantitative	Micro, Meso, Macro
55	Circular economy	Circularity	Circularity Metrics and Indices	Recyclability Metrics	Recycling rate of municipal waste	Quantitative	Micro, Meso, Macro
55	Circular economy	Circularity	Circularity Metrics and Indices	Recyclability Metrics	Recycling rate of packaging	Quantitative	Micro, Meso, Macro
55	Circular economy	Circularity	Circularity Metrics and Indices	Recyclability Metrics	Recycling rate of plastic packaging	Quantitative	Micro, Meso, Macro
55	Circular economy	Circularity	Circularity Metrics and Indices	Recyclability Metrics	Recycling rate of wooden packaging	Quantitative	Micro, Meso
55	Circular economy	Circularity	Circularity Metrics and Indices	Reusability Metrics	Circular material use rate	Quantitative	Micro, Meso, Macro
55	Circular economy	Environmental	Waste	Generation	Food waste (under development)	Quantitative	Micro, Meso, Macro
55	Circular economy	Environmental	Waste	Generation	Generation of municipal waste per capita	Quantitative	Macro
55	Circular economy	Environmental	Waste	Generation	Generation of waste per unit of Domestic		
55	Circular economy	Environmental	Waste	Generation	Material Consumption	Quantitative	Macro
55	Circular economy	Environmental	Waste	Generation	Generation of waste per unit of GDP	Quantitative	Macro
55	Circular economy	Economic	Trade and Globalization	Self-sufficiency	EU self-sufficiency for raw materials	Quantitative	Macro
55	Circular economy	Economic	Trade and Globalization	Trade	Trade in recyclable materials	Quantitative	Macro
55	Circular economy	Economic	Costs and expences	Public and Governmental Costs	Green public procurement (under development)	Quantitative	Macro
55	Circular economy	Economic	Economic Development	Growth and Value Added	Gross value added in the circular economy sectors	Quantitative	Macro
55	Circular economy	Economic	Investment	Capital Investments	Gross investment in tangible goods in the recycling sector	Quantitative	Macro
55	Circular economy	Social	Job Creation and Supply Chain	Job Creation and employment	Number of persons employed in the circular economy sectors	Quantitative	Macro

55	Circular economy	Technological		Patents and Intellectual Property	Number of patents related to recycling and secondary raw materials	Quantitative	Macro
57	Material selection	Environmental	Metrics and indices	Environmental Performance Metrics	Displacement rate	Quantitative	Micro, Meso, Macro
57	Material selection	Circularity	Circularity Metrics and Indices	Circularity and performancd Indicators	Circular Economy Index	Quantitative	Micro, Meso, Macro
57	Material selection	Circularity	Circularity Metrics and Indices	Circularity and performancd Indicators	Circular Economy Performance Indicator	Quantitative/Qualitative	Micro, Meso, Macro
57	Material selection	Circularity	Circularity Metrics and Indices	Circularity and performancd Indicators	Circularity Index	Quantitative/Qualitative	Micro, Meso, Macro
57	Material selection	Circularity	Circularity Metrics and Indices	Recyclability Metrics	End of Life Recycling Rate	Quantitative	Micro, Meso, Macro
57	Material selection	Circularity	Circularity Metrics and Indices	Longevity and Durability Metrics	Material Durability Indicator	Quantitative	Micro, Meso
57	Material selection	Circularity	Circularity Metrics and Indices	Recyclability Metrics	Old Scrap Ratio	Quantitative	Micro, Meso
57	Material selection	Circularity	Circularity Metrics and Indices	Recyclability Metrics	Recycling Input Rate	Quantitative	Micro, Meso
57	Material selection	Circularity	Circularity Metrics and Indices	Recyclability Metrics	Recycling Rate	Quantitative	Micro, Meso, Macro
57	Material selection	Circularity	Circularity Metrics and Indices	Longevity and Durability Metrics	Resource Duration	Quantitative	Micro, Meso
57	Material selection	Circularity	Circularity Metrics and Indices	Circularity and performancd Indicators	Global Resource Indicator	Quantitative/Qualitative	Macro
57	Material selection	Circularity	Circularity Metrics and Indices	Circularity and performancd Indicators	Product Level Circularity Metric	Quantitative	Micro, Meso, Macro
57	Material selection	Economic	Economic Development	Materials and Resource Efficiency Metrics	Material Circularity Indicator	Quantitative	Micro, Meso, Macro
57	Material selection	Economic	Costs and expences	Environmental and Disposal Costs	Eco-costs	Quantitative	Micro, Meso
57	Material selection	Economic	Economic Development	Growth and Value Added	Valued-based Resource Efficiency	Quantitative	Micro, Meso, Macro
57	Material selection	Economic	Economic Development	Materials and Resource Efficiency Metrics	Material Reutilization part – Cradle to	Quantitative	Micro, Meso
57	Material selection	Economic	Economic Development	Materials and Resource Efficiency Metrics	Number of Times of Use of a Material	Quantitative	Micro, Meso
58	Circular economy efficiency	Environmental	Metrics and indices	Environmental Performance Metrics	Environmental effects and cost-benefit analysis of municipal waste management in Europe	Quantitative/Qualitative	Macro
58	Circular economy efficiency	Circularity	Circularity Metrics and Indices	Longevity and Durability Metrics	Average of the real durability of selected products	Quantitative	Micro, Meso
58	Circular economy efficiency	Circularity	Circularity Metrics and Indices	Longevity and Durability Metrics	Durability or life cycle purchased with the industry average for a similar product	Quantitative	Micro, Meso
58	Circular economy efficiency	Circularity	Circularity Metrics and Indices	Recyclability Metrics	Proportion of recycled materials in new products	Quantitative	Micro, Meso, Macro
58	Circular economy efficiency	Circularity	Circularity Metrics and Indices	Recyclability Metrics	Proportion of secondary raw materials in material consumption	Quantitative	Micro, Meso, Macro
58	Circular economy efficiency	Circularity	Circularity Metrics and Indices	Recyclability Metrics	Recycling material quality compared to virgin material quality	Quantitative	Micro, Meso
58	Circular economy efficiency	Circularity	Circularity Metrics and Indices	Recyclability Metrics	Recycling rate for different types of waste/materials (EEA indicator WST005)	Quantitative	Micro, Meso, Macro
58	Circular economy efficiency	Circularity	Circularity Metrics and Indices	Circularity and performancd Indicators	Time and number of products needed for disassembly	Quantitative	Micro, Meso
58	Circular economy efficiency	Environmental	Metrics and indices	Environmental Performance Metrics	The environmental footprint of consumption (including materials) in	Quantitative/Qualitative	Macro
58	Circular economy efficiency	Environmental	Material and resources	Consumption	Use of materials for production compared to GDP (potentially by sector)	Quantitative	Macro
58	Circular economy efficiency	Environmental	Material and resources	Consumption	Direct material consumption or consumption of raw materials	Quantitative	Micro, Meso
58	Circular economy efficiency	Environmental	Environmental Impacts	Ecotoxicity	Input of substances that are classified as hazardous	Quantitative	Micro, Meso, Macro
58	Circular economy efficiency	Environmental	Waste	Generation	Generation of waste (in production activities) (Indicated in EEA	Quantitative	Micro, Meso, Macro
58	Circular economy efficiency	Environmental	Waste	Disposal and landfill	Waste diversion from landfills (EEA indicator WST006, under development)	Quantitative	Macro

58	Circular economy efficiency	Environmental	Waste	Generation	Waste generation (in consumer activities) (EEA indicator CSI041/WST0D4)	Quantitative	Macro
58	Circular economy efficiency	Economic	Costs and expences	Production and Operational Costs	Transportation cost from facility to recycling plant	Quantitative	Micro, Meso
58	Circular economy efficiency	Economic	Economic Development	Materials and Resource Efficiency Metrics	Proportion of ecologically certified materials in material use	Quantitative	Micro, Meso
58	Circular economy efficiency	Economic	Economic Development	Materials and Resource Efficiency Metrics	Proportion of material losses in key material cycles	Quantitative	Micro, Meso, Macro
58	Circular economy efficiency	Economic	Economic Development	Materials and Resource Efficiency Metrics	Proportion of materials that offer a safe recycling possibility	Quantitative	Micro, Meso
59	Circular economy	Circularity	Circularity Metrics and Indices	Circularity and performancd Indicators	Circular Economy Composite Index Labtmp (assuming this is a placeholder for a specific environmental or laboratory	Composite	Micro, Meso, Macro
64	Renewable energy, and circular economy	Environmental	Metrics and indices	Environmental Performance Metrics	Amount of Material Per Work Required	Quantitative/Qualitative	Micro, Meso
64	Renewable energy, and circular economy	Economic	Economic Development	Materials and Resource Efficiency Metrics	Biowaste Recycling	Quantitative	Micro, Meso
64	Renewable energy, and circular economy	Circularity	Circularity Metrics and Indices	Recyclability Metrics	Circular Material	Quantitative	Micro, Meso
64	Renewable energy, and circular economy	Economic	Economic Development	Materials and Resource Efficiency Metrics	Construction and Demolition Recovery	Quantitative/Qualitative	Micro, Meso, Macro
64	Renewable energy, and circular economy	Circularity	Circularity Metrics and Indices	Recoverability Metrics	E-Waste Recycling	Quantitative	Micro, Meso, Macro
64	Renewable energy, and circular economy	Circularity	Circularity Metrics and Indices	Recyclability Metrics	Municipal Waste Recycling	Quantitative	Micro, Meso, Macro
64	Renewable energy, and circular economy	Circularity	Circularity Metrics and Indices	Recyclability Metrics	Packaging Waste Recycling	Quantitative	Micro, Meso, Macro
64	Renewable energy, and circular economy	Environmental	Metrics and indices	Environmental Performance Metrics	Urbanization	Quantitative/Qualitative	Macro
64	Renewable energy, and circular economy	Environmental	Waste	Generation	Municipal Waste Generation	Quantitative	Micro, Meso, Macro
64	Renewable energy, and circular economy	Environmental	Environmental Impacts	Carbon Emissions	CO2 Emissions	Quantitative	Micro, Meso, Macro
64	Renewable energy, and circular economy	Environmental	Environmental Impacts	Land Use	Forest Area	Quantitative	Micro, Meso, Macro
64	Renewable energy, and circular economy	Environmental	Agriculture	Land	Agriculture Land	Quantitative	Micro, Meso, Macro
64	Renewable energy, and circular economy	Environmental	Energy	Production	Renewable Energy	Quantitative	Micro, Meso, Macro
64	Renewable energy, and circular economy	Environmental	Energy	Intensity	Energy Intensity	Quantitative	Micro, Meso, Macro
64	Renewable energy, and circular economy	Environmental	Energy	Consumption	Energy Use	Quantitative/Qualitative	Micro, Meso, Macro
64	Renewable energy, and circular economy	Economic	Trade and Globalization	Trade	Recyclables Trade	Quantitative	Macro
64	Renewable energy, and circular economy	Economic	Trade and Globalization	Trade	Trade	Quantitative	Macro
64	Renewable energy, and circular economy	Economic	Investment	Foreign and Government Investments	Foreign Direct Investment	Quantitative	Macro
64	Renewable energy, and circular economy	Economic	Economic Development	Growth and Value Added	Added value per unit of material	Quantitative	Micro, Meso
64	Renewable energy, and circular economy	Economic	Economic Development	GDP Indicators	GDP Per Capita	Quantitative	Macro
64	Renewable energy, and circular economy	Technological		Patents and Intellectual Property	Recycling Patents	Quantitative	Macro
67	Circular economy	Circularity	Circularity Metrics and Indices	Reusability Metrics	Circular material use rate	Quantitative	Micro, Meso, Macro
67	Circular economy	Circularity	Circularity Metrics and Indices	Recyclability Metrics	End-of-life recycling input rates	Quantitative	Micro, Meso, Macro
67	Circular economy	Circularity	Circularity Metrics and Indices	Recoverability Metrics	Recovery rate of C&D waste	Quantitative	Micro, Meso, Macro
67	Circular economy	Circularity	Circularity Metrics and Indices	Recyclability Metrics	Recycling of biowaste	Quantitative	Micro, Meso, Macro
67	Circular economy	Circularity	Circularity Metrics and Indices	Recyclability Metrics	Recycling rate of all waste excluding major mineral waste	Quantitative	Micro, Meso, Macro
67	Circular economy	Circularity	Circularity Metrics and Indices	Recyclability Metrics	Recycling rate of e-waste	Quantitative	Micro, Meso, Macro
67	Circular economy	Circularity	Circularity Metrics and Indices	Recyclability Metrics	Recycling rate of municipal waste	Quantitative	Micro, Meso, Macro
67	Circular economy	Circularity	Circularity Metrics and Indices	Recyclability Metrics	Recycling rate of overall packaging	Quantitative	Micro, Meso, Macro
67	Circular economy	Circularity	Circularity Metrics and Indices	Recyclability Metrics	Recycling rate of packaging waste by type	Quantitative	Micro, Meso, Macro
67	Circular economy	Circularity	Circularity Metrics and Indices	Recyclability Metrics	Recycling rate of wooden packaging	Quantitative	Micro, Meso
67	Circular economy	Environmental	Waste	Generation	Food waste	Quantitative	Micro, Meso, Macro
67	Circular economy	Environmental	Waste	Generation	Generation of municipal waste per capita	Quantitative	Macro

67	Circular economy	Environmental	Waste	Generation	Generation of waste per DMC (Domestic	Quantitative	Macro
67	Circular economy	Environmental	Waste	Generation	Material Consumption)	Quantitative	Macro
67	Circular economy	Economic	Trade and Globalization	Self-sufficiency	Generation of waste per GDP	Quantitative	Macro
67	Circular economy	Economic	Costs and expences	Public and Governmental Costs	Self-sufficiency for raw materials	Quantitative	Macro
67	Circular economy	Economic	Trade and Globalization	Export	Green public procurement	Quantitative	Macro
67	Circular economy	Economic	Trade and Globalization	Export	Exports to EU countries	Quantitative	Macro
67	Circular economy	Economic	Trade and Globalization	Import	Exports to non-EU countries	Quantitative	Macro
67	Circular economy	Economic	Trade and Globalization	Import	Imports from EU countries	Quantitative	Macro
67	Circular economy	Economic	Trade and Globalization	Import	Imports from non-EU countries	Quantitative	Macro
67	Circular economy	Economic	Economic Development	Growth and Value Added	Value added at factor cost	Quantitative	Micro, Meso, Macro
67	Circular economy	Economic	Investment	Capital Investments	Gross investment in tangible goods	Quantitative	Macro
67	Circular economy	Social	Welfare	Quality and Rights	% of areas redeveloped	Quantitative	Micro, Meso, Macro
67	Circular economy	Technological		Patents and Intellectual Property	Patents of recycling and secondary	Quantitative	Macro
68	Circular economy	Environmental	Metrics and indices	Environmental Performance Metrics	Hybrid LCA (Life Cycle Assessment)	Analytic	Micro, Meso, Macro
68	Circular economy	Circularity	Circularity Metrics and Indices	Circularity and performancd Indicators	Assessing Circular Trade-offs	Quantitative/Qualitative	Micro, Meso, Macro
68	Circular economy	Circularity	Circularity Metrics and Indices	Circularity and performancd Indicators	Building Circularity Indicators	Quantitative	Micro, Meso, Macro
68	Circular economy	Circularity	Circularity Metrics and Indices	Circularity and performancd Indicators	Circular Benefits Tool	Quantitative/Qualitative	Micro, Meso
68	Circular economy	Circularity	Circularity Metrics and Indices	Circularity and performancd Indicators	Circular Economy Index	Quantitative	Micro, Meso, Macro
68	Circular economy	Circularity	Circularity Metrics and Indices	Circularity and performancd Indicators	Circular Economy Indicator Prototype	Composite	Micro, Meso, Macro
68	Circular economy	Circularity	Circularity Metrics and Indices	Circularity and performancd Indicators	Circular Economy Indicators for India	Quantitative/Qualitative	Micro, Meso, Macro
68	Circular economy	Circularity	Circularity Metrics and Indices	Circularity and performancd Indicators	Circular Economy Monitoring Framework	Quantitative/Qualitative	Micro, Meso, Macro
68	Circular economy	Circularity	Circularity Metrics and Indices	Circularity and performancd Indicators	Circular Economy Performance Indicator	Quantitative/Qualitative	Micro, Meso, Macro
68	Circular economy	Circularity	Circularity Metrics and Indices	Circularity and performancd Indicators	Circular Economy Toolbox US	Quantitative/Qualitative	Micro, Meso
68	Circular economy	Circularity	Circularity Metrics and Indices	Circularity and performancd Indicators	Circular Economy Toolkit	Quantitative/Qualitative	Micro, Meso, Macro
68	Circular economy	Circularity	Circularity Metrics and Indices	Circularity and performancd Indicators	Circular Impacts Project EU	Quantitative/Qualitative	Micro, Meso, Macro
68	Circular economy	Circularity	Circularity Metrics and Indices	Circularity and performancd Indicators	Circularity Assessment	Quantitative/Qualitative	Micro, Meso, Macro
68	Circular economy	Circularity	Circularity Metrics and Indices	Circularity and performancd Indicators	Circularity Assessment Tool	Quantitative/Qualitative	Micro, Meso
68	Circular economy	Circularity	Circularity Metrics and Indices	Circularity and performancd Indicators	Circularity Calculator	Quantitative	Micro, Meso
68	Circular economy	Circularity	Circularity Metrics and Indices	Circularity and performancd Indicators	Circularity Index	Quantitative/Qualitative	Micro, Meso, Macro
68	Circular economy	Circularity	Circularity Metrics and Indices	Circularity and performancd Indicators	Circularity Indicator Project	Quantitative/Qualitative	Micro, Meso, Macro
68	Circular economy	Circularity	Circularity Metrics and Indices	Circularity and performancd Indicators	Circularity Material Cycles	Quantitative/Qualitative	Micro, Meso, Macro
68	Circular economy	Circularity	Circularity Metrics and Indices	Circularity and performancd Indicators	Circularity Potential Indicator	Quantitative	Micro, Meso, Macro
68	Circular economy	Circularity	Circularity Metrics and Indices	Circularity and performancd Indicators	Closed Loop Calculator	Quantitative/Qualitative	Micro, Meso
68	Circular economy	Circularity	Circularity Metrics and Indices	Circularity and performancd Indicators	Economy-Wide Material Flow Analysis	Quantitative	Macro
68	Circular economy	Circularity	Circularity Metrics and Indices	Circularity and performancd Indicators	Evaluation Indicator System of Circular		
68	Circular economy	Circularity	Circularity Metrics and Indices	Circularity and performancd Indicators	Economy	Quantitative/Qualitative	Micro, Meso, Macro
68	Circular economy	Circularity	Circularity Metrics and Indices	Circularity and performancd Indicators	Evaluation of CE Development in Cities	Quantitative/Qualitative	Micro, Meso, Macro
68	Circular economy	Circularity	Circularity Metrics and Indices	Circularity and performancd Indicators	Evaluation of Regional Circular Economy	Quantitative/Qualitative	Micro, Meso, Macro
68	Circular economy	Circularity	Circularity Metrics and Indices	Circularity and performancd Indicators	Five Category Index Method	Composite	Micro, Meso, Macro
68	Circular economy	Circularity	Circularity Metrics and Indices	Sustainability Indices	Sustainable Circular Index	Quantitative/Qualitative	Micro, Meso, Macro
68	Circular economy	Circularity	Circularity Metrics and Indices	Recyclability Metrics	End-of-Life Recycling Rates	Quantitative	Micro, Meso, Macro
68	Circular economy	Circularity	Circularity Metrics and Indices	Recyclability Metrics	Recycling Indices	Composite	Micro, Meso, Macro
68	Circular economy	Circularity	Circularity Metrics and Indices	Recyclability Metrics	Recycling Rates	Quantitative	Micro, Meso, Macro
68	Circular economy	Circularity	Circularity Metrics and Indices	Reusability Metrics	Reuse Potential Indicator	Quantitative	Micro, Meso
68	Circular economy	Circularity	Circularity Metrics and Indices	Longevity and Durability Metrics	Resource Duration Indicator	Quantitative	Micro, Meso, Macro
68	Circular economy	Circularity	Circularity Metrics and Indices	Circularity and performancd Indicators	Indicators for Consumption for CE in	Quantitative/Qualitative	Micro, Meso, Macro
68	Circular economy	Circularity	Circularity Metrics and Indices	Circularity and performancd Indicators	Indicators for Eco-design for CE in Europe	Quantitative/Qualitative	Micro, Meso, Macro
68	Circular economy	Circularity	Circularity Metrics and Indices	Circularity and performancd Indicators	Indicators for Material input for CE in	Quantitative	Micro, Meso, Macro

68	Circular economy	Circularity	Circularity Metrics and Indices	Circularity and performance Indicators	Indicators for Production for CE in Europe	Quantitative/Qualitative	Micro, Meso, Macro
68	Circular economy	Circularity	Circularity Metrics and Indices	Circularity and performance Indicators	Indicators of Economic Circularity in Industrial Park Circular Economy	Quantitative/Qualitative	Micro, Meso, Macro
68	Circular economy	Circularity	Circularity Metrics and Indices	Circularity and performance Indicators	Indicator System	Quantitative/Qualitative	Micro, Meso, Macro
68	Circular economy	Circularity	Circularity Metrics and Indices	Circularity and performance Indicators	Integrative Evaluation on the Development of CE	Quantitative/Qualitative	Micro, Meso, Macro
68	Circular economy	Circularity	Circularity Metrics and Indices	Circularity and performance Indicators	Measuring Regional CE Eco-Innovation	Quantitative/Qualitative	Micro, Meso, Macro
68	Circular economy	Circularity	Circularity Metrics and Indices	Circularity and performance Indicators	National Circular Economy Indicator	Quantitative/Qualitative	Micro, Meso, Macro
68	Circular economy	Circularity	Circularity Metrics and Indices	Circularity and performance Indicators	Product-Level Circularity Metric	Quantitative	Micro, Meso, Macro
68	Circular economy	Circularity	Circularity Metrics and Indices	Circularity and performance Indicators	Regional Circular Economy Development	Quantitative/Qualitative	Micro, Meso, Macro
68	Circular economy	Circularity	Circularity Metrics and Indices	Circularity and performance Indicators	Resource Efficiency Scoreboard	Quantitative	Macro
68	Circular economy	Circularity	Circular Business Models and Practices	Decision making tools	Circular Economy Company Assessment Criteria	Analytic	Micro, Meso, Macro
68	Circular economy	Circularity	Circular Business Models and Practices	Business Models and strategies	Circular Pathfinder	Quantitative/Qualitative	Micro, Meso, Macro
68	Circular economy	Circularity	Circular Business Models and Practices	Decision making tools	Super-efficiency Data Envelopment Analysis Model	Analytic	Micro, Meso, Macro
68	Circular economy	Circularity	Circularity Metrics and Indices	Circularity and performance Indicators	Zero Waste Index	Quantitative	Micro, Meso, Macro
68	Circular economy	Environmental	Environmental Impacts	Protection	Environmental Protection Indicators	Quantitative/Qualitative	Micro, Meso, Macro
68	Circular economy	Economic	Economic Development	Materials and Resource Efficiency Metrics	Material Circularity Indicator	Quantitative	Micro, Meso, Macro
68	Circular economy	Economic	Financial performance metrics	Profitability Metrics	Input-Output Balance Sheet	Quantitative	Micro, Meso, Macro
68	Circular economy	Economic	Economic Development	Growth and Value Added	Circular Economic Value	Quantitative	Micro, Meso, Macro
68	Circular economy	Economic	Economic Development	Growth and Value Added	Eco-efficient Value Ratio	Quantitative	Micro, Meso
68	Circular economy	Economic	Economic Development	Growth and Value Added	Value-based Resource Efficiency	Quantitative	Micro, Meso, Macro
68	Circular economy	Economic	Economic Development	Materials and Resource Efficiency Metrics	Material Reutilization Part	Quantitative	Micro, Meso
68	Circular economy	Economic	Economic Development	Materials and Resource Efficiency Metrics	Resource Productivity	Quantitative	Micro, Meso, Macro
70	Waste Management	Environmental	Metrics and indices	Waste Management Metrics	Waste Hierarchy Index	Quantitative/Qualitative	Micro, Meso, Macro
71	Manufacturing	Environmental	Metrics and indices	Environmental Performance Metrics	Existence of Manual with environmental instructions	Qualitative	Micro
71	Manufacturing	Environmental	Metrics and indices	Environmental Performance Metrics	Load mode of transport	Qualitative	Micro, Meso
71	Manufacturing	Circularity	Circularity Metrics and Indices	Reusability Metrics	Fraction of Reused Components	Quantitative	Micro, Meso
71	Manufacturing	Circularity	Circularity Metrics and Indices	Reusability Metrics	Fraction of Reused Components	Quantitative	Micro, Meso
71	Manufacturing	Circularity	Circularity Metrics and Indices	Reusability Metrics	Waste converted to Reusable Material	Quantitative	Micro, Meso
71	Manufacturing	Circularity	Circularity Metrics and Indices	Longevity and Durability Metrics	Maintainable period after sales	Quantitative/Qualitative	Micro, Meso
71	Manufacturing	Economic	Economic Development	Materials and Resource Efficiency Metrics	Fraction of Renewable Raw Materials	Quantitative	Micro, Meso
71	Manufacturing	Environmental	Metrics and indices	Environmental Performance Metrics	Vibration at working station	Quantitative	Micro, Meso
71	Manufacturing	Environmental	Material and resources	Consumption	Materials used during after-sales servicing of products	Quantitative/Qualitative	Micro
71	Manufacturing	Environmental	Material and resources	Consumption	Spare Parts and Consumables	Quantitative	Micro
71	Manufacturing	Environmental	Environmental Impacts	Ecotoxicity	Product Hazardous Materials	Quantitative	Micro, Meso
71	Manufacturing	Environmental	Waste	Generation	Product Solid Waste Fraction	Quantitative	Micro, Meso
71	Manufacturing	Environmental	Environmental Impacts	Ecotoxicity	Exposure to corrosive/toxic chemicals	Quantitative/Qualitative	Micro, Meso
71	Manufacturing	Environmental	Water	Consumption	Specific Water Consumption	Quantitative	Micro, Meso
71	Manufacturing	Environmental	Energy	Production	Energy generated with process streams	Quantitative	Micro
71	Manufacturing	Environmental	Energy	Consumption	Energy consumption for disassembly	Quantitative	Micro
71	Manufacturing	Environmental	Energy	Consumption	Specific Energy Consumption in	Quantitative	Micro, Meso
71	Manufacturing	Economic	Costs and expenses	Production and Operational Costs	Total material costs	Quantitative	Micro, Meso

71	Manufacturing	Economic	Supply Chain	Supply Chain Risk and Assurance	Suppliers that have completed hazardous substances information	Quantitative/Qualitative	Micro, Meso, Macro
71	Manufacturing	Economic	Costs and expences	Environmental and Disposal Costs	Cost of disposal	Quantitative	Micro, Meso
71	Manufacturing	Economic	Costs and expences	Production and Operational Costs	Cost of non-destructive disassembly	Quantitative	Micro, Meso
71	Manufacturing	Economic	Costs and expences	Production and Operational Costs	Cost of recycling	Quantitative	Micro, Meso
71	Manufacturing	Economic	Costs and expences	Transportation and Logistics Costs	Cost of transportation in reverse supply	Quantitative	Micro, Meso
71	Manufacturing	Economic	Supply Chain	Supplier Performance and Sourcing	Packaging materials from suppliers	Quantitative	Micro, Meso
71	Manufacturing	Economic	Costs and expences	Training, Education, and Healthcare Costs	Cost of user education on use and post-use opportunities	Quantitative	Micro, Meso
71	Manufacturing	Economic	Costs and expences	Transportation and Logistics Costs	Cost of transportation during	Quantitative	Micro, Meso
71	Manufacturing	Economic	Market Dynamics	Customer Relations	Availability of customer support option	Qualitative	Micro, Meso
71	Manufacturing	Economic	Costs and expences	Production and Operational Costs	Total acquisition cost	Quantitative	Micro, Meso
71	Manufacturing	Economic	Costs and expences	Production and Operational Costs	Processing cost per unit	Quantitative	Micro, Meso
71	Manufacturing	Social	Welfare	Quality and Rights	% of car sharing	Quantitative	Micro, Meso, Macro
71	Manufacturing	Social	Welfare	Health and Safety	% of traffic reduced due to the use of	Quantitative	Micro, Meso, Macro
71	Manufacturing	Social	Welfare	Health and Safety	Noise from products in use	Quantitative/Qualitative	Micro
71	Manufacturing	Technological		Technological Advancement and Innovation Capacity	Active functions	Quantitative/Qualitative	Micro, Meso
71	Manufacturing	Technological		Technological Advancement and Innovation Capacity	Active functions	Quantitative/Qualitative	Micro, Meso
71	Manufacturing	Technological		Technological Advancement and Innovation Capacity	Laminated or Compound Materials	Quantitative	Micro
71	Manufacturing	Technological		Operational Efficiency and Resource Management	Revenue from upgrade, repair, and maintenance services	Quantitative	Micro
71	Manufacturing	Technological		Eco-Innovation and Circular Economy	First technical wear-out life	Quantitative	Micro
73	Circular city assessment framework	Environmental	Metrics and indices	Environmental Performance Metrics	% of retrofitting	Quantitative	Micro, Meso
73	Circular city assessment framework	Environmental	Metrics and indices	Environmental Performance Metrics	% of very degraded buildings	Quantitative	Micro, Meso
73	Circular city assessment framework	Environmental	Metrics and indices	Environmental Performance Metrics	m2 of green roof and green areas	Quantitative	Micro, Meso
73	Circular city assessment framework	Circularity	Circularity Metrics and Indices	Reusability Metrics	% of useless waste reused in the port area	Quantitative	Micro, Meso
73	Circular city assessment framework	Circularity	Circularity Metrics and Indices	Reusability Metrics	% of waste reused	Quantitative	Micro, Meso
73	Circular city assessment framework	Circularity	Circularity Metrics and Indices	Recyclability Metrics	m3 of recycled concrete used	Quantitative	Micro, Meso
73	Circular city assessment framework	Circularity	Circularity Metrics and Indices	Reusability Metrics	Number of companies that reuse waste	Quantitative	Meso, Macro
73	Circular city assessment framework	Circularity	Circularity Metrics and Indices	Reusability Metrics	Number of companies that reused waste in the port area	Quantitative	Meso, Macro
73	Circular city assessment framework	Circularity	Circularity Metrics and Indices	Reusability Metrics	Number of existing buildings reused	Quantitative	Micro, Meso, Macro
73	Circular city assessment framework	Circularity	Circularity Metrics and Indices	Recyclability Metrics	Number of new buildings designed to be dismantled and recycled	Quantitative	Micro, Meso, Macro
73	Circular city assessment framework	Environmental	Metrics and indices	Waste Management Metrics	Tons of avoided waste construction	Quantitative	Micro, Meso
73	Circular city assessment framework	Environmental	Waste	Generation	% of demolition waste	Quantitative	Micro, Meso
73	Circular city assessment framework	Environmental	Waste	Generation	% of domestic waste	Quantitative	Micro, Meso
73	Circular city assessment framework	Environmental	Waste	Treatment and Management	Collected textile waste per person	Quantitative	Micro, Meso
73	Circular city assessment framework	Environmental	Waste	Generation	Kilograms of compost extracted	Quantitative	Micro
73	Circular city assessment framework	Environmental	Waste	Generation	Kilograms of processed waste	Quantitative	Micro
73	Circular city assessment framework	Environmental	Waste	Generation	Tons/years of organic waste	Quantitative	Micro, Meso
73	Circular city assessment framework	Environmental	Environmental Impacts	Carbon Emissions	CO2 emissions avoided (tons/year)	Quantitative	Micro, Meso, Macro
73	Circular city assessment framework	Environmental	Water	Management and stress	% of water use reduction in buildings	Quantitative	Micro, Meso
73	Circular city assessment framework	Environmental	Energy	Efficiency and productivity	m2 of houses/offices heated through renewable sources	Quantitative	Micro, Meso

73	Circular city assessment framework	Environmental	Energy	Capacity	Number of housing units heated through renewable sources	Quantitative	Micro, Meso, Macro
73	Circular city assessment framework	Environmental	Energy	Production	Production of KWh from waste	Quantitative	Micro, Meso
73	Circular city assessment framework	Environmental	Energy	Consumption	% of energy reduction in buildings	Quantitative	Micro, Meso
73	Circular city assessment framework	Economic	Economic Development	Specific Indicators	Number of houses in 2040	Quantitative	Macro
73	Circular city assessment framework	Economic	Economic Development	Specific Indicators	Number of new green houses	Quantitative	Macro
73	Circular city assessment framework	Economic	Economic Development	Specific Indicators	Number of electrical cars	Quantitative	Meso, Macro
73	Circular city assessment framework	Social	Welfare	Training and Development	Adults participating in education and	Quantitative	Micro, Meso, Macro
73	Circular city assessment framework	Social	Welfare	Equity and Equality	At-risk-of-poverty rate	Quantitative	Micro, Meso, Macro
73	Circular city assessment framework	Social	Societal Influence	Accessibility and Inclusion	Number of families that access incentives for the reuse of plastics	Quantitative	Micro, Meso
76	Circular economy	Circularity	Circularity Metrics and Indices	Circularity and performancd Indicators	Circular economy index	Quantitative	Micro, Meso, Macro
76	Circular economy	Circularity	Circularity Metrics and Indices	Circularity and performancd Indicators	Circular economy performance indicator	Quantitative/Qualitative	Micro, Meso, Macro
76	Circular economy	Circularity	Circularity Metrics and Indices	Circularity and performancd Indicators	Circularity index	Quantitative/Qualitative	Micro, Meso, Macro
76	Circular economy	Circularity	Circularity Metrics and Indices	Longevity and Durability Metrics	Longevity	Quantitative/Qualitative	Micro, Meso
76	Circular economy	Circularity	Circularity Metrics and Indices	Recyclability Metrics	Recycling Rate	Quantitative	Micro, Meso, Macro
76	Circular economy	Circularity	Circularity Metrics and Indices	Reusability Metrics	Reuse Potential	Quantitative	Micro, Meso
76	Circular economy	Circularity	Circularity Metrics and Indices	Circularity and performancd Indicators	Product-level Circularity	Quantitative	Micro, Meso, Macro
76	Circular economy	Economic	Economic Development	Materials and Resource Efficiency Metrics	Material Circularity Indicator	Quantitative	Micro, Meso, Macro
76	Circular economy	Economic	Economic Development	Growth and Value Added	Eco-costs value ratio	Quantitative	Micro, Meso, Macro
76	Circular economy	Economic	Economic Development	Growth and Value Added	Value-based Resource Efficiency	Quantitative	Micro, Meso, Macro
77	Circular economy	Circularity	Circularity Metrics and Indices	Recoverability Metrics	Industrial and municipal wastewater purified in wastewater requiring treatment	Quantitative	Micro, Meso
77	Circular economy	Environmental	Metrics and indices	Environmental Performance Metrics	Street greenery and share of parks, lawns and green areas of the housing estate areas in the total area	Quantitative/Qualitative	Micro, Meso
77	Circular economy	Environmental	Environmental Impacts	Ecotoxicity	Pollutants retained or neutralized in pollutant reduction systems in total pollutants generated from plants especially noxious to air purity	Quantitative	Micro, Meso, Macro
77	Circular economy	Environmental	Waste	Treatment and Management	Municipal waste collected per one	Quantitative	Macro
77	Circular economy	Environmental	Waste	Treatment and Management	Municipal waste collected selectively in relation to the total amount of municipal waste collected	Quantitative	Macro
77	Circular economy	Environmental	Environmental Impacts	Protection	Outlays on fixed assets serving environmental protection and water management related to electricity saving	Quantitative	Micro, Meso, Macro
77	Circular economy	Environmental	Environmental Impacts	Protection	Outlays on fixed assets serving environmental protection and water management related to protection of air	Quantitative	Micro, Meso, Macro
77	Circular economy	Environmental	Environmental Impacts	Global Warming and other Emissions	Emission of particulates	Quantitative	Micro, Meso, Macro
77	Circular economy	Environmental	Environmental Impacts	Carbon Emissions	Carbon dioxide emission from plants especially noxious to air purity	Quantitative	Micro, Meso, Macro
77	Circular economy	Environmental	Environmental Impacts	Land Use	Forest cover indicator	Quantitative	Micro, Meso, Macro
77	Circular economy	Environmental	Energy	Intensity	Share of renewable energy sources in total production of electricity	Quantitative	Micro, Meso, Macro
77	Circular economy	Environmental	Energy	Consumption	Electricity consumption	Quantitative	Micro, Meso, Macro



					Outlays on fixed assets serving environmental protection and water management related to recycling and		
77	Circular economy	Economic	Investment	R&D and Innovation Investments	environmental protection and water management related to recycling and	Quantitative	Micro, Meso, Macro
77	Circular economy	Economic	Economic Development	GDP Indicators	GDP	Quantitative	Macro
77	Circular economy	Economic	Economic Development	Specific Indicators	Passenger cars	Quantitative	Macro
					Expenditures on research and development activities		
77	Circular economy	Economic	Investment	R&D and Innovation Investments	Enterprises with access to the Internet via a broadband connection	Quantitative	Micro, Meso, Macro
77	Circular economy	Economic	Economic Development	Specific Indicators	a broadband connection	Quantitative	Meso, Macro
77	Circular economy	Social	Welfare	Health and Safety	Average life expectancy at birth for men	Quantitative	Macro
77	Circular economy	Social	Job Creation and Supply Chain	Job Creation and Employment	Registered unemployment rate	Quantitative	Micro, Meso, Macro
					Households with a personal computer with broadband connection		
77	Circular economy	Social	Societal Influence	Accessibility and Inclusion	with broadband connection	Quantitative	Micro, Meso, Macro
77	Circular economy	Social	Welfare	Quality and Rights	Urbanization rate	Quantitative	Macro
				Technological Advancement and Innovation Capacity	Average share of innovative enterprises in the total number of enterprises		
77	Circular economy	Technological		Innovation Capacity	the total number of enterprises	Quantitative	Meso, Macro
77	Circular economy	Technological		Patents and Intellectual Property	Patent applications for 1 million	Quantitative	Macro
78	Circular economy	Environmental	Metrics and indices	Environmental Performance Metrics	Environmental sustainability	Quantitative/Qualitative	Micro, Meso, Macro
			Circular Business Models and Practices				
78	Circular economy	Circularity	Practices	Corporate Governance	Business expansion opportunities	Quantitative/Qualitative	Micro
78	Circular economy	Environmental	Metrics and indices	Environmental Performance Metrics	Power distribution within network	Quantitative/Qualitative	Micro, Meso
78	Circular economy	Economic	Supply Chain	Supplier Performance and Sourcing	Raw material availability	Quantitative	Micro, Meso, Macro
78	Circular economy	Economic	Supply Chain	Supplier Performance and Sourcing	Supplier relationship	Quantitative/Qualitative	Micro, Meso
78	Circular economy	Economic	Economic Development	Stability and Freedom	Government stability	Quantitative/Qualitative	Macro
78	Circular economy	Economic	Market Dynamics	Sector-Specific Dynamics	Market integration	Quantitative/Qualitative	Micro, Meso, Macro
78	Circular economy	Economic	Economic Development	Stability and Freedom	Economic freedom	Quantitative/Qualitative	Macro
78	Circular economy	Economic	Economic Development	Stability and Freedom	Economic stability	Quantitative/Qualitative	Macro
78	Circular economy	Economic	Supply Chain	Logistics and Transportation	Transportation	Quantitative	Micro, Meso
78	Circular economy	Economic	Market Dynamics	Demand Dynamics	Demand trend/pattern	Quantitative/Qualitative	Micro, Meso, Macro
78	Circular economy	Economic	Market Dynamics	Demand Dynamics	Demand volume	Quantitative	Micro, Meso, Macro
78	Circular economy	Economic	Market Dynamics	Market Characteristics	Geographical advantage	Quantitative/Qualitative	Micro, Meso, Macro
78	Circular economy	Economic	Market Dynamics	Market Characteristics	Headquarter location	Quantitative/Qualitative	Micro, Meso
78	Circular economy	Economic	Market Dynamics	Market Characteristics	Market proximity	Quantitative/Qualitative	Micro, Meso
78	Circular economy	Economic	Supply Chain	Network Strategy and Agility	Network strategy	Quantitative/Qualitative	Micro, Meso
78	Circular economy	Economic	Supply Chain	Supplier Performance and Sourcing	Proximity to global suppliers	Quantitative/Qualitative	Micro, Meso
			Community and Society				
78	Circular economy	Social	Empowerment	Cultural Engagement	Culture	Quantitative/Qualitative	Micro, Meso, Macro
78	Circular economy	Social	Governance and Ethics	Corporate Responsibility	Resilience	Quantitative/Qualitative	Micro, Meso, Macro
78	Circular economy	Social	Governance and Ethics	Corporate Responsibility	Responsiveness	Quantitative/Qualitative	Micro, Meso, Macro
78	Circular economy	Social	Governance and Ethics	Corporate Responsibility	International employees' family welfare	Quantitative/Qualitative	Micro, Meso
78	Circular economy	Social	Governance and Ethics	Corporate Responsibility	Perception	Quantitative/Qualitative	Micro, Meso
78	Circular economy	Social	Welfare	Training and Development	Skilled workforce and access to peculiar	Quantitative/Qualitative	Micro, Meso, Macro
				Technological Advancement and Innovation Capacity			
78	Circular economy	Technological		Innovation Capacity	Internal integration mechanism	Quantitative/Qualitative	Micro, Meso
				Technological Advancement and Innovation Capacity			
78	Circular economy	Technological		Innovation Capacity	IT/communication infrastructure	Quantitative/Qualitative	Micro, Meso
78	Circular economy	Technological		Organizational and Social Innovation	Knowledge transfer	Quantitative/Qualitative	Micro, Meso

78	Circular economy	Technological		Technological Advancement and Innovation Capacity	Plant competence	Quantitative/Qualitative	Micro, Meso
78	Circular economy	Technological		Eco-Innovation and Circular Economy	Product life/process type	Quantitative/Qualitative	Micro
78	Circular economy	Legislation	Economic	Policies	Administrative policies	Qualitative	Micro, Meso, Macro
79	Circular economy	Circularity	Circularity Metrics and Indices	Recyclability Metrics	Recyclability Benefit Rate	Quantitative	Micro, Meso
79	Circular economy	Circularity	Circularity Metrics and Indices	Recyclability Metrics	Recycled Content Benefit Rate	Quantitative	Micro, Meso
80	Circular economy	Circularity	Circularity Metrics and Indices	Circularity and performance Indicators	Process capability indices	Quantitative	Micro, Meso
81	Old tires	Environmental	Metrics and indices	Environmental Performance Metrics	Bituminous mixture density	Quantitative	Micro
81	biogas production	Environmental	Metrics and indices	Environmental Performance Metrics	Degradable organic carbon	Quantitative	Micro
81	Old tires	Environmental	Metrics and indices	Environmental Performance Metrics	Mass of rubber contained in all existing tires on campus	Quantitative	Micro
81	Reutilization and revalorization of plastic fraction	Environmental	Metrics and indices	Environmental Performance Metrics	Medium bottle mass	Quantitative	Micro
81	Old tires	Environmental	Metrics and indices	Environmental Performance Metrics	Number of tires	Quantitative	Micro
81	biogas production	Circularity	Circularity Metrics and Indices	Circularity and performance Indicators	Circular Economy Efficiency for Biogas	Quantitative	Micro, Meso
81	composting	Circularity	Circularity Metrics and Indices	Circularity and performance Indicators	Circular Economy Efficiency for Compost	Quantitative	Micro, Meso
81	biogas production	Circularity	Circularity Metrics and Indices	Circularity and performance Indicators	Indicator of Circular Economy Efficiency for Energy Use of Biogas	Quantitative	Micro, Meso
81	Old tires	Circularity	Circularity Metrics and Indices	Circularity and performance Indicators	Indicator of Circular Economy Efficiency for Old Tires	Quantitative	Micro, Meso
81	Reutilization and revalorization of plastic fraction	Circularity	Circularity Metrics and Indices	Circularity and performance Indicators	Indicator of Circular Economy for Plastic Fraction	Quantitative	Micro, Meso
81	composting	Environmental	Metrics and indices	Environmental Performance Metrics	Organic matter	Quantitative	Micro, Meso
81	composting	Circularity	Circularity Metrics and Indices	Recyclability Metrics	Paper	Quantitative	Micro, Meso
81	composting	Circularity	Circularity Metrics and Indices	Recyclability Metrics	Textiles	Quantitative	Micro, Meso
81	Old tires	Environmental	Metrics and indices	Environmental Performance Metrics	Rubber in a tire	Quantitative	Micro
81	Old tires	Environmental	Metrics and indices	Environmental Performance Metrics	Rubber in bituminous mixture	Quantitative	Micro
81	Old tires	Environmental	Metrics and indices	Environmental Performance Metrics	Tire mass	Quantitative	Micro
81	Old tires	Environmental	Material and resources	Consumption	Total mass of rubber necessary to pave campus roads	Quantitative	Micro, Meso
81	Reutilization and revalorization of plastic fraction	Environmental	Waste	Generation	Mass of plastic waste	Quantitative	Micro, Meso
81	Reutilization and revalorization of plastic fraction	Environmental	Waste	Generation	Mass of reusable plastic	Quantitative	Micro, Meso
81	Reutilization and revalorization of plastic fraction	Environmental	Waste	Generation	Mass of sold plastic	Quantitative	Micro, Meso
81	Reutilization and revalorization of plastic fraction	Environmental	Waste	Generation	Number of reusable plastic bottles	Quantitative	Micro, Meso
81	Reutilization and revalorization of plastic fraction	Environmental	Waste	Generation	Quantity of plastic that can be reused in the form of bottles	Quantitative	Micro, Meso
81	composting	Environmental	Waste	Generation	Total biodegradable waste	Quantitative	Micro, Meso
81	composting	Environmental	Waste	Generation	Total urban solid waste	Quantitative	Micro, Meso
81	biogas production	Environmental	Waste	Generation	Total Urban Solid Waste	Quantitative	Meso, Macro
81	biogas production	Environmental	Energy	Production	Methane generation potential per ton of	Quantitative	Micro, Meso
81	biogas production	Environmental	Energy	Production	Biogas generated	Quantitative	Micro, Meso
81	biogas production	Environmental	Energy	Production	Energy obtained	Quantitative	Micro, Meso, Macro
81	biogas production	Environmental	Energy	Consumption	Energy consumed	Quantitative	Micro, Meso, Macro
81	Old tires	Economic	Supply Chain	Production Efficiency and Quality	Surface to be paved	Quantitative	Micro, Meso

81	Old tires	Technological		Product Design	Thickness of asphalt layer	Quantitative	Micro, Meso
82	sustainability of the circular economy	Circularity	Circularity Metrics and Indices	Reusability Metrics	Circular Material Use Rate	Quantitative	Micro, Meso, Macro
82	sustainability of the circular economy	Circularity	Circularity Metrics and Indices	Recyclability Metrics	Recycling rate of municipal waste	Quantitative	Micro, Meso, Macro
82	sustainability of the circular economy	Economic	Trade and Globalization	Trade	Trade in recycling materials	Quantitative	Macro
82	sustainability of the circular economy	Economic	Economic Development	GDP Indicators	GDP per capita growth	Quantitative	Macro
82	sustainability of the circular economy	Economic	Financial Performance Metrics	Efficiency and Investment Metrics	Real Labor Productivity	Quantitative	Meso, Macro
82	sustainability of the circular economy	Economic	Economic Development	Materials and Resource Efficiency Metrics	Resource productivity	Quantitative	Micro, Meso, Macro
82	sustainability of the circular economy	Legislation	Economic	Environmental tax	Environmental taxes	Quantitative	Macro
82	sustainability of the circular economy	Legislation	Environmental		Environmental taxes	Quantitative	Macro
83	Maturity of Circular Economy Practices	Environmental	Metrics and indices	Environmental Performance Metrics	Water reuse rate	Quantitative	Micro, Meso
83	Maturity of Circular Economy Practices	Environmental	Metrics and indices	Environmental Performance Metrics	Wood consumption per ton of produced	Quantitative	Micro, Meso
					Waste disposal in landfill per ton of		
83	Maturity of Circular Economy Practices	Environmental	Waste	Disposal and landfill	produced pulp and paper	Quantitative	Micro, Meso
					Solid waste destination per Total waste		
83	Maturity of Circular Economy Practices	Environmental	Waste	Generation	production	Quantitative	Micro, Meso
					CO2 emissions per ton of produced pulp		
83	Maturity of Circular Economy Practices	Environmental	Environmental Impacts	Carbon Emissions	and paper	Quantitative	Micro, Meso
					Residual water rejection per ton of		
83	Maturity of Circular Economy Practices	Environmental	Water	Quality and Treatment	produced pulp and paper	Quantitative	Micro, Meso
83	Maturity of Circular Economy Practices	Environmental	Energy	Consumption	Use of biofuels rate	Quantitative	Micro, Meso
					Energy consumption per ton of produced		
83	Maturity of Circular Economy Practices	Environmental	Energy	Consumption	pulp and paper	Quantitative	Micro, Meso
85	Circular economy	Circularity	Circularity Metrics and Indices	Recyclability Metrics	Recycling of biowaste	Quantitative	Micro, Meso, Macro
					Contribution of recycled materials to raw		
85	Circular economy	Circularity	Circularity Metrics and Indices	Recyclability Metrics	materials demand	Quantitative	Macro
85	Circular economy	Circularity	Circularity Metrics and Indices	Recyclability Metrics	Recycling rate of municipal waste	Quantitative	Micro, Meso, Macro
					Recycling rate of packaging waste by type		
85	Circular economy	Circularity	Circularity Metrics and Indices	Recyclability Metrics	of packaging	Quantitative	Micro, Meso, Macro
					Recycling rates (the share of waste which		
85	Circular economy	Circularity	Circularity Metrics and Indices	Recyclability Metrics	is recycled)	Quantitative	Micro, Meso, Macro
			Circular Business Models and				
85	Circular economy	Circularity	Practices	Business Models and strategies	Circular activities	Quantitative/Qualitative	Micro, Meso, Macro
85	Circular economy	Environmental	Material and resources	Consumption	Domestic material consumption per	Quantitative	Macro
85	Circular economy	Environmental	Waste	Generation	Food waste	Quantitative	Micro, Meso, Macro
85	Circular economy	Environmental	Waste	Generation	Generation of municipal waste per capita	Quantitative	Macro
					Generation of waste excluding major		
85	Circular economy	Environmental	Waste	Generation	mineral wastes	Quantitative	Macro
					Specific waste streams (packaging waste,		
85	Circular economy	Environmental	Waste	Generation	biowaste, e-waste, etc.)	Quantitative	Micro, Meso, Macro
85	Circular economy	Environmental	Waste	Generation	Waste generation	Quantitative	Micro, Meso, Macro
85	Circular economy	Environmental	Environmental Impacts	Global Warming and other Emissions	Energy and greenhouse gas emissions	Quantitative	Micro, Meso, Macro
85	Circular economy	Economic	Financial performance metrics	Profitability Metrics	Ratio of stock growth over consumption	Quantitative	Micro, Meso, Macro
					Trade of recyclable raw materials		
85	Circular economy	Economic	Trade and Globalization	Trade	between the EU	Quantitative	Macro
					Green public procurement (as an		
85	Circular economy	Economic	Costs and expences	Public and Governmental Costs	indicator for financing aspects)	Quantitative	Macro
					Private investments, jobs and gross value		
85	Circular economy	Economic	Economic Development	Private investment	added	Quantitative	Macro

85	Circular economy	Economic	Economic Development	Materials and Resource Efficiency Metrics	Resource productivity	Quantitative	Micro, Meso, Macro
85	Circular economy	Economic	Economic Development	Materials and Resource Efficiency Metrics	Resource productivity	Quantitative	Micro, Meso, Macro
85	Circular economy	Economic	Economic Development	Materials and Resource Efficiency Metrics	Self-sufficiency of raw materials for production in the EU	Quantitative	Micro, Meso, Macro
85	Circular economy	Technological		Patents and Intellectual Property	Patents related to recycling and secondary raw materials as a proxy for Life cycle greenhouse gas emissions and changes	Quantitative	Micro, Meso, Macro
86	Circular economy standard	Environmental	Metrics and indices	Environmental Performance Metrics		Analytic	Micro, Meso, Macro
86	Circular economy standard	Circularity	Circularity Metrics and Indices	Longevity and Durability Metrics	Lifetime of material in the anthroposphere	Quantitative	Micro, Meso, Macro
86	Circular economy standard	Circularity	Circularity Metrics and Indices	Recyclability Metrics	Ratio of recirculated economic value from EoL components over total product value	Quantitative	Micro, Meso
86	Circular economy standard	Circularity	Circularity Metrics and Indices	Recyclability Metrics	Recovery rates	Quantitative	Micro, Meso, Macro
86	Circular economy standard	Circularity	Circularity Metrics and Indices	Recyclability Metrics	Recycled content (RC)	Quantitative	Micro, Meso
86	Circular economy standard	Circularity	Circularity Metrics and Indices	Recyclability Metrics	Total restored products	Quantitative	Micro, Meso
86	Circular economy standard	Environmental	Metrics and indices	Environmental Performance Metrics	Resource footprint, or mineral depletion indicator	Quantitative	Micro, Meso, Macro
86	Circular economy standard	Environmental	Metrics and indices	Environmental Performance Metrics	Supply chain footprint of regenerative Water, land, material footprints, or a combination (footprint dashboard)	Quantitative/Qualitative	Micro, Meso, Macro
86	Circular economy standard	Environmental	Metrics and indices	Environmental Performance Metrics	Cumulative energy demand (CED), or cumulative exergy demand	Quantitative/Qualitative	Micro, Meso, Macro
86	Circular economy standard	Environmental	Energy	Consumption	Material Circularity Indicator (MCI), or anthropogenic lifetime of material in	Quantitative	Micro, Meso, Macro
86	Circular economy standard	Economic	Economic Development	Materials and Resource Efficiency Metrics	Material circularity indicator CIRC (actual cumulative service in percent of maximal service)	Quantitative	Micro, Meso
86	Circular economy standard	Economic	Economic Development	Materials and Resource Efficiency Metrics	Material stock per service (service generated by material in the use phase)	Quantitative	Micro, Meso
86	Circular economy standard	Economic	Financial performance metrics	Profitability Metrics	Per capita stock expansion	Quantitative	Macro
86	Circular economy standard	Economic	Supply Chain	Production Efficiency and Quality	Service generated by material consumption, serv/C, or Material input	Quantitative	Micro, Meso
86	Circular economy standard	Economic	Supply Chain	Supply Chain Risk and Assurance	Vulnerability to supply restriction and supply risk	Quantitative/Qualitative	Micro, Meso, Macro
86	Circular economy standard	Economic	Economic Development	Growth and Value Added	Circular economy index (CEI): material value (recycling) in percent of material value (new product)	Quantitative	Micro, Meso, Macro
86	Circular economy standard	Economic	Economic Development	Growth and Value Added	Value-based resource efficiency (VRE) (value added divided by energy and Primary production P, ratio of stock growth over primary production	Quantitative	Micro, Meso, Macro
86	Circular economy standard	Economic	Economic Development	Materials and Resource Efficiency Metrics	Quantity of material restored and its quality: Contamination, Tramp element	Quantitative	Micro, Meso
86	Circular economy standard	Economic	Economic Development	Materials and Resource Efficiency Metrics	What and how much primary resource does the circular economy activity	Quantitative	Micro, Meso, Macro
86	Circular economy standard	Economic	Economic Development	Materials and Resource Efficiency Metrics	What and how much primary resource does the circular economy activity	Quantitative	Micro, Meso, Macro
87	Circular economy	Circularity	Circularity Metrics and Indices	Circularity and performancd Indicators	Circularity	Quantitative/Qualitative	Micro, Meso, Macro
87	Circular economy	Circularity	Circularity Metrics and Indices	Longevity and Durability Metrics	Longevity	Quantitative/Qualitative	Micro, Meso
88	Circular Economy performance in products	Circularity	Circularity Metrics and Indices	Circularity and performancd Indicators	Circular Economy Index	Quantitative	Micro, Meso, Macro
88	Circular Economy performance in products	Circularity	Circularity Metrics and Indices	Circularity and performancd Indicators	Circular Economy Indicator Prototype	Composite	Micro, Meso, Macro

88	Circular Economy performance in products	Circularity	Circularity Metrics and Indices	Circularity and performancd Indicators	Circular Economy Performance Indicator	Quantitative/Qualitative	Micro, Meso, Macro
88	Circular Economy performance in products	Circularity	Circularity Metrics and Indices	Circularity and performancd Indicators	Circular Economy Toolkit	Quantitative/Qualitative	Micro, Meso, Macro
88	Circular economy	Circularity	Circularity Metrics and Indices	Circularity and performancd Indicators	Linear Flow Index for Product Families	Quantitative	Micro, Meso, Macro
88	Circular Economy performance in products	Circularity	Circularity Metrics and Indices	Circularity and performancd Indicators	Manufacturability	Quantitative/Qualitative	Micro, Meso
88	Circular Economy performance in products	Circularity	Circularity Metrics and Indices	Longevity and Durability Metrics	Durability	Quantitative/Qualitative	Micro, Meso
88	Circular economy	Circularity	Circularity Metrics and Indices	Functional Indices	Functional Indices	Quantitative/Qualitative	Micro, Meso
88	Circular economy	Circularity	Circularity Metrics and Indices	Functional Indices	Functional Range Index (FR)	Quantitative/Qualitative	Micro, Meso
88	Circular economy	Circularity	Circularity Metrics and Indices	Functional Indices	Functional Variety Index (FV)	Quantitative/Qualitative	Micro, Meso
88	Circular economy	Circularity	Circularity Metrics and Indices	Recyclability Metrics	Potential Recycle Index	Quantitative	Micro, Meso
88	Circular economy	Circularity	Circularity Metrics and Indices	Reusability Metrics	Potential Reuse Index	Quantitative	Micro, Meso
88	Circular Economy performance in products	Circularity	Circularity Metrics and Indices	Recoverability Metrics	Recoverability	Quantitative	Micro, Meso
88	Circular Economy performance in products	Circularity	Circularity Metrics and Indices	Recyclability Metrics	Recyclability	Quantitative	Micro, Meso
88	Circular Economy performance in products	Circularity	Circularity Metrics and Indices	Recyclability Metrics	Recyclability Benefit Rate	Quantitative	Micro, Meso
88	Circular Economy performance in products	Circularity	Circularity Metrics and Indices	Recyclability Metrics	Recycling content	Quantitative	Micro, Meso
88	Circular Economy performance in products	Circularity	Circularity Metrics and Indices	Reusability Metrics	Refurbishability	Quantitative/Qualitative	Micro, Meso
88	Circular Economy performance in products	Circularity	Circularity Metrics and Indices	Reusability Metrics	Removability	Quantitative/Qualitative	Micro, Meso
88	Circular Economy performance in products	Circularity	Circularity Metrics and Indices	Reusability Metrics	Reparability	Quantitative/Qualitative	Micro, Meso
88	Circular Economy performance in products	Circularity	Circularity Metrics and Indices	Longevity and Durability Metrics	Resource Duration	Quantitative	Micro, Meso
88	Circular Economy performance in products	Circularity	Circularity Metrics and Indices	Reusability Metrics	Reusability	Quantitative	Micro, Meso
88	Circular Economy performance in products	Circularity	Circularity Metrics and Indices	Reusability Metrics	The proportion of re-used parts	Quantitative	Micro, Meso
88	Circular Economy performance in products	Circularity	Circularity Metrics and Indices	Reusability Metrics	Use of critical raw material	Quantitative	Micro, Meso
88	Circular economy	Circularity	Circularity Metrics and Indices	Circularity and performancd Indicators	Reconfiguration Index (RI)	Quantitative/Qualitative	Micro, Meso
88	Circular Economy performance in products	Circularity	Circularity Metrics and Indices	Circularity and performancd Indicators	Upgradability	Quantitative/Qualitative	Micro, Meso
88	Circular Economy performance in products	Economic	Economic Development	Materials and Resource Efficiency Metrics	Material Circularity Index	Quantitative	Micro, Meso, Macro
88	Circular Economy performance in products	Economic	Economic Development	Growth and Value Added	Circularity Metric based on economic value of parts	Quantitative	Micro, Meso, Macro
89	Circular economy	Environmental	Metrics and indices	Environmental Performance Metrics	Indicator of technological nutrient performance for the recovered sludge	Quantitative	Micro, Meso
89	Circular economy	Environmental	Metrics and indices	Environmental Performance Metrics	Indicator of technological nutrient performance for water	Quantitative	Micro, Meso
89	Circular economy	Circularity	Circularity Metrics and Indices	Circularity and performancd Indicators	Productive indicator of circular economy efficiency for sludge	Quantitative	Micro, Meso
89	Circular economy	Circularity	Circularity Metrics and Indices	Circularity and performancd Indicators	Productive indicator of circular economy efficiency for water	Quantitative	Micro, Meso
89	Circular economy	Circularity	Circularity Metrics and Indices	Circularity and performancd Indicators	Reductive indicator of circular economy efficiency for sludge	Quantitative	Micro, Meso
89	Circular economy	Circularity	Circularity Metrics and Indices	Circularity and performancd Indicators	Reductive indicator of circular economy efficiency for water	Quantitative	Micro, Meso
90	Circular economy	Circularity	Circularity Metrics and Indices	Reusability Metrics	Circular material use rate	Quantitative	Micro, Meso, Macro
90	Circular economy	Economic	Trade and Globalization	Trade	Trade in recyclable raw materials	Quantitative	Macro
90	Circular economy	Economic	Investment	R&D and Innovation Investments	R&D expenditure	Quantitative	Micro, Meso, Macro
90	Circular economy	Economic	Economic Development	Materials and Resource Efficiency Metrics	Resource productivity and domestic material consumption	Quantitative	Micro, Meso, Macro
90	Circular economy	Legislation	Economic	Environmental tax	Environmental taxes	Quantitative	Macro
90	Circular economy	Legislation	Environmental		Environmental taxes	Quantitative	Macro
91	Circular economy	Circularity	Circularity Metrics and Indices	Recoverability Metrics	Dust recovery rate	Quantitative	Micro, Meso
91	Circular economy	Circularity	Circularity Metrics and Indices	Recoverability Metrics	Solid waste comprehensive utilization	Quantitative	Micro, Meso, Macro
91	Circular economy	Circularity	Circularity Metrics and Indices	Recoverability Metrics	Solid waste recovery rate	Quantitative	Micro, Meso, Macro

91	Circular economy	Circularity	Circularity Metrics and Indices	Recoverability Metrics	Solid waste recycling rate	Quantitative	Micro, Meso, Macro
91	Circular economy	Circularity	Circularity Metrics and Indices	Recoverability Metrics	Soot recovery rate	Quantitative	Micro, Meso
91	Circular economy	Circularity	Circularity Metrics and Indices	Recoverability Metrics	Sulfur dioxide recovery	Quantitative	Micro, Meso
91	Circular economy	Environmental	Material and resources	Consumption	Petrochemical industry yuan industrial output value of resource consumption	Quantitative	Macro
91	Circular economy	Environmental	Waste	Treatment and Management	Comprehensive utilization of solid waste	Quantitative	Micro, Meso
91	Circular economy	Environmental	Waste	Disposal and landfill	Industrial waste final disposal change rate	Quantitative	Micro, Meso
91	Circular economy	Environmental	Environmental Impacts	Global Warming and other Emissions	Exhaust emissions	Quantitative	Micro, Meso, Macro
91	Circular economy	Environmental	Environmental Impacts	Global Warming and other Emissions	Industrial dust emissions	Quantitative	Micro, Meso, Macro
91	Circular economy	Environmental	Environmental Impacts	Global Warming and other Emissions	Sulfur dioxide emissions	Quantitative	Micro, Meso, Macro
91	Circular economy	Environmental	Water	Quality and Treatment	Wastewater discharge compliance rate	Quantitative	Micro, Meso
91	Circular economy	Environmental	Energy	Consumption	Coal consumption	Quantitative	Micro, Meso, Macro
91	Circular economy	Environmental	Energy	Consumption	Electricity consumption	Quantitative	Micro, Meso, Macro
91	Circular economy	Environmental	Energy	Consumption	Natural gas consumption	Quantitative	Micro, Meso, Macro
91	Circular economy	Environmental	Energy	Consumption	Total energy consumption	Quantitative	Micro, Meso, Macro
91	Circular economy	Environmental	Energy	Intensity	Unit benzene production Crude oil consumption	Quantitative	Micro
91	Circular economy	Environmental	Energy	Intensity	Unit Diesel Production Crude Oil	Quantitative	Micro
91	Circular economy	Environmental	Energy	Intensity	Unit Ethylene production Crude oil consumption	Quantitative	Micro
91	Circular economy	Environmental	Energy	Intensity	Unit petrol production crude oil	Quantitative	Micro
91	Circular economy	Environmental	Energy	Intensity	Unit plastic resin production Crude oil consumption	Quantitative	Micro
91	Circular economy	Technological		Agricultural and Industrial Equipment	Crude oil processing capacity	Quantitative	Macro
92	Circular economy strategies	Circularity	Circularity Metrics and Indices	Longevity and Durability Metrics	Increasing the value durability of products	Quantitative/Qualitative	Micro, Meso, Macro
92	Circular economy strategies	Circularity	Circularity Metrics and Indices	Reducability Metrics	Reducing input and use of natural	Quantitative/Qualitative	Micro, Meso, Macro
92	Circular economy strategies	Circularity	Circularity Metrics and Indices	Reducability Metrics	Reducing valuable material losses	Quantitative/Qualitative	Micro, Meso, Macro
92	Circular economy strategies	Environmental	Environmental Impacts	Global Warming and other Emissions	Reducing emissions	Quantitative/Qualitative	Micro, Meso, Macro
92	Circular economy strategies	Environmental	Environmental Impacts	Resource Depletion and Efficiency	Increasing share of renewable and recyclable resources	Quantitative	Micro, Meso, Macro
93	Circular economy	Circularity	Circularity Metrics and Indices	Circularity and performancd Indicators	Circular economy performance indicator	Quantitative/Qualitative	Micro, Meso, Macro
95	Eco-innovations	Environmental	Metrics and indices	Waste Management Metrics	Number of companies with "zero waste" program	Quantitative	Meso, Macro
95	Eco-innovations	Circularity	Circularity Metrics and Indices	Recyclability Metrics	Recycled industrial waste (amount of waste/person)	Quantitative	Micro, Meso
95	Eco-innovations	Circularity	Circularity Metrics and Indices	Recyclability Metrics	Recycled municipal waste (amount of waste/person)	Quantitative	Micro, Meso
95	Eco-innovations	Environmental	Waste	Generation	Generated industrial waste (amount of waste/ person)	Quantitative	Macro
95	Eco-innovations	Environmental	Waste	Generation	Generated municipal waste (amount of waste/ person)	Quantitative	Macro
95	Eco-innovations	Environmental	Environmental Impacts	Global Warming and other Emissions	GHG emissions intensity (CO2e/GDP)	Quantitative	Macro
95	Eco-innovations	Environmental	Environmental Impacts	Global Warming and other Emissions	GHG emissions intensity (CO2e/regional	Quantitative	Macro
95	Eco-innovations	Environmental	Water	Efficiency and productivity	Water productivity (GDP/Water Footprint)	Quantitative	Macro
95	Eco-innovations	Environmental	Water	Efficiency and productivity	Water productivity (regional GDP/Water Footprint of region)	Quantitative	Macro
95	Eco-innovations	Environmental	Energy	Efficiency and productivity	Energy productivity (GDP/gross inland energy consumption)	Quantitative	Macro

95	Eco-innovations	Environmental	Energy	Efficiency and productivity	Energy productivity (regional GDP/gross inland energy consumption of region)	Quantitative	Macro
95	Eco-innovations	Economic	Economic Development	Materials and Resource Efficiency Metrics	Material productivity (GDP/Domestic Material Consumption)	Quantitative	Micro, Meso, Macro
95	Eco-innovations	Economic	Economic Development	Materials and Resource Efficiency Metrics	Material productivity (regional GDP/Domestic Material Consumption of Exports of products from eco-industries (% of total exports)	Quantitative	Micro, Meso, Macro
95	Eco-innovations	Economic	Trade and Globalization	Export	Revenue in eco-industries and circular economy (% of total revenue across all companies of region)	Quantitative	Macro
95	Eco-innovations	Economic	Economic Development	Sectoral and Regional Development	Revenue in eco-industries and the circular economy (% of total revenue across all companies)	Quantitative	Meso, Macro
95	Eco-innovations	Economic	Economic Development	Sectoral and Regional Development	Government's environmental and energy R&D appropriations and outlays (% of Regional total value of green early stage investments (EURO per capita)	Quantitative	Meso, Macro
95	Eco-innovations	Economic	Investment	R&D and Innovation Investments	Regional authorities environmental and energy R&D for CE appropriations and outlays (% of GDP)	Quantitative	Macro
95	Eco-innovations	Economic	Investment	Green and Sustainable Investments	Total R&D personnel and researchers (% of total employment)	Quantitative	Meso, Macro
95	Eco-innovations	Economic	Investment	Green and Sustainable Investments	Total value of early stage green investments (USD /capita)	Quantitative	Meso, Macro
95	Eco-innovations	Economic	Investment	Green and Sustainable Investments	Employment in eco-industries and circular economy (% of total employment across all companies of region)	Quantitative	Meso, Macro
95	Eco-innovations	Social	Job Creation and Supply Chain	Job Creation and employment	Employment in eco-industries and the circular economy (% of total employment across all companies)	Quantitative	Macro
95	Eco-innovations	Social	Job Creation and Supply Chain	Job Creation and employment	Eco-innovation related academic publications (per mln population)	Quantitative	Macro
95	Eco-innovations	Technological		Eco-Innovation and Circular Economy	Eco-innovation related media coverage (per numbers of electronic media)	Quantitative	Macro
95	Eco-innovations	Technological		Eco-Innovation and Circular Economy	Eco-innovation related patents (per mln population)	Quantitative	Macro
95	Eco-innovations	Technological		Eco-Innovation and Circular Economy	Firms having implemented CE–eco-innovation activities aiming at an increase of material recycling (% of total firms in the region)	Quantitative	Meso, Macro
95	Eco-innovations	Technological		Eco-Innovation and Circular Economy	Firms having implemented CE–eco-innovation activities aiming at a reduction of material input per unit output (% of total firms in the region)	Quantitative	Meso, Macro
95	Eco-innovations	Technological		Eco-Innovation and Circular Economy	Firms having implemented innovation activities aimed at a reduction of energy input per unit output (% of total firms)	Quantitative	Meso, Macro

95	Eco-innovations	Technological		Eco-Innovation and Circular Economy	Firms having implemented innovation activities aimed at a reduction of material input per unit output (% of total firms)	Quantitative	Meso, Macro
95	Eco-innovations	Technological		Eco-Innovation and Circular Economy	ISO 14001 registered organisations (per mln population)	Quantitative	Macro
95	Eco-innovations	Technological		Eco-Innovation and Circular Economy	Life cycle assessment of enterprises activity (amount companies with LCA reports per regions)	Quantitative	Micro, Meso
102	Iron and steel industry	Environmental	Metrics and indices	Environmental Performance Metrics	Environmental friend product purchase	Qualitative	Micro
102	Iron and steel industry	Circularity	Circularity Metrics and Indices	Circularity and performancd Indicators	Mechanization disassembly ratio	Quantitative	Micro, Meso
102	Iron and steel industry	Circularity	Circularity Metrics and Indices	Circularity and performancd Indicators	Modularization disassembly ratio	Quantitative	Micro, Meso
102	Iron and steel industry	Circularity	Circularity Metrics and Indices	Reusability Metrics	Coal fly ash reuse	Quantitative	Micro, Meso
102	Iron and steel industry	Circularity	Circularity Metrics and Indices	Reusability Metrics	Coal gas reuse	Quantitative	Micro, Meso
102	Iron and steel industry	Circularity	Circularity Metrics and Indices	Reusability Metrics	Components and parts remanufacturing	Quantitative	Micro, Meso
102	Iron and steel industry	Circularity	Circularity Metrics and Indices	Reusability Metrics	Components and parts reuse	Quantitative	Micro, Meso
102	Iron and steel industry	Circularity	Circularity Metrics and Indices	Reusability Metrics	Iron dust reuse	Quantitative	Micro, Meso
102	Iron and steel industry	Circularity	Circularity Metrics and Indices	Recoverability Metrics	Ore dressing iron recovery rate	Quantitative	Micro, Meso
102	Iron and steel industry	Circularity	Circularity Metrics and Indices	Recoverability Metrics	Ore mining recovery rate	Quantitative	Micro, Meso
102	Iron and steel industry	Circularity	Circularity Metrics and Indices	Reusability Metrics	Ore tailings reuse	Quantitative	Micro, Meso
102	Iron and steel industry	Circularity	Circularity Metrics and Indices	Recoverability Metrics	Residual heat recovery	Quantitative	Micro, Meso
102	Iron and steel industry	Circularity	Circularity Metrics and Indices	Recoverability Metrics	Residual pressure recovery	Quantitative	Micro, Meso
102	Iron and steel industry	Circularity	Circularity Metrics and Indices	Reusability Metrics	Scrap tire reuse	Quantitative	Micro, Meso
102	Iron and steel industry	Circularity	Circularity Metrics and Indices	Reusability Metrics	Scrape reuse	Quantitative	Micro, Meso
102	Iron and steel industry	Circularity	Circularity Metrics and Indices	Reusability Metrics	Smelting waste residue reuse	Quantitative	Micro, Meso
102	Iron and steel industry	Circularity	Circularity Metrics and Indices	Reusability Metrics	Waste iron and steel reuse	Quantitative	Micro, Meso, Macro
102	Iron and steel industry	Circularity	Circularity Metrics and Indices	Reusability Metrics	Waste oil reuse	Quantitative	Micro, Meso
102	Iron and steel industry	Circularity	Circularity Metrics and Indices	Reusability Metrics	Waste water reuse	Quantitative	Micro, Meso, Macro
102	Iron and steel industry	Circularity	Circularity Metrics and Indices	Recoverability Metrics	Coke ratio in converter	Quantitative	Micro
102	Iron and steel industry	Circularity	Circularity Metrics and Indices	Reusability Metrics	Industrial water reuse	Quantitative	Micro, Meso
102	Iron and steel industry	Circularity	Circularity Metrics and Indices	Circularity and performancd Indicators	Product upgrade and reuse	Quantitative/Qualitative	Micro, Meso
102	Iron and steel industry	Environmental	Metrics and indices	Environmental Performance Metrics	Vehicle acceptance rate one-time test	Quantitative	Micro
102	Iron and steel industry	Environmental	Material and resources	Quality	Iron ore concentrate grade	Quantitative	Micro
102	Iron and steel industry	Environmental	Material and resources	Quality	The lowest grade of optional iron ore	Quantitative	Micro
102	Iron and steel industry	Environmental	Material and resources	Consumption	Metal material consumption in converter	Quantitative	Micro
102	Iron and steel industry	Environmental	Energy	Intensity	Steel consumption per 10,000 Yuan output value	Quantitative	Micro
102	Iron and steel industry	Environmental	Waste	Generation	Discharged volume of solid waste unit	Quantitative	Micro
102	Iron and steel industry	Environmental	Waste	Efficiency	Waste product reduction from assemble	Quantitative	Micro
102	Iron and steel industry	Environmental	Environmental Impacts	Global Warming and other Emissions	Emission volume of waste gas unit	Quantitative	Micro
102	Iron and steel industry	Environmental	Waste	Treatment and Management	Discharged volume of wastewater unit	Quantitative	Micro
102	Iron and steel industry	Environmental	Water	Consumption	Fresh water consumption unit ton steel	Quantitative	Micro
102	Iron and steel industry	Environmental	Water	Consumption	Iron ore concentrate production water consumption	Quantitative	Micro
102	Iron and steel industry	Environmental	Energy	Consumption	Coal consumption in blast furnace	Quantitative	Micro
102	Iron and steel industry	Environmental	Energy	Intensity	Green energy ratio	Quantitative	Micro, Meso, Macro
102	Iron and steel industry	Environmental	Energy	Intensity	Assemble electricity consumption per Energy consumption per 10,000 Yuan	Quantitative	Micro
102	Iron and steel industry	Environmental	Energy	Intensity	output value	Quantitative	Micro



102	Iron and steel industry	Environmental	Energy	Intensity	Iron ore concentrate production energy consumption	Quantitative	Micro
102	Iron and steel industry	Environmental	Energy	Intensity	Energy consumption per 10,000 Yuan output value	Quantitative	Micro
102	Iron and steel industry	Environmental	Energy	Intensity	Energy consumption unit product	Quantitative	Micro
102	Iron and steel industry	Environmental	Energy	Intensity	Energy consumption unit ton steel	Quantitative	Micro
102	Iron and steel industry	Economic	Economic Development	Materials and Resource Efficiency Metrics	Renewable material proportion	Quantitative	Micro, Meso
102	Iron and steel industry	Technological		Product Design	Product design for disassembly	Quantitative/Qualitative	Micro, Meso
103	Industrial park	Circularity	Circularity Metrics and Indices	Reusability Metrics	Industrial water reuse ratio	Quantitative	Micro, Meso
103	Industrial park	Circularity	Circularity Metrics and Indices	Recyclability Metrics	Recycling rate of industrial solid waste	Quantitative	Micro, Meso, Macro
103	Circular economy	Circularity	Circularity Metrics and Indices	Recyclability Metrics	Recycling rate of iron scrap	Quantitative	Micro, Meso, Macro
103	Circular economy	Circularity	Circularity Metrics and Indices	Recyclability Metrics	Recycling rate of non-ferrous metal	Quantitative	Micro, Meso, Macro
103	Circular economy	Circularity	Circularity Metrics and Indices	Recyclability Metrics	Recycling rate of plastic	Quantitative	Micro, Meso, Macro
					Recycling rate of reclaimed municipal wastewater		
103	Circular economy	Circularity	Circularity Metrics and Indices	Recyclability Metrics		Quantitative	Micro, Meso, Macro
103	Circular economy	Circularity	Circularity Metrics and Indices	Recyclability Metrics	Recycling rate of rubber	Quantitative	Micro, Meso, Macro
103	Circular economy	Circularity	Circularity Metrics and Indices	Recyclability Metrics	Recycling rate of waste paper	Quantitative	Micro, Meso, Macro
103	Industrial park	circularity	Circularity Metrics and Indices	Longevity and Durability Metrics	Durability of product	Quantitative/Qualitative	Micro, Meso, Macro
103	Circular economy	Economic	Economic Development	Materials and Resource Efficiency Metrics	Industrial water reuse ratio	Quantitative	Micro, Meso
103	Circular economy	Environmental	Waste	Treatment and Management	Safe treatment rate of domestic solid waste	Quantitative	Micro, Meso, Macro
					Total amount of industrial solid waste for final disposal		
103	Circular economy	Environmental	Waste	Disposal and landfill		Quantitative	Micro, Meso
103	Industrial park	Environmental	Environmental Impacts	Global Warming and other Emissions	Total amount of SO2 emission	Quantitative	Micro, Meso, Macro
103	Circular economy	Environmental	Water	Quality and Treatment	Total amount of COD discharge	Quantitative	Micro, Meso, Macro
					Total amount of industrial wastewater discharge		
103	Industrial park	Environmental	Waste	Treatment and Management		Quantitative	Micro, Meso, Macro
					Total amount of industrial wastewater discharge		
103	Circular economy	Environmental	Waste	Treatment and Management		Quantitative	Micro, Meso, Macro
103	Circular economy	Environmental	Water	Consumption	Coefficient of irrigation water utilization	Quantitative	Micro, Meso
103	Circular economy	Environmental	Water	Consumption	Water consumption per unit key product	Quantitative	Micro, Meso
					Water consumption per unit product in key industrial sectors		
103	Industrial park	Environmental	Water	Consumption		Quantitative	Micro, Meso
					Water consumption per unit industrial production value		
103	Circular economy	Environmental	Water	Consumption		Quantitative	Micro, Meso
103	Circular economy	Environmental	Water	Consumption	Water withdrawal per added industrial	Quantitative	Micro, Meso
103	Circular economy	Environmental	Water	Consumption	Water withdrawal per unit of GDP	Quantitative	Macro
103	Circular economy	Environmental	Energy	Efficiency and productivity	Output of energy	Quantitative	Micro, Meso
103	Industrial park	Environmental	Energy	Efficiency and productivity	Output of energy	Quantitative	Micro, Meso
103	Industrial park	Environmental	Energy	Intensity	Energy consumption per unit key product	Quantitative	Micro, Meso
					Energy consumption per unit product in key industrial sectors		
103	Circular economy	Environmental	Energy	Intensity		Quantitative	Micro, Meso
103	Circular economy	Environmental	Energy	Intensity	Energy consumption per added industrial	Quantitative	Micro, Meso
103	Circular economy	Environmental	Energy	Intensity	Energy consumption per unit GDP	Quantitative	Macro
					Energy consumption per unit industrial production value		
103	Industrial park	Environmental	Energy	Intensity		Quantitative	Micro, Meso
103	Industrial park	Economic	Economic Development	Materials and Resource Efficiency Metrics	Output of main mineral resource	Quantitative	Micro, Meso, Macro
103	Industrial park	Economic	Economic Development	Materials and Resource Efficiency Metrics	Output of water resource	Quantitative	Micro, Meso, Macro
103	Industrial park	Economic	Supply Chain	Production Efficiency and Quality	Output of land	Quantitative	Micro, Meso

104	Circular economy transition	Circularity	Circular Business Models and Practices	Consumer Awareness	Consumers awareness about remanufacturing benefits	Quantitative/Qualitative	Micro, Meso
104	Circular economy transition	Circularity	Circular Business Models and Practices	Consumer Awareness	Consumers awareness about reuse benefits	Quantitative/Qualitative	Micro, Meso
104	Circular economy transition	Circularity	Circularity Metrics and Indices	Recoverability Metrics	Energy recoverability benefit rate	Quantitative/Qualitative	Micro, Meso
104	Circular economy transition	Circularity	Circularity Metrics and Indices	Recoverability Metrics	Energy recovery	Quantitative	Micro, Meso, Macro
104	Circular economy transition	Circularity	Circularity Metrics and Indices	Recoverability Metrics	Hazardous waste diverted from disposal	Quantitative	Micro, Meso, Macro
104	Circular economy transition	Circularity	Circularity Metrics and Indices	Recoverability Metrics	Non-hazardous waste diverted from	Quantitative	Micro, Meso, Macro
104	Circular economy transition	Circularity	Circularity Metrics and Indices	Recyclability Metrics	Non-virgin material consumption (%)	Quantitative	Micro, Meso, Macro
104	Circular economy transition	Circularity	Circularity Metrics and Indices	Recyclability Metrics	Overall recycling rates	Quantitative	Micro, Meso, Macro
104	Circular economy transition	Circularity	Circularity Metrics and Indices	Longevity and Durability Metrics	Product longevity extension	Quantitative/Qualitative	Micro, Meso
104	Circular economy transition	Circularity	Circularity Metrics and Indices	Longevity and Durability Metrics	Raw materials input	Quantitative/Qualitative	Micro, Meso
104	Circular economy transition	Circularity	Circularity Metrics and Indices	Reusability Metrics	Products repair	Quantitative	Micro, Meso
104	Circular economy transition	Circularity	Circularity Metrics and Indices	Reusability Metrics	Products successfully refurbished	Quantitative	Micro, Meso
104	Circular economy transition	Circularity	Circularity Metrics and Indices	Reusability Metrics	Quantity of the total refurbished parts (or components)	Quantitative	Micro, Meso
104	Circular economy transition	Circularity	Circularity Metrics and Indices	Reusability Metrics	Recycling rate for specific waste streams	Quantitative	Micro, Meso
104	Circular economy transition	Circularity	Circularity Metrics and Indices	Recyclability Metrics	Reclaimed products	Quantitative	Micro, Meso, Macro
104	Circular economy transition	Circularity	Circularity Metrics and Indices	Reusability Metrics	Reclaimed products - (% product take-	Quantitative	Micro, Meso
104	Circular economy transition	Circularity	Circularity Metrics and Indices	Reusability Metrics	Reduction of waste generation	Quantitative	Micro, Meso
104	Circular economy transition	Circularity	Circularity Metrics and Indices	Reducability Metrics	Reuse rate	Quantitative	Micro, Meso, Macro
104	Circular economy transition	Circularity	Circularity Metrics and Indices	Reusability Metrics	Reduction of waste intensity – material	Quantitative	Micro, Meso, Macro
104	Circular economy transition	Circularity	Circularity Metrics and Indices	Reducability Metrics	Remanufactured content	Quantitative	Micro, Meso
104	Circular economy transition	Circularity	Circularity Metrics and Indices	Remanufacturing Metrics	Remanufactured products	Quantitative	Micro, Meso
104	Circular economy transition	Circularity	Circularity Metrics and Indices	Remanufacturing Metrics	Residual products	Quantitative	Micro, Meso
104	Circular economy transition	Circularity	Circularity Metrics and Indices	Recoverability Metrics	Secondary raw materials	Quantitative	Micro, Meso
104	Circular economy transition	Circularity	Circularity Metrics and Indices	Recyclability Metrics	Substitution of non-renewable raw	Quantitative	Micro, Meso, Macro
104	Circular economy transition	Circularity	Circular Business Models and Practices	Policy and Regulatory Compliance	Substitution of non-virgin content	Quantitative/Qualitative	Micro, Meso, Macro
104	Circular economy transition	Circularity	Circular Business Models and Practices	Business Models and strategies	Refurbish sales	Qualitative	Micro, Meso, Macro
104	Circular economy transition	Circularity	Circularity Metrics and Indices	Reusability Metrics	Remanufacturing business sales (%)	Quantitative	Micro, Meso
104	Circular economy transition	Circularity	Circularity Metrics and Indices	Remanufacturing Metrics	Repair business model	Quantitative	Micro, Meso
104	Circular economy transition	Circularity	Circular Business Models and Practices	Business Models and strategies	Reuse business model	Qualitative	Micro, Meso
104	Circular economy transition	Circularity	Circular Business Models and Practices	Business Models and strategies	Shared use	Qualitative	Micro, Meso
104	Circular economy transition	Circularity	Circular Business Models and Practices	Business Models and strategies	Transitioning to and applying new circular business models	Qualitative	Micro, Meso
104	Circular economy transition	Circularity	Circular Business Models and Practices	Business Models and strategies	Product take-back	Qualitative	Micro, Meso, Macro
104	Circular economy transition	Circularity	Circularity Metrics and Indices	Recyclability Metrics	Recycling Rate	Quantitative	Micro, Meso, Macro
104	Circular economy transition	Economic	Economic Development	Materials and Resource Efficiency Metrics	Extension of producer responsibility or product stewardship	Quantitative/Qualitative	Micro, Meso, Macro
104	Circular economy transition	Economic	Economic Development	Materials and Resource Efficiency Metrics	Improving materials selection	Quantitative/Qualitative	Micro, Meso
104	Circular economy transition	Environmental	Material and resources	Consumption	Reduction of materials consumption	Quantitative	Micro, Meso, Macro
104	Circular economy transition	Environmental	Environmental Impacts	Ecotoxicity	Substitution of hazardous substances	Quantitative/Qualitative	Micro, Meso

					Total weight of hazardous waste directed		
104	Circular economy transition	Environmental	Waste	Disposal and landfill	to a disposal	Quantitative	Micro, Meso
104	Circular economy transition	Environmental	Waste	Disposal and landfill	Total waste diverted from disposal	Quantitative	Micro, Meso, Macro
					Total weight of non-hazardous waste		
104	Circular economy transition	Environmental	Waste	Disposal and landfill	directed to a disposal	Quantitative	Micro, Meso
104	Circular economy transition	Environmental	Waste	Disposal and landfill	Waste diversion from landfills	Quantitative	Micro, Meso, Macro
104	Circular economy transition	Environmental	Waste	Generation	Waste generation	Quantitative	Micro, Meso, Macro
104	Circular economy transition	Environmental	Water	Consumption	Water consumption reduction	Quantitative	Micro, Meso, Macro
104	Circular economy transition	Environmental	Water	Efficiency and Productivity	Water intensity reduction	Quantitative	Micro, Meso, Macro
104	Circular economy transition	Environmental	Water	Efficiency and Productivity	Water intensity reduction	Quantitative	Micro, Meso, Macro
104	Circular economy transition	Environmental	Energy	Efficiency and productivity	Substitution of non-renewable energy	Quantitative/Qualitative	Micro, Meso, Macro
104	Circular economy transition	Environmental	Energy	Efficiency and productivity	Reduction of energy	Quantitative	Micro, Meso, Macro
104	Circular economy transition	Environmental	Energy	Intensity	Reduction of energy intensity	Quantitative	Micro, Meso, Macro
104	Circular economy transition	Economic	Economic Development	Materials and Resource Efficiency Metrics	New materials required	Quantitative	Micro, Meso
104	Circular economy transition	Economic	Economic Development	Materials and Resource Efficiency Metrics	Potential use during lifetime	Quantitative/Qualitative	Micro, Meso
104	Circular economy transition	Economic	Economic Development	Materials and Resource Efficiency Metrics	Products directed to reuse	Quantitative	Micro, Meso, Macro
					Reverse logistics processes to divert		
104	Circular economy transition	Economic	Economic Development	Materials and Resource Efficiency Metrics	products and materials from disposal	Quantitative	Micro, Meso
			Community and Society		Engaging with consumers to raise		
104	Circular economy transition	Social	Empowerment	Social Participation and Empowerment	awareness about refurbishment	Quantitative/Qualitative	Micro, Meso
			Community and Society		Engaging with consumers to raise		
104	Circular economy transition	Social	Empowerment	Social Participation and Empowerment	awareness about repair advantages	Quantitative/Qualitative	Micro, Meso
104	Circular economy transition	Technological		Product Design	Design for disassembly (modularity)	Quantitative	Micro, Meso
					Input materials or design characteristics		
104	Circular economy transition	Technological		Product Design	of outputs that limit or prevent their		
104	Circular economy transition	Technological		Product Design	recovery or limit the length of their life	Quantitative/Qualitative	Micro, Meso
106	Circular economy development	Environmental	Metrics and indices	Environmental Performance Metrics	Retrofitting	Quantitative	Micro, Meso
106	Circular economy development	Circularity	Circularity Metrics and Indices	Recyclability Metrics	Separated Waste	Quantitative	Micro, Meso, Macro
106	Circular economy development	Circularity	Circularity Metrics and Indices	Recyclability Metrics	Green Roofs	Quantitative	Micro, Meso
106	Circular economy development	Circularity	Circularity Metrics and Indices	Circularity and performancd Indicators	Audit rate of cleaner production (%)	Quantitative	Micro, Meso
106	Circular economy development	Environmental	Metrics and indices	Environmental Performance Metrics	Synergies	Quantitative	Micro, Meso
106	Circular economy development	Environmental	Metrics and indices	Environmental Performance Metrics	Very Degraded Buildings	Quantitative	Micro, Meso
106	Circular economy development	Environmental	Waste	Treatment and Management	Food Waste Treated	Quantitative	Micro, Meso
106	Circular economy development	Environmental	Waste	Treatment and Management	Food Waste Treated in SMEs	Quantitative	Micro, Meso
106	Circular economy development	Environmental	Waste	Disposal and landfill	Landfilled Waste	Quantitative	Micro, Meso, Macro
106	Circular economy development	Environmental	Water	Management and stress	Safe Water Accessibility	Quantitative/Qualitative	Micro, Meso, Macro
106	Circular economy development	Environmental	Water	Efficiency and Productivity	Water Efficiency	Quantitative	Micro, Meso, Macro
106	Circular economy development	Environmental	Energy	Accessibility	Access to Electricity	Quantitative/Qualitative	Micro, Meso
106	Circular economy development	Environmental	Energy	Intensity	Renewable Penetration	Quantitative	Micro, Meso, Macro
106	Circular economy development	Environmental	Energy	Potentials	Solar Potential	Quantitative/Qualitative	Micro, Meso, Macro
106	Circular economy development	Environmental	Energy	Potentials	Wind Potential	Quantitative/Qualitative	Micro, Meso, Macro
					Electrical Energy Consumed in the		
106	Circular economy development	Environmental	Energy	Consumption	Transport Sector	Quantitative	Micro, Meso
106	Circular economy development	Environmental	Energy	Intensity	Energy Intensity	Quantitative	Micro, Meso, Macro
106	Circular economy development	Economic	Trade and Globalization	Trade	Imports/Exports	Quantitative	Macro
106	Circular economy development	Social	Welfare	Equity and Equality	Balance between Men & Women	Quantitative	Micro, Meso, Macro
106	Circular economy development	Social	Welfare	Training and Development	Basic Education Quitting	Quantitative	Micro, Meso
106	Circular economy development	Social	Societal Influence	Accessibility and Inclusion	Public Transport Usage	Quantitative	Micro, Meso, Macro

106	Circular economy development	Social	Governance and Ethics	Human Rights	Man–Woman Balance in Politics	Quantitative	Micro, Meso, Macro
106	Circular economy development	Social	Job Creation and Supply Chain	Job Creation and Employment	Active Population	Quantitative	Micro, Meso, Macro
106	Circular economy development	Social	Societal Influence	Accessibility and Inclusion	Accessibility to Smartphones	Quantitative	Micro, Meso, Macro
			Community and Society				
106	Circular economy development	Social	Empowerment	Other	Heaviest Age Group	Quantitative	Micro, Meso
106	Circular economy development	Social	Welfare	Training and Development	Superior Course	Quantitative/Qualitative	Micro, Meso
				Technological Advancement and			
106	Circular economy development	Technological		Innovation Capacity	CE Innovation Budget	Quantitative	Micro, Meso, Macro
107	Urban circular economy development	Environmental	Metrics and indices	Environmental Performance Metrics	Ratio of Industrial Solid Wastes Utilized	Quantitative	Micro, Meso
107	Urban circular economy development	Circularity	Circularity Metrics and Indices	Circularity and performancd Indicators	City restaurant waste recycling rate (%)	Quantitative	Micro, Meso
107	Urban circular economy development	Circularity	Circularity Metrics and Indices	Recyclability Metrics	Creative culture of CE (Yes or No)	Quantitative	Micro, Meso
			Circular Business Models and		Comprehensive utilization rate of		
107	Urban circular economy development	Circularity	Practices	Business Models and strategies	industrial solid waste (%)	Qualitative	Micro, Meso
107	Urban circular economy development	Circularity	Circularity Metrics and Indices	Recoverability Metrics	Construction waste recovery rate (%)	Quantitative	Micro, Meso, Macro
					Fecal resource utilization of livestock and		
107	Urban circular economy development	Circularity	Circularity Metrics and Indices	Recoverability Metrics	poultry farms (%)	Quantitative	Micro, Meso, Macro
107	Urban circular economy development	Circularity	Circularity Metrics and Indices	Recoverability Metrics	Industrial water recycling rate (%)	Quantitative	Micro, Meso
					Recovery rate of major renewable		
107	Urban circular economy development	Circularity	Circularity Metrics and Indices	Recyclability Metrics	resources (%)	Quantitative	Micro, Meso, Macro
107	Urban circular economy development	Circularity	Circularity Metrics and Indices	Recoverability Metrics	Resource productivity (yuan/ton)	Quantitative	Micro, Meso, Macro
					Harmless treatment rate of urban		
107	Urban circular economy development	Environmental	Waste	Treatment and Management	municipal garbage (%)	Quantitative	Micro, Meso, Macro
107	Urban circular economy development	Environmental	Water	Consumption	Urban reclaimed water utilization rate (%)	Quantitative	Micro, Meso, Macro
107	Urban circular economy development	Environmental	Agriculture	Products and by-products	Utilization rate of crop straw (%)	Quantitative	Micro, Meso
					Utilization coefficient of agricultural		
107	Urban circular economy development	Environmental	Water	Consumption	irrigation water (%)	Quantitative	Micro, Meso
107	Urban circular economy development	Environmental	Water	Efficiency and productivity	Water resources productivity (yuan/ton)	Quantitative	Micro, Meso
107	Urban circular economy development	Environmental	Energy	Efficiency and productivity	Energy productivity (yuan/ton)	Quantitative	Micro, Meso
					Green products purchasing rate of		
107	Urban circular economy development	Economic	Costs and expences	Public and Governmental Costs	government (%)	Quantitative	Macro
					Urban green building standards		
107	Urban circular economy development	Economic	Economic Development	Materials and Resource Efficiency Metrics	implementation rate (%)	Quantitative	Micro, Meso
108	Urban circular economy development	Circularity	Circularity Metrics and Indices	Recoverability Metrics	Water Reuse Rate of Industrial	Quantitative	Micro, Meso, Macro
108	Urban circular economy development	Circularity	Circularity Metrics and Indices	Reusability Metrics	Resources recycling network coverage	Quantitative	Micro, Meso
108	Urban circular economy development	Environmental	Waste	Treatment and Management	Urban Domestic Garbage Treatment Rate	Quantitative	Micro, Meso, Macro
108	Urban circular economy development	Environmental	Waste	Generation	Volume of Industrial Solid Wastes	Quantitative	Micro, Meso
					Percentage of Industrial Soot Meeting		
108	Urban circular economy development	Environmental	Environmental Impacts	Global Warming and other Emissions	Discharged Standards	Quantitative	Micro, Meso, Macro
108	Urban circular economy development	Environmental	Environmental Impacts	Global Warming and other Emissions	Volume of Industrial Dust Removed	Quantitative	Micro, Meso
108	Urban circular economy development	Environmental	Environmental Impacts	Global Warming and other Emissions	Volume of Industrial Soot Discharged	Quantitative	Micro, Meso
108	Urban circular economy development	Environmental	Environmental Impacts	Global Warming and other Emissions	Volume of Industrial Soot Removed	Quantitative	Micro, Meso
					Volume of Industrial Sulphur Dioxide		
108	Urban circular economy development	Environmental	Environmental Impacts	Global Warming and other Emissions	Emission per 10,000-yuan GDP by Region	Quantitative	Macro
108	Urban circular economy development	Environmental	Water	Quality and Treatment	Urban Sewage Treatment Rate	Quantitative	Micro, Meso, Macro
					Percentage of Industrial Wastewater		
108	Urban circular economy development	Environmental	waste	Generation	Meeting Discharged Standards	Quantitative	Micro, Meso, Macro
108	Urban circular economy development	Environmental	waste	Generation	Volume of Industrial Wastewater	Quantitative	Micro, Meso
108	Urban circular economy development	Environmental	Energy	Production	Elasticity Ratio of Energy Production	Quantitative	Micro, Meso, Macro

108	Urban circular economy development	Environmental	Energy	Consumption	Electricity Consumption per 10,000-yuan		
					GDP by Region	Quantitative	Meso, Macro
108	Urban circular economy development	Environmental	Energy	Consumption	Energy Consumption per 10,000-yuan		
					GDP by Region	Quantitative	Meso, Macro
108	Urban circular economy development	Economic	Economic Development	Growth and Value Added	Output Value of Products Made from		
					Waste Gas, Waste Water and Solid		
108	Urban circular economy development	Economic	Economic Development	GDP Indicators	Wastes account for GDP	Quantitative	Macro
108	Urban circular economy development	Economic	Economic Development	GDP Indicators	Gross Domestic Product	Quantitative	Macro
108	Urban circular economy development	Economic	Economic Development	GDP Indicators	Output Value of Tertiary Industry account		
					for GDP	Quantitative	Macro
108	Urban circular economy development	Economic	Economic Development	Growth and Value Added	Value-added of Secondary Industry	Quantitative	Macro
108	Urban circular economy development	Economic	Economic Development	Growth and Value Added	Value-added of Tertiary Industry	Quantitative	Macro
108	Urban circular economy development	Economic	Economic Development	GDP Indicators	Per Capita GDP	Quantitative	Macro
108	Urban circular economy development	Economic	Investment	Green and Sustainable Investments	Investment in Pollution Treatment		
					account for GDP	Quantitative	Macro
108	Urban circular economy development	Social	Welfare	Equity and Equality	Engel's Coefficient	Quantitative	Micro, Meso, Macro
108	Urban circular economy development	Social	Societal Influence	Accessibility and Inclusion	Per Capita Green Areas	Quantitative	Micro, Meso
108	Urban circular economy development	Social	Welfare	Training and Development	Spending on Education Total as of GDP	Quantitative	Macro
108	Urban circular economy development	Social	Welfare	Equity and Equality	Unemployment Rate in Urban Area	Quantitative	Meso, Macro
109	Urban circular economy development	Circularity	Circularity Metrics and Indices	Recyclability Metrics	Circular use rate of materials	Quantitative/Qualitative	Meso, Macro
109	Urban circular economy development	Environmental	Waste	Treatment and Management	Household garbage harmless treatment	Quantitative	Micro, Meso, Macro
					Comprehensive utilization rate of		
109	Urban circular economy development	Environmental	Waste	Treatment and Management	industrial solid waste	Quantitative	Micro, Meso
					Three waste utilization values in per		
109	Urban circular economy development	Environmental	Waste	Treatment and Management	million GDP	Quantitative	Meso, Macro
					Chemical fertilizer applied per unit		
109	Urban circular economy development	Environmental	Agriculture	Fertilizer	planted area	Quantitative	Micro, Meso, Macro
109	Urban circular economy development	Environmental	Waste	Treatment and Management	Urban sewage treatment capacity per	Quantitative	Micro, Meso, Macro
109	Urban circular economy development	Environmental	waste	Generation	Industrial wastewater discharge	Quantitative	Micro, Meso, Macro
109	Urban circular economy development	Environmental	Water	Efficiency and Productivity	Elasticity in water use	Quantitative	Micro, Meso, Macro
109	Urban circular economy development	Environmental	Water	Consumption	Per capita water consumption	Quantitative	Micro, Meso, Macro
109	Urban circular economy development	Environmental	Water	Consumption	Water consumption per million GDP	Quantitative	Macro
109	Urban circular economy development	Environmental	Energy	Consumption	Energy consumption in per million GDP	Quantitative	Meso, Macro
109	Urban circular economy development	Economic	Economic Development	GDP Indicators	GDP growth	Quantitative	Macro
109	Urban circular economy development	Economic	Economic Development	GDP Indicators	GDP per capita	Quantitative	Macro
109	Urban circular economy development	Social	Welfare	Equity and Equality	Engel Coefficient	Quantitative	Micro, Meso, Macro
109	Urban circular economy development	Social	Societal Influence	Accessibility and Inclusion	Urbanization level	Quantitative	Macro
109	Urban circular economy development	Social	Welfare	Equity and Equality	Unemployment rate	Quantitative	Meso, Macro
110	Circular economy	Environmental	Metrics and indices	Environmental Performance Metrics	Product environmental footprint	Quantitative/Qualitative	Micro, Meso, Macro
110	Circular economy	Environmental	Metrics and indices	Environmental Performance Metrics	Resource footprint indicator	Quantitative/Qualitative	Micro, Meso, Macro
110	Circular economy	Circularity	Circularity Metrics and Indices	Reusability Metrics	Cyclical material use rate	Quantitative	Micro, Meso, Macro
110	Circular economy	Circularity	Circularity Metrics and Indices	Reusability Metrics	End-of-life recycling input rate	Quantitative	Micro, Meso, Macro
110	Circular economy	Circularity	Circularity Metrics and Indices	Recyclability Metrics	End-of-life recycling input rates	Quantitative	Micro, Meso, Macro
110	Circular economy	Circularity	Circularity Metrics and Indices	Recyclability Metrics	Material circularity indicator, or MCI	Quantitative	Micro, Meso, Macro
					Recovery rate of construction and		
110	Circular economy	Circularity	Circularity Metrics and Indices	Recyclability Metrics	demolition waste	Quantitative	Micro, Meso, Macro
110	Circular economy	Circularity	Circularity Metrics and Indices	Recoverability Metrics	Recyclability	Quantitative	Micro, Meso, Macro
110	Circular economy	Circularity	Circularity Metrics and Indices	Recyclability Metrics	Recyclability benefit	Quantitative	Micro, Meso

110	Circular economy	Circularity	Circularity Metrics and Indices	Recyclability Metrics	Recycled content	Quantitative	Micro, Meso
110	Circular economy	Circularity	Circularity Metrics and Indices	Recyclability Metrics	Recycling of biowaste per capita	Quantitative	Micro, Meso
110	Circular economy	Circularity	Circularity Metrics and Indices	Recyclability Metrics	Recycling rate (share of recyclable waste)	Quantitative	Micro, Meso, Macro
					Recycling rate of electrical and electronic waste (e-waste)	Quantitative	Micro, Meso, Macro
110	Circular economy	Circularity	Circularity Metrics and Indices	Recyclability Metrics	Recycling rate of plastic packaging waste	Quantitative	Micro, Meso, Macro
110	Circular economy	Circularity	Circularity Metrics and Indices	Recyclability Metrics	Recycling rate of total packaging waste	Quantitative	Micro, Meso, Macro
					Recycling rate of total waste excluding mineral waste	Quantitative	Micro, Meso, Macro
110	Circular economy	Circularity	Circularity Metrics and Indices	Recyclability Metrics	Recycling rates	Quantitative	Micro, Meso, Macro
110	Circular economy	Circularity	Circularity Metrics and Indices	Recyclability Metrics	Repairability	Quantitative	Micro, Meso, Macro
					The contribution of recycled materials to the demand for raw materials	Quantitative/Qualitative	Micro, Meso
110	Circular economy	Circularity	Circularity Metrics and Indices	Recyclability Metrics	Leakages from material cycles	Quantitative	Micro, Meso, Macro
110	Circular economy	Economic	Economic Development	Materials and Resource Efficiency Metrics	Leakages from material cycles	Quantitative/Qualitative	Micro, Meso, Macro
110	Circular economy	Environmental	Material and resources	Consumption	Raw material consumption	Quantitative	Micro, Meso, Macro
110	Circular economy	Environmental	Material and resources	Production	Basket of products	Quantitative/Qualitative	Micro, Meso
110	Circular economy	Environmental	Material and resources	Consumption	Domestic consumption of materials per	Quantitative	Macro
110	Circular economy	Environmental	Waste	Generation	Food waste	Quantitative	Micro, Meso, Macro
110	Circular economy	Environmental	Waste	Disposal and landfill	Quantities of waste sent to landfill	Quantitative	Micro, Meso, Macro
110	Circular economy	Environmental	Waste	Generation	Waste generation	Quantitative	Micro, Meso, Macro
					Waste of electrical and electronic equipment, or WEEE management	Quantitative	Micro, Meso, Macro
110	Circular economy	Environmental	Waste	Generation	Waste production	Quantitative	Micro, Meso, Macro
110	Circular economy	Environmental	Waste	Generation	Production of municipal waste per capita	Quantitative	Macro
					Waste production without major mineral waste per unit of GDP	Quantitative	Macro
					Generation of waste without major mineral waste per unit of consumption of domestic material	Quantitative	Macro
110	Circular economy	Environmental	Waste	Generation	Specific waste streams (packaging waste, biowaste, e-waste, etc.)	Quantitative	Micro, Meso, Macro
110	Circular economy	Environmental	Agriculture	Fertilizer	Nitrogen balance	Quantitative	Meso, Macro
110	Circular economy	Economic	Economic Development	Materials and Resource Efficiency Metrics	Material flow monitor	Quantitative/Qualitative	Micro, Meso
110	Circular economy	Economic	Economic Development	Materials and Resource Efficiency Metrics	Material system analysis	Quantitative/Qualitative	Micro, Meso
110	Circular economy	Economic	Economic Development	Materials and Resource Efficiency Metrics	Municipal waste recycling rate	Quantitative	Micro, Meso, Macro
					Self-sufficiency of raw materials for production in the European Union	Quantitative	Macro
110	Circular economy	Economic	Trade and Globalization	Self-sufficiency	Household spending on product repair and maintenance	Quantitative	Meso, Macro
110	Circular economy	Economic	Trade and Globalization	Trade	Trade-in secondary raw materials	Quantitative	Micro, Meso, Macro
					Trade of recyclable raw materials between the European Union Member States and the rest of the world	Quantitative	Macro
110	Circular economy	Economic	Trade and Globalization	Trade	Green public procurement	Quantitative	Macro
110	Circular economy	Economic	Trade and Globalization	Import	Imports from non-European Union	Quantitative	Macro
110	Circular economy	Economic	Trade and Globalization	Export	Exports to non-European Union countries	Quantitative	Macro
110	Circular economy	Economic	Trade and Globalization	Import	Imports from European Union countries	Quantitative	Macro

110	Circular economy	Economic	Trade and Globalization	Export	Exports to European Union countries	Quantitative	Macro
110	Circular economy	Economic	Economic Development	Private investment	Private investments, jobs	Quantitative	Micro, Meso, Macro
					Private investment, business, and gross		
110	Circular economy	Economic	Economic Development	Private investment	value added	Quantitative	Micro, Meso, Macro
110	Circular economy	Economic	Economic Development	Growth and Value Added	Value added at factor cost	Quantitative	Micro, Meso, Macro
110	Circular economy	Economic	Economic Development	Infrastructure and Assets	Number of industrial ecology projects	Quantitative	Meso, Macro
110	Circular economy	Economic	Investment	Capital Investments	Gross investment in tangible goods	Quantitative	Micro, Meso, Macro
110	Circular economy	Economic	Economic Development	Materials and Resource Efficiency Metrics	Resource productivity	Quantitative	Micro, Meso, Macro
					Use of recycled raw materials in the		
110	Circular economy	Economic	Economic Development	Materials and Resource Efficiency Metrics	production process	Quantitative	Micro, Meso, Macro
110	Circular economy	Economic	Economic Development	Materials and Resource Efficiency Metrics	Wood packaging recycling rate	Quantitative	Micro, Meso, Macro
110	Circular economy	Social	Societal Influence	Accessibility and Inclusion	Car sharing	Quantitative	Micro, Meso, Macro
110	Circular economy	Social	Job Creation and Supply Chain	Job Creation and employment	Employment in the circular economy	Quantitative	Macro
110	Circular economy	Social	Job Creation and Supply Chain	Job Creation and employment	Number of employees	Quantitative	Micro, Meso, Macro
110	Circular economy	Technological		Eco-Innovation and Circular Economy	Eco-label holders	Quantitative	Micro, Meso, Macro
					Patents relating to recycling and		
110	Circular economy	Technological		Patents and Intellectual Property	secondary raw materials as a	Quantitative	Micro, Meso, Macro
111	Nitrogen systems	Environmental	Metrics and indices	Environmental Performance Metrics	Nutrient removal efficiency indicator	Quantitative	Micro, Meso
111	Nitrogen systems	Circularity	Circularity Metrics and Indices	Circularity and performancd Indicators	Circularity indicator of components	Quantitative/Qualitative	Micro, Meso
111	Nitrogen systems	Circularity	Circularity Metrics and Indices	Circularity and performancd Indicators	CyCt	Quantitative/Qualitative	Micro, Meso, Macro
111	Nitrogen systems	Circularity	Circularity Metrics and Indices	Circularity and performancd Indicators	CyCtR	Quantitative/Qualitative	Micro, Meso, Macro
111	Nitrogen systems	Circularity	Circularity Metrics and Indices	Circularity and performancd Indicators	FiggeCI	Quantitative/Qualitative	Micro, Meso, Macro
111	Nitrogen systems	Circularity	Circularity Metrics and Indices	Circularity and performancd Indicators	FinnCI	Quantitative/Qualitative	Micro, Meso, Macro
111	Nitrogen systems	Circularity	Circularity Metrics and Indices	Circularity and performancd Indicators	Food Circularity	Quantitative/Qualitative	Micro, Meso
111	Nitrogen systems	Circularity	Circularity Metrics and Indices	Circularity and performancd Indicators	Input Circularity	Quantitative/Qualitative	Micro, Meso
111	Nitrogen systems	Circularity	Circularity Metrics and Indices	Circularity and performancd Indicators	Output Circularity	Quantitative/Qualitative	Micro, Meso
111	Nitrogen systems	Circularity	Circularity Metrics and Indices	Recyclability Metrics	Nitrogen recycling index	Quantitative	Micro, Meso
111	Nitrogen systems	Circularity	Circularity Metrics and Indices	Recoverability Metrics	Nutrient recovery indicator	Quantitative	Micro, Meso
					Reduce raw material, energy, and water		
111	Nitrogen systems	Environmental	Water	Efficiency and Productivity	consumption	Quantitative	Micro, Meso, Macro
111	Nitrogen systems	Environmental	Agriculture	Products and by-products	Crop–livestock ratio	Quantitative	Micro, Meso
111	Nitrogen systems	Environmental	Agriculture	Fertilizer	Nitrogen use efficiency	Quantitative	Micro, Meso
111	Nitrogen systems	Environmental	Environmental Impacts	Eutrophication	Biological dephosphatation potential	Quantitative	Micro, Meso
111	Nitrogen systems	Environmental	Water	Quality and Treatment	Effluent inorganic content indicator	Quantitative	Micro, Meso, Macro
111	Nitrogen systems	Economic	Economic Development	Materials and Resource Efficiency Metrics	Material circularity indicator	Quantitative	Micro, Meso, Macro
112	Circular economy	Circularity	Circularity Metrics and Indices	Circularity and performancd Indicators	Circular Economy Index	Quantitative	Micro, Meso, Macro
112	Circular economy	Circularity	Circularity Metrics and Indices	Circularity and performancd Indicators	Circular Economy Indicator Prototype	Composite	Micro, Meso, Macro
112	Circular economy	Circularity	Circularity Metrics and Indices	Circularity and performancd Indicators	Circular Economy Performance indicator	Quantitative/Qualitative	Micro, Meso, Macro
			Circular Business Models and				
112	Circular economy	Circularity	Practices	Business Models and strategies	Circularity Design Guidelines	Qualitative	Micro, Meso
112	Circular economy	Circularity	Circularity Metrics and Indices	Circularity and performancd Indicators	Circularity Calculator	Quantitative	Micro, Meso, Macro
112	Circular economy	Circularity	Circularity Metrics and Indices	Circularity and performancd Indicators	Circularity Index	Quantitative/Qualitative	Micro, Meso, Macro
			Circular Business Models and		Decision Support Tool for		
112	Circular economy	Circularity	Practices	Decision making tools	Remanufacturing	Analytic	Micro, Meso
112	Circular economy	Circularity	Circularity Metrics and Indices	Circularity and performancd Indicators	Circularity Potential Indicators	Quantitative/Qualitative	Micro, Meso, Macro
112	Circular economy	Circularity	Circularity Metrics and Indices	Circularity and performancd Indicators	Combination Matrix	Composite	Micro, Meso
112	Circular economy	Circularity	Circularity Metrics and Indices	Circularity and performancd Indicators	End-of-life Index	Composite	Micro, Meso
112	Circular economy	Circularity	Circularity Metrics and Indices	Circularity and performancd Indicators	End-of-life Indices (Design Methodology)	Composite	Micro, Meso

112	Circular economy	Circularity	Circularity Metrics and Indices	Circularity and performancd Indicators	End-of-use product value recovery	Quantitative	Micro, Meso
112	Circular economy	Circularity	Circularity Metrics and Indices	Sustainability Indices	Sustainability indicators in EC	Composite	Micro, Meso, Macro
112	Circular economy	Circularity	Circularity Metrics and Indices	Recyclability Metrics	Disassembly Effort Index	Composite	Micro, Meso
112	Circular economy	Circularity	Circularity Metrics and Indices	Recyclability Metrics	Ease of Disassembly Metric	Quantitative	Micro, Meso
112	Circular economy	Circularity	Circularity Metrics and Indices	Sustainability Indices	Sustainable Circular index	Quantitative/Qualitative	Micro, Meso, Macro
112	Circular economy	Circularity	Circularity Metrics and Indices	Recyclability Metrics	Effective Disassembly Time	Quantitative	Micro, Meso
112	Circular economy	Circularity	Circularity Metrics and Indices	Circularity and performancd Indicators	Product-level Circularity Metric	Quantitative	Micro, Meso, Macro
112	Circular economy	Circularity	Circularity Metrics and Indices	Longevity and Durability Metrics	Longevity Indicator	Quantitative	Micro, Meso
112	Circular economy	Circularity	Circularity Metrics and Indices	Sustainability Indices	Economic-environmental indicators	Quantitative/Qualitative	Micro, Meso, Macro
112	Circular economy	Circularity	Circular Business Models and Practices	Decision making tools	Tool	Analytic	Micro, Meso
112	Circular economy	Circularity	Circularity Metrics and Indices	Reusability Metrics	Material Reutilization Score	Quantitative	Micro, Meso
112	Circular economy	Circularity	Circularity Metrics and Indices	Recyclability Metrics	End-of-life recycling rates	Quantitative	Micro, Meso, Macro
112	Circular economy	Circularity	Circularity Metrics and Indices	Recyclability Metrics	Recycling Desirability Index	Quantitative	Micro, Meso
112	Circular economy	Circularity	Circularity Metrics and Indices	Remanufacturing Metrics	Remanufacturing Product Profiles	Analytic	Micro, Meso
112	Circular economy	Circularity	Circularity Metrics and Indices	Reusability Metrics	Reuse Potential Indicator	Quantitative	Micro, Meso
112	Circular economy	Circularity	Circular Business Models and Practices	Business Models and strategies	Model of Expanded Zero Waste Practice	Qualitative	Micro, Meso, Macro
112	Circular economy	Circularity	Circularity Metrics and Indices	Recyclability Metrics	Recycling Indices	Composite	Micro, Meso, Macro
112	Circular economy	Circularity	Circularity Metrics and Indices	Circularity and performancd Indicators	Typology for Quality Properties	Qualitative	Micro, Meso
112	Circular economy	Economic	Economic Development	Materials and Resource Efficiency Metrics	Material Circularity Indicator	Quantitative	Micro, Meso, Macro
112	Circular economy	Economic	Financial performance metrics	Profitability Metrics	Input-output balance sheet	Quantitative	Micro, Meso, Macro
112	Circular economy	Economic	Economic Development	Growth and Value Added	Eco-cost/value Creation	Quantitative	Micro, Meso
112	Circular economy	Economic	Economic Development	Growth and Value Added	Eco-efficient Value Creation	Composite	Micro, Meso, Macro
112	Circular economy	Economic	Economic Development	Growth and Value Added	Value-Based Resource Efficiency	Quantitative	Micro, Meso
112	Circular economy	Technological		Product Design	Sustainable design and end-of-life	Quantitative	Micro, Meso
113	Renewable energy and plastic waste recycling	Economic	Economic Development	Materials and Resource Efficiency Metrics	% water recycled	Quantitative	Micro, Meso, Macro
113	Renewable energy and plastic waste recycling	Environmental	Metrics and indices	Environmental Performance Metrics	Extent of mitigation of environmental impacts of products and services	Quantitative/Qualitative	Micro, Meso, Macro
113	Renewable energy and plastic waste recycling	Economic	Economic Development	Materials and Resource Efficiency Metrics	Certificated and responsibly sourced materials	Quantitative	Micro, Meso, Macro
113	Renewable energy and plastic waste recycling	Circularity	Circularity Metrics and Indices	Circularity and performancd Indicators	Product stewardship (the product life cycle)	Quantitative/Qualitative	Micro, Meso, Macro
113	Renewable energy and plastic waste recycling	Circularity	Circularity Metrics and Indices	Recyclability Metrics	% recyclable product and packaging after end-of-life (EOL)	Quantitative	Micro, Meso, Macro
113	Renewable energy and plastic waste recycling	Circularity	Circularity Metrics and Indices	Recyclability Metrics	% recycled material use	Quantitative	Micro, Meso, Macro
113	Renewable energy and plastic waste recycling	Circularity	Circularity Metrics and Indices	Recyclability Metrics	Amount of recycled materials or material circulation	Quantitative	Micro, Meso, Macro
113	Renewable energy and plastic waste recycling	Circularity	Circularity Metrics and Indices	Recyclability Metrics	Amount of recycled plastics for closed loop recycling	Quantitative	Micro, Meso, Macro
113	Renewable energy and plastic waste recycling	Circularity	Circularity Metrics and Indices	Sustainability Indices	Circular supply	Quantitative/Qualitative	Micro, Meso, Macro
113	Renewable energy and plastic waste recycling	Circularity	Circularity Metrics and Indices	Longevity and Durability Metrics	Product efficiency and durability	Quantitative/Qualitative	Micro, Meso, Macro
113	Renewable energy and plastic waste recycling	Circularity	Circularity Metrics and Indices	Reusability Metrics	Product reuse	Quantitative/Qualitative	Micro, Meso, Macro



113	Renewable energy and plastic waste recycling	Circularity	Circularity Metrics and Indices	Recoverability Metrics	Resource recovery	Quantitative	Micro, Meso, Macro
113	Renewable energy and plastic waste recycling	Circularity	Circularity Metrics and Indices	Recoverability Metrics	Take-back systems	Quantitative	Micro, Meso, Macro
113	Renewable energy and plastic waste recycling	Circularity	Circularity Metrics and Indices	Recyclability Metrics	Waste recycling	Quantitative	Micro, Meso, Macro
113	Renewable energy and plastic waste recycling	Circularity	Circularity Metrics and Indices	Remanufacturing Metrics	Remanufactured goods sold	Quantitative	Micro, Meso
113	Renewable energy and plastic waste recycling	Environmental	Material and resources	Consumption	Amount of raw materials used	Quantitative	Micro, Meso, Macro
113	Renewable energy and plastic waste recycling	Environmental	Waste	Efficiency	Reduce waste generation	Quantitative	Micro, Meso, Macro
113	Renewable energy and plastic waste recycling	Environmental	Waste	Generation	Waste diverted from landfills	Quantitative	Micro, Meso, Macro
113	Renewable energy and plastic waste recycling	Environmental	Waste	Treatment and Management	Amount of plastic received by project and diverted from landfill	Quantitative	Micro, Meso
113	Renewable energy and plastic waste recycling	Environmental	Waste	Generation	Total weight of waste by type and disposal method	Quantitative	Micro, Meso, Macro
113	Renewable energy and plastic waste recycling	Environmental	Environmental Impacts	Carbon Emissions	Carbon footprint	Quantitative	Micro, Meso, Macro
113	Renewable energy and plastic waste recycling	Environmental	Environmental Impacts	Global Warming and other Emissions	Greenhouse gas (GHG) emission reduction	Quantitative	Micro, Meso
113	Renewable energy and plastic waste recycling	Environmental	Waste	Treatment and Management	Amount of plastic waste leakage into the sea avoided	Quantitative	Micro, Meso, Macro
113	Renewable energy and plastic waste recycling	Environmental	Environmental Impacts	Biodiversity	Biodiversity	Quantitative/Qualitative	Micro, Meso, Macro
113	Renewable energy and plastic waste recycling	Environmental	Environmental Impacts	Biodiversity	Description of significant impact of activities, products, and services on biodiversity in protected areas and areas of high biodiversity value outside	Qualitative	Micro, Meso, Macro
113	Renewable energy and plastic waste recycling	Environmental	Environmental Impacts	Biodiversity	Habitats protected or restored	Quantitative/Qualitative	Micro, Meso, Macro
113	Renewable energy and plastic waste recycling	Environmental	Environmental Impacts	Biodiversity	Operational sites owned to protected areas and areas of high biodiversity value outside protected areas	Quantitative/Qualitative	Micro, Meso, Macro
113	Renewable energy and plastic waste recycling	Environmental	Environmental Impacts	Biodiversity	Protection of the environment and biodiversity, and restoration of natural	Quantitative/Qualitative	Micro, Meso, Macro
113	Renewable energy and plastic waste recycling	Environmental	Agriculture	Fertilizer	Percentage of sludge used as fertilizer	Quantitative	Meso, Macro
113	Renewable energy and plastic waste recycling	Environmental	Agriculture	Products and by-products	Swine manure treated by weight	Quantitative	Micro, Meso
113	Renewable energy and plastic waste recycling	Environmental	Environmental Impacts	Global Warming and other Emissions	Reduction of greenhouse gas (GHG) emissions	Quantitative	Micro, Meso, Macro
113	Renewable energy and plastic waste recycling	Environmental	water	Efficiency and Productivity	Reduce water discharge	Quantitative	Micro, Meso
113	Renewable energy and plastic waste recycling	Environmental	Waste	Treatment and Management	Total volume of wastewater in a treatment system	Quantitative	Micro, Meso

113	Renewable energy and plastic waste recycling	Environmental	Water	Quality and Treatment	Total water discharge by quality and destination	Quantitative	Micro, Meso
113	Renewable energy and plastic waste recycling	Environmental	Water	Consumption	Amount of water consumption	Quantitative	Micro, Meso, Macro
113	Renewable energy and plastic waste recycling	Environmental	Energy	Production	Actual amount of electricity produced	Quantitative	Micro, Meso, Macro
113	Renewable energy and plastic waste recycling	Environmental	Energy	Efficiency and productivity	Amount of water pumping from PV system	Quantitative	Micro, Meso
113	Renewable energy and plastic waste recycling	Environmental	Energy	Production	Biogas collection from wastewater treatment	Quantitative	Micro, Meso
113	Renewable energy and plastic waste recycling	Environmental	Energy	Efficiency and productivity	Energy efficiency	Quantitative	Micro, Meso, Macro
113	Renewable energy and plastic waste recycling	Environmental	Energy	Consumption	Energy/fuel consumption reduction	Quantitative	Micro, Meso, Macro
113	Renewable energy and plastic waste recycling	Environmental	Energy	Consumption	Energy consumption	Quantitative	Micro, Meso, Macro
113	Renewable energy and plastic waste recycling	Environmental	Energy	Efficiency and productivity	Reduction of energy consumption	Quantitative	Micro, Meso, Macro
113	Renewable energy and plastic waste recycling	Environmental	Energy	Efficiency and productivity	Reductions in energy requirements of products and services	Quantitative	Micro, Meso, Macro
113	Renewable energy and plastic waste recycling	Environmental	Energy	Efficiency and productivity	Reductions in energy requirements of products and services	Quantitative	Micro, Meso, Macro
113	Renewable energy and plastic waste recycling	Economic	Economic Development	Materials and Resource Efficiency Metrics	Percentage of water recycled and reused	Quantitative	Micro, Meso, Macro
113	Renewable energy and plastic waste recycling	Economic	Economic Development	Specific Indicators	Total economic contribution	Quantitative	Micro, Meso, Macro
113	Renewable energy and plastic waste recycling	Economic	Financial performance metrics	Profitability Metrics	Circular revenue	Quantitative	Micro, Meso, Macro
113	Renewable energy and plastic waste recycling	Economic	Financial performance metrics	Efficiency and Investment Metrics	SROI (Social Return On Investment)	Quantitative	Micro, Meso, Macro
113	Renewable energy and plastic waste recycling	Economic	Financial performance metrics	Profitability Metrics	Net present value	Quantitative	Micro, Meso
113	Renewable energy and plastic waste recycling	Economic	Financial performance metrics	Payback and Recovery Metrics	Payback period	Quantitative	Micro, Meso
113	Renewable energy and plastic waste recycling	Economic	Economic Development	Growth and Value Added	Circular percentage of a portfolio	Quantitative	Micro, Meso, Macro
113	Renewable energy and plastic waste recycling	Economic	Economic Development	Growth and Value Added	Direct creation economic value generated and distributed	Quantitative	Micro, Meso, Macro
113	Renewable energy and plastic waste recycling	Economic	Economic Development	Materials and Resource Efficiency Metrics	Water footprint	Quantitative	Micro, Meso, Macro
113	Renewable energy and plastic waste recycling	Social	Welfare	Benefits and Compensation	Benefits provided from employment	Quantitative/Qualitative	Micro, Meso
113	Renewable energy and plastic waste recycling	Social	Welfare	Health and Safety	Better health and safety in the community	Quantitative/Qualitative	Micro, Meso, Macro
113	Renewable energy and plastic waste recycling	Social	Welfare	Training and Development	Human development and training	Quantitative/Qualitative	Micro, Meso, Macro
113	Renewable energy and plastic waste recycling	Social	Community and Society Empowerment	Community Relations	Good relationships within the community/company	Quantitative/Qualitative	Micro, Meso

113	Renewable energy and plastic waste recycling	Social	Community and Society Empowerment	Social Participation and Empowerment	Satisfaction through participating in the drive towards sustainable development	Quantitative/Qualitative	Micro, Meso, Macro
113	Renewable energy and plastic waste recycling	Social	Community and Society Empowerment	Community Relations	Percentage of operations with implemented local community engagement, impact assessments, and	Quantitative	Micro, Meso, Macro
113	Renewable energy and plastic waste recycling	Social	Community and Society Empowerment	Community Relations	Donation	Quantitative/Qualitative	Micro, Meso
113	Renewable energy and plastic waste recycling	Social	Community and Society Empowerment	Community Relations	Donation	Quantitative/Qualitative	Micro, Meso
113	Renewable energy and plastic waste recycling	Social	Job Creation and Supply Chain	Job Creation and Employment	Direct economic value generated and distributed	Quantitative	Micro, Meso, Macro
113	Renewable energy and plastic waste recycling	Social	Community and Society Empowerment	Social Participation and Empowerment	Social enterprises started	Quantitative	Micro, Meso
113	Renewable energy and plastic waste recycling	Social	Job Creation and Supply Chain	Job Creation and Employment	Increased employment	Quantitative	Micro, Meso, Macro
113	Renewable energy and plastic waste recycling	Social	Job Creation and Supply Chain	Job Creation and employment	Jobs created	Quantitative	Micro, Meso, Macro
113	Renewable energy and plastic waste recycling	Social	Welfare	Quality and Rights	Understanding the importance of plastic waste recycling	Quantitative/Qualitative	Micro, Meso
113	Renewable energy and plastic waste recycling	Technological		Organizational and Social Innovation	Involves registered environmentally friendly products and services	Quantitative/Qualitative	Micro, Meso
113	Renewable energy and plastic waste recycling	Legislation	Economic	Environmental tax	Carbon credit	Quantitative	Micro, Meso, Macro
113	Renewable energy and plastic waste recycling	Legislation	Environmental		Carbon credit	Quantitative	Micro, Meso, Macro
114	Water and Wastewater Sector	Circularity	Circularity Metrics and Indices	Recyclability Metrics	Amount of recovered waste	Quantitative	Micro, Meso, Macro
114	Water and Wastewater Sector	Circularity	Circularity Metrics and Indices	Recyclability Metrics	Amount of recycled waste	Quantitative	Micro, Meso, Macro
114	Water and Wastewater Sector	Circularity	Circularity Metrics and Indices	Recyclability Metrics	Recovery of critical raw materials	Quantitative	Micro, Meso, Macro
114	Water and Wastewater Sector	Circularity	Circularity Metrics and Indices	Recyclability Metrics	Recovery of other raw materials	Quantitative	Micro, Meso, Macro
114	Water and Wastewater Sector	Circularity	Circularity Metrics and Indices	Recyclability Metrics	Recycling degree of water recovered from used water and/or wastewater	Quantitative	Micro, Meso, Macro
114	Water and Wastewater Sector	Circularity	Circularity Metrics and Indices	Reusability Metrics	Substances/materials/equipment transferred for reuse	Quantitative/Qualitative	Micro, Meso
114	Water and Wastewater Sector	Environmental	Waste	Generation	Amount of particular types of waste	Quantitative	Micro, Meso
114	Water and Wastewater Sector	Environmental	Waste	Disposal and landfill	Amount of disposed waste, divided into amounts of waste disposed	Quantitative	
114	Water and Wastewater Sector	Environmental	Environmental Impacts	Global Warming and other Emissions	Total emissions of particular greenhouse	Quantitative	Micro, Meso, Macro
114	Water and Wastewater Sector	Environmental	Water	Consumption	Use of water resources	Quantitative	Micro, Meso, Macro
114	Water and Wastewater Sector	Environmental	Energy	Consumption	Energy consumption of the water supply system	Quantitative	Micro, Meso
114	Water and Wastewater Sector	Environmental	Energy	Consumption	Energy consumption of the wastewater collection and treatment system	Quantitative	Micro, Meso
114	Water and Wastewater Sector	Environmental	Energy	Intensity	Share of renewable energy in the company's total consumption of	Quantitative	Micro, Meso, Macro
114	Water and Wastewater Sector	Environmental	Energy	Intensity	Share of renewable energy consumed for the water supply processes in the company's total consumption of	Quantitative	Micro, Meso

114	Water and Wastewater Sector	Environmental	Energy	Intensity	Share of renewable energy consumed for the processes of wastewater collection and treatment and sludge management in the company's total consumption of	Quantitative	Micro, Meso
114	Water and Wastewater Sector	Environmental	Energy	Intensity	Share of renewable energy in the total energy consumption by RES type	Quantitative	Micro, Meso, Macro
114	Water and Wastewater Sector	Environmental	Energy	Intensity	Share of renewable energy consumed for the water supply processes in the total energy consumption by RES type	Quantitative	Micro, Meso
114	Water and Wastewater Sector	Environmental	Energy	Intensity	Share of renewable energy consumed in the wastewater collection and treatment, as well as sludge management processes in the total energy consumption by RES	Quantitative	Micro, Meso
114	Water and Wastewater Sector	Environmental	Energy	Consumption	Total energy consumption in the company	Quantitative	Micro, Meso, Macro
114	Water and Wastewater Sector	Economic	Costs and expences	Public and Governmental Costs	Share of costs incurred for the use of the environment in the total costs of the	Quantitative	Micro, Meso
114	Water and Wastewater Sector	Economic	Economic Development	Infrastructure and Assets	Number of public procurement projects performed	Quantitative	Micro, Meso, Macro
114	Water and Wastewater Sector	Economic	Economic Development	Infrastructure and Assets	Number of e-services in the Company	Quantitative	Micro, Meso
114	Water and Wastewater Sector	Economic	Economic Development Community and Society	Materials and Resource Efficiency Metrics	Water recycling including methods of recovered water reuse	Quantitative	Micro, Meso, Macro
114	Water and Wastewater Sector	Social	Empowerment	Social Participation and Empowerment	Social initiatives related to CE	Quantitative/Qualitative	Micro, Meso
114	Water and Wastewater Sector	Social	Job Creation and Supply Chain	Job Creation and Employment	Number of individuals trained in the field	Quantitative	Micro, Meso
114	Water and Wastewater Sector	Social	Job Creation and Supply Chain	Job Creation and Employment	Share of jobs related to CE operations versus the total employment in the	Quantitative	Micro, Meso
114	Water and Wastewater Sector	Technological		Organizational and Social Innovation	Availability of e-services	Quantitative/Qualitative	Micro, Meso
114	Water and Wastewater Sector	Technological		Organizational and Social Innovation	Number of instances of industrial symbiosis for waste use/management or other CE-related operations	Quantitative	Micro, Meso
114	Water and Wastewater Sector	Legislation	Economic	Environmental Tax	Charges or fees paid for the use of the environment	Quantitative	Micro, Meso
114	Water and Wastewater Sector	Legislation	Environmental		Charges or fees paid for the use of the environment	Quantitative	Micro, Meso
115	Sunflower Residues-Based Biorefinery	Circularity	Circularity Metrics and Indices	Reusability Metrics	Circular material use rate	Quantitative	Micro, Meso, Macro
115	Sunflower Residues-Based Biorefinery	Circularity	Circularity Metrics and Indices	Recoverability Metrics	Energy recoverability benefit rate	Quantitative/Qualitative	Micro, Meso, Macro
115	Sunflower Residues-Based Biorefinery	Environmental	Environmental Impacts	Carbon Emissions	Carbon dioxide emissions savings	Quantitative	Micro, Meso, Macro
115	Sunflower Residues-Based Biorefinery	Environmental	Energy	Intensity	Renewable energy share	Quantitative	Micro, Meso, Macro
117	Mining Operations	Environmental	Environmental Impacts	Carbon Emissions	CO2 emissions	Quantitative	Micro, Meso, Macro
117	Mining Operations	Environmental	Water	Consumption	Water consumption	Quantitative	Micro, Meso, Macro
117	Mining Operations	Environmental	Energy	Consumption	Energy consumption	Quantitative	Micro, Meso, Macro
117	Mining Operations	Environmental	Energy	Consumption	Electrical energy dissipated in the production process	Quantitative	Micro
122	Plastic Packaging	Circularity	Circularity Metrics and Indices	Circularity and performancd Indicators	Circular Economy Index	Quantitative	Micro, Meso, Macro
122	Plastic Packaging	Circularity	Circularity Metrics and Indices	Circularity and performancd Indicators	Circular Economy Indicator Prototype	Composite	Micro, Meso, Macro
122	Plastic Packaging	Circularity	Circularity Metrics and Indices	Circularity and performancd Indicators	Circularity Calculator	Quantitative	Micro, Meso, Macro
122	Plastic Packaging	Circularity	Circular Business Models and Practices	Decision making tools	Decision Support Tool for Remanufacturing	Analytic	Micro, Meso

122	Plastic Packaging	Circularity	Circularity Metrics and Indices	Circularity and performancd Indicators	Combination Matrix	Composite	Micro, Meso
122	Plastic Packaging	Circularity	Circularity Metrics and Indices	Circularity and performancd Indicators	End-of-life Index	Composite	Micro, Meso
122	Plastic Packaging	Circularity	Circularity Metrics and Indices	Circularity and performancd Indicators	End-of-life Indices (Design Methodology)	Composite	Micro, Meso
122	Plastic Packaging	Circularity	Circularity Metrics and Indices	Circularity and performancd Indicators	Product-level Circularity Metric	Quantitative	Micro, Meso, Macro
122	Plastic Packaging	Circularity	Circularity Metrics and Indices	Sustainability Indices	Sustainability Indicators in Circular	Composite	Micro, Meso, Macro
122	Plastic Packaging	Circularity	Circularity Metrics and Indices	Recyclability Metrics	Disassembly Effort Index	Composite	Micro, Meso
122	Plastic Packaging	Circularity	Circularity Metrics and Indices	Recyclability Metrics	Ease of Disassembly Metric	Quantitative	Micro, Meso
122	Plastic Packaging	Circularity	Circularity Metrics and Indices	Recyclability Metrics	Effective Disassembly Time	Quantitative	Micro, Meso
122	Plastic Packaging	Circularity	Circularity Metrics and Indices	Recoverability Metrics	End-of-use product value recovery	Quantitative	Micro, Meso
122	Plastic Packaging	Circularity	Circularity Metrics and Indices	Longevity and Durability Metrics	Longevity Indicator	Quantitative	Micro, Meso
			Circular Business Models and		Product Recovery Multi-criteria Decision		
122	Plastic Packaging	Circularity	Practices	Decision making tools	Tool	Analytic	Micro, Meso
122	Plastic Packaging	Circularity	Circularity Metrics and Indices	Reusability Metrics	Material Reutilization Score	Quantitative	Micro, Meso
			Circular Business Models and				
122	Plastic Packaging	Circularity	Practices	Business Models and strategies	Circularity Design Guidelines	Qualitative	Micro, Meso, Macro
122	Plastic Packaging	Circularity	Circularity Metrics and Indices	Recyclability Metrics	Recycling Indices	Composite	Micro, Meso, Macro
122	Plastic Packaging	Circularity	Circularity Metrics and Indices	Recyclability Metrics	Recycling Desirability Index	Quantitative	Micro, Meso
			Circular Business Models and				
122	Plastic Packaging	Circularity	Practices	Business Models and strategies	Model of Expanded Zero Waste Practice	Qualitative	Micro, Meso, Macro
122	Plastic Packaging	Circularity	Circularity Metrics and Indices	Remanufacturing Metrics	Remanufacturing Product Profiles	Analytic	Micro, Meso
122	Plastic Packaging	Circularity	Circularity Metrics and Indices	Reusability Metrics	Reuse Potential Indicator	Quantitative	Micro, Meso
122	Plastic Packaging	Circularity	Circularity Metrics and Indices	Circularity and performancd Indicators	Typology for Quality Properties	Qualitative	Micro, Meso
122	Plastic Packaging	Economic	Economic Development	Materials and Resource Efficiency Metrics	Material Circularity Indicator	Quantitative	Micro, Meso, Macro
122	Plastic Packaging	Economic	Economic Development	Growth and Value Added	Eco-cost/value Creation	Quantitative	Micro, Meso
122	Plastic Packaging	Economic	Economic Development	Growth and Value Added	Eco-efficient Value Creation	Composite	Micro, Meso, Macro
122	Plastic Packaging	Economic	Economic Development	Growth and Value Added	Value-Based Resource Efficiency	Quantitative	Micro, Meso
122	Plastic Packaging	Technological		Product Design	Sustainable design and end-of-life	Quantitative	Micro, Meso
126	Manufacturing Companies	Circularity	Circularity Metrics and Indices	Circularity and performancd Indicators	Output Equipment intensity	Quantitative	Micro, Meso
126	Manufacturing Companies	Circularity	Circularity Metrics and Indices	Recyclability Metrics	Recirculable material waste	Quantitative	Micro, Meso, Macro
126	Manufacturing Companies	Circularity	Circularity Metrics and Indices	Recyclability Metrics	Recirculable wastewater	Quantitative	Micro, Meso, Macro
126	Manufacturing Companies	Environmental	Metrics and indices	Waste Management Metrics	Waste intensity	Quantitative	Micro, Meso
126	Manufacturing Companies	Environmental	Material and resources	Consumption	Input material intensity	Quantitative	Micro, Meso
126	Manufacturing Companies	Environmental	Environmental Impacts	Global Warming and other Emissions	Emission intensity	Quantitative	Micro, Meso, Macro
126	Manufacturing Companies	Environmental	Water	Efficiency and Productivity	Water intensity	Quantitative	Micro, Meso
126	Manufacturing Companies	Environmental	Water	Efficiency and Productivity	Water from renewable resources	Quantitative	Micro, Meso, Macro
126	Manufacturing Companies	Environmental	Energy	Production	Energy from renewable resources	Quantitative	Micro, Meso, Macro
126	Manufacturing Companies	Environmental	Energy	Intensity	Energy intensity	Quantitative	Micro, Meso, Macro
126	Manufacturing Companies	Economic	Economic Development	Materials and Resource Efficiency Metrics	Material from renewable resources	Quantitative	Micro, Meso, Macro
126	Manufacturing Companies	Social	Welfare	Training and Development	Average training hours per employee	Quantitative	Micro, Meso
126	Manufacturing Companies	Social	Welfare	Health and Safety	Number of accidents	Quantitative	Micro, Meso, Macro
126	Manufacturing Companies	Social	Job Creation and Supply Chain	Job Creation and Employment	Number of hired group	Quantitative	Micro, Meso
126	Manufacturing Companies	Social	Job Creation and Supply Chain	Job Creation and Employment	Turnover	Quantitative	Micro, Meso
128	EU's Monitoring Framework	Circularity	Circularity Metrics and Indices	Recoverability Metrics	Waste Recovered (no backfilling)	Quantitative	Micro, Meso, Macro
128	EU's Monitoring Framework	Environmental	Material and resources	Consumption	Direct Material Inputs	Quantitative	Micro, Meso
128	EU's Monitoring Framework	Environmental	Material and resources	Consumption	Processed Materials	Quantitative	Micro, Meso
128	EU's Monitoring Framework	Environmental	Material and resources	Consumption	Material Use	Quantitative	Micro, Meso, Macro
128	EU's Monitoring Framework	Environmental	Material and resources	Consumption	Domestic Material Consumption	Quantitative	Micro, Meso, Macro
128	EU's Monitoring Framework	Environmental	Waste	Treatment and Management	Waste treatment	Quantitative/Qualitative	Micro, Meso, Macro

128	EU's Monitoring Framework	Economic	Trade and Globalization	Import	Imports	Quantitative	Macro
128	EU's Monitoring Framework	Economic	Trade and Globalization	Export	Exports	Quantitative	Macro
131	Circular economy	Environmental	Metrics and indices	Environmental Performance Metrics	Ecological Footprint	Quantitative/Qualitative	Micro, Meso, Macro
131	Circular economy	Environmental	Metrics and indices	Environmental Performance Metrics	Environmental Performance Index	Quantitative/Qualitative	Macro
131	Circular economy	Economic	Economic Development	Materials and Resource Efficiency Metrics	EU Resource Efficiency Scoreboard	Quantitative	Macro
131	Circular economy	Circularity	Circularity Metrics and Indices	Circularity and performancd Indicators	National Circularity Gap	Quantitative	Macro
131	Circular economy	Circularity	Circularity Metrics and Indices	Circularity and performancd Indicators	OECD Green Growth Indicators	Quantitative	Macro
131	Circular economy	Circularity	Circularity Metrics and Indices	Sustainability Indices	Sustainable Development Indicators	Quantitative/Qualitative	Micro, Meso, Macro
131	Circular economy	Circularity	Circularity Metrics and Indices	Sustainability Indices	Sustainable cities and communities	Qualitative	Micro, Meso, Macro
131	Circular economy	Environmental	Energy	Consumption	Energy and material consumption	Quantitative	Micro, Meso, Macro
131	Circular economy	Environmental	Environmental Impacts	General Environmental Quality	Environment	Quantitative/Qualitative	Micro, Meso, Macro
131	Circular economy	Environmental	Environmental Impacts	Resource Depletion and Efficiency	Natural stocks	Quantitative	Micro, Meso, Macro
131	Circular economy	Environmental	Waste	Treatment and Management	Waste management	Quantitative/Qualitative	Micro, Meso, Macro
131	Circular economy	Environmental	Waste	Treatment and Management	Waste management	Quantitative/Qualitative	Micro, Meso, Macro
131	Circular economy	Environmental	Environmental Impacts	Global Warming and other Emissions	Climate change	Quantitative/Qualitative	Micro, Meso, Macro
131	Circular economy	Environmental	Environmental Impacts	Carbon Emissions	Carbon footprint	Quantitative	Micro, Meso, Macro
131	Circular economy	Environmental	Agriculture	Fertilizer	Agricultural fertility	Quantitative/Qualitative	Micro, Meso, Macro
131	Circular economy	Environmental	Environmental Impacts	Biodiversity	Biodiversity and ecosystems	Quantitative/Qualitative	Micro, Meso, Macro
131	Circular economy	Environmental	Environmental Impacts	Biodiversity	Biodiversity management	Quantitative/Qualitative	Micro, Meso, Macro
131	Circular economy	Environmental	Environmental Impacts	Biodiversity	Biodiversity management	Quantitative/Qualitative	Micro, Meso, Macro
131	Circular economy	Environmental	Environmental Impacts	Biodiversity	Ecological diversity and resilience	Quantitative/Qualitative	Micro, Meso, Macro
131	Circular economy	Environmental	Environmental Impacts	Biodiversity	Ecosystem vitality	Quantitative/Qualitative	Micro, Meso, Macro
131	Circular economy	Environmental	Environmental Impacts	Biodiversity	Life on land	Qualitative	Micro, Meso, Macro
131	Circular economy	Environmental	Environmental Impacts	Biodiversity	Life underwater	Qualitative	Micro, Meso, Macro
131	Circular economy	Environmental	Environmental Impacts	Biodiversity	Natural Capital Index	Quantitative/Qualitative	Micro, Meso, Macro
131	Circular economy	Environmental	Environmental Impacts	General Environmental Quality	Environmental dimension of quality of life	Quantitative/Qualitative	Micro, Meso, Macro
131	Circular economy	Environmental	Environmental Impacts	General Environmental Quality	Environmental Quality	Quantitative/Qualitative	Micro, Meso, Macro
131	Circular economy	Environmental	Water	Management and stress	Water availability	Quantitative	Micro, Meso, Macro
131	Circular economy	Environmental	Energy	Efficiency and productivity	Energy	Quantitative/Qualitative	Micro, Meso, Macro
131	Circular economy	Economic	Economic Development	Materials and Resource Efficiency Metrics	Renewable and non-renewable stocks	Quantitative	Micro, Meso, Macro
131	Circular economy	Economic	Economic Development	Materials and Resource Efficiency Metrics	Resource efficiency	Quantitative	Micro, Meso, Macro
131	Circular economy	Economic	Economic Development	Materials and Resource Efficiency Metrics	Resource productivity	Quantitative	Micro, Meso, Macro
131	Circular economy	Economic	Economic Development	Specific Indicators	International financial flows	Quantitative	Macro
131	Circular economy	Economic	Economic Development	Infrastructure and Assets	Natural capital	Quantitative	Micro, Meso, Macro
131	Circular economy	Economic	Supply Chain	Production Efficiency and Quality	Land/Water productivity	Quantitative	Micro, Meso, Macro
131	Circular economy	Economic	Economic Development	Infrastructure and Assets	Human capital	Quantitative	Micro, Meso, Macro
131	Circular economy	Economic	Economic Development	Growth and Value Added	Economic growth	Quantitative	Macro
131	Circular economy	Economic	Economic Development	Infrastructure and Assets	Financial assets	Quantitative	Micro, Meso, Macro
131	Circular economy	Economic	Economic Development	Infrastructure and Assets	Built capital	Quantitative	Micro, Meso, Macro
131	Circular economy	Economic	Economic Development	Specific Indicators	Size of the Informal Economy	Quantitative	Macro
131	Circular economy	Social	Welfare	Training and Development	Access to advanced education	Quantitative	Micro, Meso, Macro
131	Circular economy	Social	Welfare	Training and Development	Access to information and	Quantitative	Micro, Meso, Macro
131	Circular economy	Social	Welfare	Training and Development	Access to knowledge	Quantitative	Micro, Meso, Macro
131	Circular economy	Social	Welfare	Quality and Rights	Canadian Index of Wellbeing	Quantitative/Qualitative	Macro
131	Circular economy	Social	Welfare	Training and Development	Education	Quantitative	Micro, Meso, Macro
131	Circular economy	Social	Welfare	Health and Safety	Environmental Health	Quantitative/Qualitative	Micro, Meso, Macro
131	Circular economy	Social	Welfare	Health and Safety	Environmental impacts	Quantitative/Qualitative	Micro, Meso, Macro
131	Circular economy	Social	Welfare	Quality and Rights	European Social Progress Index	Quantitative/Qualitative	Macro

131	Circular economy	Social	Welfare	Quality and Rights	Genuine Progress Indicator	Quantitative/Qualitative	Macro
131	Circular economy	Social	Welfare	Quality and Rights	Gross National Happiness Index	Quantitative/Qualitative	Macro
131	Circular economy	Social	Welfare	Health and Safety	Health	Quantitative	Micro, Meso, Macro
131	Circular economy	Social	Welfare	Health and Safety	Health and wellness	Quantitative	Micro, Meso, Macro
131	Circular economy	Social	Welfare	Quality and Rights	Leisure and culture	Quantitative/Qualitative	Micro, Meso, Macro
131	Circular economy	Social	Welfare	Quality and Rights	Living standards	Quantitative/Qualitative	Micro, Meso, Macro
131	Circular economy	Social	Welfare	Health and Safety	Nutrition and medical care	Quantitative	Micro, Meso, Macro
131	Circular economy	Social	Welfare	Equity and Equality	Personal freedom	Qualitative	Micro, Meso, Macro
131	Circular economy	Social	Welfare	Equity and Equality	Personal rights	Qualitative	Micro, Meso, Macro
131	Circular economy	Social	Welfare	Equity and Equality	Personal security	Quantitative	Micro, Meso, Macro
131	Circular economy	Social	Welfare	Health and Safety	Population health	Quantitative	Micro, Meso, Macro
131	Circular economy	Social	Societal Influence	Accessibility and Inclusion	Tolerance and inclusion	Quantitative/Qualitative	Micro, Meso, Macro
Community and Society							
131	Circular economy	Social	Empowerment	Community Relations	Community vitality	Quantitative/Qualitative	Micro, Meso, Macro
Community and Society							
131	Circular economy	Social	Empowerment	Cultural Engagement	Cultural diversity and resilience	Quantitative/Qualitative	Micro, Meso, Macro
131	Circular economy	Social	Welfare	Health and Safety	Psychological well-being	Quantitative/Qualitative	Micro, Meso, Macro
131	Circular economy	Social	Governance and Ethics	Corporate Responsibility	Good governance	Quantitative/Qualitative	Micro, Meso, Macro
131	Circular economy	Social	Governance and Ethics	Human Rights	Democratic engagement	Quantitative/Qualitative	Micro, Meso, Macro
131	Circular economy	Social	Welfare	Quality and Rights	Shelter	Quantitative	Micro, Meso, Macro
131	Circular economy	Social	Welfare	Quality and Rights	Social capital	Quantitative/Qualitative	Micro, Meso, Macro
131	Circular economy	Social	Job Creation and Supply Chain	Job Creation and Employment	Labour markets	Quantitative	Micro, Meso, Macro
131	Circular economy	Social	Welfare	Health and Safety	Time use	Quantitative/Qualitative	Micro, Meso
131	Circular economy	Social	Welfare	Health and Safety	Water and sanitation	Quantitative	Micro, Meso, Macro
131	Circular economy	Social	Welfare	Equity and Equality	Zero hunger	Quantitative/Qualitative	Micro, Meso, Macro
131	Circular economy	Technological	Organizational and Social Innovation		Supporting research and innovation	Quantitative/Qualitative	Micro, Meso, Macro
Technological Advancement and							
Innovation Capacity							
131	Circular economy	Technological			Technology and innovation	Quantitative/Qualitative	Micro, Meso, Macro
Extent of labour that is outside the scope							
131	Circular economy	Legislation	Social	Labour	of social protection and labour legislation	Quantitative/Qualitative	Micro, Meso, Macro
131	Circular economy	Legislation	Economic	Environmental tax	Environmental and energy tax	Quantitative	Macro
131	Circular economy	Legislation	Economic	Environmental tax	Environmental taxation	Quantitative	Macro
131	Circular economy	Legislation	Environmental		Environmental and energy tax	Quantitative	Macro
131	Circular economy	Legislation	Environmental		Environmental taxation	Quantitative	Macro
132	Circular economy innovation	Circularity	Circularity Metrics and Indices	Reusability Metrics	Circular material use rate	Quantitative	Micro, Meso, Macro
Recycling rate of all waste excluding							
132	Circular economy innovation	Circularity	Circularity Metrics and Indices	Recyclability Metrics	major mineral waste	Quantitative	Micro, Meso, Macro
132	Circular economy innovation	Circularity	Circularity Metrics and Indices	Recyclability Metrics	Recycling rate of municipal waste	Quantitative	Micro, Meso, Macro
132	Circular economy innovation	Environmental	Waste	Generation	Generation of municipal waste per capita	Quantitative	Macro
132	Circular economy innovation	Economic	Economic Development	Materials and Resource Efficiency Metrics	Resource productivity	Quantitative	Micro, Meso, Macro
Private investments, jobs, and gross value							
132	Circular economy innovation	Economic	Economic Development	Private investment	added	Quantitative	Micro, Meso, Macro
Patents related to recycling and							
132	Circular economy innovation	Technological	Patents and Intellectual Property		secondary raw materials	Quantitative	Micro, Meso, Macro
133	Circular economy	Social	Welfare	Training and Development	Awareness-raising on CE	Quantitative/Qualitative	Micro, Meso, Macro
133	Circular economy	Social	Welfare	Training and Development	Educational offering in CE and	Quantitative/Qualitative	Micro, Meso, Macro
133	Circular economy	Social	Welfare	Health and Safety	Public health	Quantitative	Micro, Meso, Macro
133	Circular economy	Social	Welfare	Equity and Equality	Reduction of hunger	Quantitative/Qualitative	Micro, Meso, Macro

133	Circular economy	Social	Welfare	Equity and Equality	Reduction of poverty	Quantitative/Qualitative	Micro, Meso, Macro
133	Circular economy	Social	Welfare	Training and Development	Training in circular economy	Quantitative/Qualitative	Micro, Meso, Macro
133	Circular economy	Social	Job Creation and Supply Chain	Job Creation and Employment	Employment of vulnerable groups	Quantitative	Micro, Meso
133	Circular economy	Social	Societal Influence	Accessibility and Inclusion	Social Inclusion	Quantitative/Qualitative	Micro, Meso, Macro
133	Circular economy	Social	Societal Influence	Behavior and Communication	Society and societal change	Quantitative/Qualitative	Micro, Meso, Macro
			Community and Society				
133	Circular economy	Social	Empowerment	Community Relations	Shared norms and values	Quantitative/Qualitative	Micro, Meso, Macro
					Change in organizational culture and corporate strategy		
133	Circular economy	Social	Governance and Ethics	Corporate Responsibility		Quantitative/Qualitative	Micro, Meso, Macro
			Community and Society				
133	Circular economy	Social	Empowerment	Social Participation and Empowerment	Sharing Economy	Quantitative/Qualitative	Micro, Meso, Macro
					Change in habits and norms of consumption of goods and services		
133	Circular economy	Social	Societal Influence	Behavior and Communication		Quantitative/Qualitative	Micro, Meso, Macro
			Community and Society				
133	Circular economy	Social	Empowerment	Community Relations	Mutual trust	Quantitative/Qualitative	Micro, Meso, Macro
133	Circular economy	Social	Governance and Ethics	Corporate Responsibility	Transparency	Quantitative/Qualitative	Micro, Meso, Macro
133	Circular economy	Social	Governance and Ethics	Corporate Governance	Governance framework	Quantitative/Qualitative	Micro, Meso, Macro
			Community and Society				
133	Circular economy	Social	Empowerment	Social Participation and Empowerment	Participation and local democracy	Quantitative/Qualitative	Micro, Meso, Macro
			Community and Society				
133	Circular economy	Social	Empowerment	Social Participation and Empowerment	Promotion of long-term perspective	Quantitative/Qualitative	Micro, Meso, Macro
			Community and Society				
133	Circular economy	Social	Empowerment	Social Participation and Empowerment	Collaboration	Quantitative/Qualitative	Micro, Meso, Macro
			Community and Society				
133	Circular economy	Social	Empowerment	Social Participation and Empowerment	Collaborative project development	Quantitative/Qualitative	Micro, Meso, Macro
			Community and Society				
133	Circular economy	Social	Empowerment	Community Relations	Relationships between stakeholders	Quantitative/Qualitative	Micro, Meso, Macro
133	Circular economy	Social	Job Creation and Supply Chain	Job Creation and Employment	Level of qualification of employees	Quantitative	Micro, Meso
133	Circular economy	Social	Job Creation and Supply Chain	Job Creation and Employment	Investment in employee training	Quantitative	Micro, Meso
133	Circular economy	Social	Job Creation and Supply Chain	Job Creation and Employment	New profiles and skills	Quantitative/Qualitative	Micro, Meso
			Community and Society				
133	Circular economy	Social	Empowerment	Social Participation and Empowerment	Generation of shared knowledge	Quantitative/Qualitative	Micro, Meso, Macro
133	Circular economy	Social	Job Creation and Supply Chain	Job Creation and Employment	Ratio of female workers to male workers	Quantitative	Micro, Meso
133	Circular economy	Social	Job Creation and Supply Chain	Job Creation and Employment	Job creation	Quantitative	Micro, Meso, Macro
133	Circular economy	Social	Job Creation and Supply Chain	Job Creation and Employment	Average salary in the CE sector	Quantitative	Micro, Meso
133	Circular economy	Social	Job Creation and Supply Chain	Job Creation and Employment	Employment	Quantitative	Micro, Meso, Macro
133	Circular economy	Social	Job Creation and Supply Chain	Job Creation and Employment	Talent acquisition and retention	Quantitative/Qualitative	Micro, Meso
133	Circular economy	Social	Governance and Ethics	Human Rights	Elimination of child labor	Quantitative/Qualitative	Micro, Meso, Macro
133	Circular economy	Social	Job Creation and Supply Chain	Job Creation and Employment	Existence of formalized working	Quantitative/Qualitative	Micro, Meso
133	Circular economy	Social	Job Creation and Supply Chain	Job Creation and Employment	Collective bargaining power of employees	Quantitative/Qualitative	Micro, Meso, Macro
			Community and Society				
133	Circular economy	Social	Empowerment	Social Participation and Empowerment	Creation and/or use of shared infrastructure	Quantitative/Qualitative	Micro, Meso, Macro
134	Circular economy	Economic	Economic Development	Materials and Resource Efficiency Metrics	Circularity of material	Quantitative/Qualitative	Micro, Meso, Macro
					Analysis of the flow of material to evaluate the CE		
134	Circular economy	Circularity	Circularity Metrics and Indices	Circularity and performance Indicators	Evaluation of the development of the CE	Quantitative/Qualitative	Micro, Meso, Macro
					in cities		
134	Circular economy	Circularity	Circularity Metrics and Indices	Circularity and performance Indicators		Quantitative/Qualitative	Macro
134	Circular economy	Circularity	Circularity Metrics and Indices	Circularity and performance Indicators	Evaluation of the regional circular	Quantitative/Qualitative	Meso, Macro



					Integrative evaluation of the development of the CE		
134	Circular economy	Circularity	Circularity Metrics and Indices	Circularity and performance Indicators		Quantitative/Qualitative	Micro, Meso, Macro
134	Circular economy	Circularity	Circularity Metrics and Indices	Circularity and performance Indicators	National System of CE Indicators	Quantitative/Qualitative	Macro
					Quality of and accessibility to the goods and services delivered by the CE	Qualitative	Micro, Meso, Macro
134	Circular economy	Circularity	Circularity Metrics and Indices	Circularity and performance Indicators	Regional Circular Economy Development	Quantitative/Qualitative	Meso, Macro
134	Circular economy	Circularity	Circularity Metrics and Indices	Circularity and performance Indicators	Regional Development index of the CE	Quantitative/Qualitative	Meso, Macro
					Annual reduction of material consumption index	Quantitative	Micro, Meso, Macro
134	Circular economy	Circularity	Circularity Metrics and Indices	Reducability Metrics			
134	Circular economy	Circularity	Circularity Metrics and Indices	Recoverability Metrics	Domestic waste usage rate	Quantitative	Micro, Meso, Macro
134	Circular economy	Circularity	Circularity Metrics and Indices	Recyclability Metrics	Iron scrap metal recycling rate	Quantitative	Micro, Meso, Macro
134	Circular economy	Circularity	Circularity Metrics and Indices	Recyclability Metrics	Nonferrous metals recycling rate	Quantitative	Micro, Meso, Macro
134	Circular economy	Circularity	Circularity Metrics and Indices	Reusability Metrics	Product reuse and energy levels	Quantitative/Qualitative	Micro, Meso
134	Circular economy	Circularity	Circularity Metrics and Indices	Recyclability Metrics	Plastic recycling rate	Quantitative	Micro, Meso, Macro
					Recovered municipal wastewater recycling rate	Quantitative	Micro, Meso, Macro
134	Circular economy	Circularity	Circularity Metrics and Indices	Recyclability Metrics			
134	Circular economy	Circularity	Circularity Metrics and Indices	Recyclability Metrics	Rubber recycling rate	Quantitative	Micro, Meso, Macro
134	Circular economy	Circularity	Circularity Metrics and Indices	Recoverability Metrics	Solid waste usage rates	Quantitative	Micro, Meso, Macro
134	Circular economy	Circularity	Circularity Metrics and Indices	Recoverability Metrics	Urban waste usage rates	Quantitative	Micro, Meso, Macro
					State Environmental Protection CE index system		
134	Circular economy	Circularity	Circularity Metrics and Indices	Circularity and performance Indicators		Quantitative/Qualitative	Macro
			Circular Business Models and Practices	Decision making tools	Multi-objective system for the evaluation of the economy/environment/ecology	Analytic	Micro, Meso, Macro
134	Circular economy	Circularity	Circularity Metrics and Indices	Recyclability Metrics	Used paper recycling rate	Quantitative	Micro, Meso, Macro
134	Circular economy	Environmental	Environmental Impacts	Land Use	Standards for the more efficient use of	Qualitative	Micro, Meso, Macro
134	Circular economy	Environmental	Waste	Treatment and Management	Domestic solid waste treatment safety	Quantitative	Micro, Meso
134	Circular economy	Environmental	Waste	Disposal and landfill	Discharge of waste	Quantitative	Micro, Meso, Macro
134	Circular economy	Environmental	Waste	Generation	Municipal Solid Waste	Quantitative	Micro, Meso, Macro
134	Circular economy	Environmental	Environmental Impacts	Global Warming and other Emissions	Emission intensity	Quantitative	Micro, Meso, Macro
134	Circular economy	Environmental	Environmental Impacts	Carbon Emissions	Total quantity of CO2 emissions	Quantitative	Micro, Meso, Macro
134	Circular economy	Environmental	Environmental Impacts	Global Warming and other Emissions	Urban air pollution indicators	Quantitative	Micro, Meso, Macro
134	Circular economy	Environmental	Water	Quality and Treatment	Sanitation indicators for drinking water	Quantitative/Qualitative	Micro, Meso, Macro
134	Circular economy	Environmental	Water	Quality and Treatment	Urban sewage treatment rationale	Quantitative/Qualitative	Micro, Meso
134	Circular economy	Environmental	Water	Consumption	Water consumption	Quantitative	Micro, Meso, Macro
134	Circular economy	Environmental	Water	Consumption	Coefficient of the use of irrigation water	Quantitative	Micro, Meso
134	Circular economy	Environmental	Water	Efficiency and productivity	Water abstraction per unit of GDP	Quantitative	Macro
134	Circular economy	Environmental	Energy	Consumption	Energy consumption	Quantitative	Micro, Meso, Macro
					Reduction in the contribution of emergency fuel	Quantitative	Micro, Meso
					Reduction in the consumption of emergency electricity	Quantitative	Micro, Meso
134	Circular economy	Environmental	Energy	Efficiency and productivity			
134	Circular economy	Economic	Economic Development	Materials and Resource Efficiency Metrics	Locally available non-renewable inputs	Quantitative	Micro, Meso
134	Circular economy	Economic	Economic Development	Materials and Resource Efficiency Metrics	Locally available renewable inputs	Quantitative	Micro, Meso
134	Circular economy	Economic	Economic Development	Materials and Resource Efficiency Metrics	Non-renewable imported inputs	Quantitative	Micro, Meso, Macro
134	Circular economy	Economic	Economic Development	Sectoral and Regional Development	Development in cities	Quantitative/Qualitative	Micro, Meso, Macro
134	Circular economy	Economic	Financial performance metrics	Profitability Metrics	Profitability of CE business models	Quantitative	Micro, Meso
134	Circular economy	Economic	Costs and expenses	Public and Governmental Costs	Governmental spending on CE policies	Quantitative	Macro
134	Circular economy	Economic	Supply Chain	Production Efficiency and Quality	Land-product relationship	Quantitative	Micro, Meso

134	Circular economy	Economic	Supply Chain	Logistics and Transportation	Multiuse transport corridors	Quantitative	Micro, Meso, Macro
134	Circular economy	Social	Welfare	Quality and Rights	Evaluation of the social life cycle	Quantitative/Qualitative	Micro, Meso, Macro
134	Circular economy	Social	Welfare	Quality and Rights	Green space per capita	Quantitative	Micro, Meso
134	Circular economy	Social	Welfare	Quality and Rights	Reduction in the food emergency	Quantitative/Qualitative	Micro, Meso, Macro
134	Circular economy	Social	Societal Influence	Accessibility and Inclusion	Car sharing	Quantitative	Micro, Meso, Macro
			Community and Society				
134	Circular economy	Social	Empowerment	Social Participation and Empowerment	Network of actors	Quantitative/Qualitative	Micro, Meso, Macro
134	Circular economy	Social	Job Creation and Supply Chain	Job Creation and employment	Employment related to CE business	Quantitative	Macro
				Technological Advancement and	Investment in technologies (Transit		
134	Circular economy	Technological		Innovation Capacity	guided by development)	Quantitative	Micro, Meso, Macro
135	EU's Monitoring Framework	Environmental	Metrics and indices	Environmental Performance Metrics	Material footprint	Quantitative	Micro, Meso, Macro
135	EU's Monitoring Framework	Circularity	Circularity Metrics and Indices	Reusability Metrics	Circular material use rate	Quantitative	Micro, Meso, Macro
					Recovery rate of construction and		
135	EU's Monitoring Framework	Circularity	Circularity Metrics and Indices	Recoverability Metrics	demolition waste	Quantitative	Micro, Meso, Macro
135	EU's Monitoring Framework	Circularity	Circularity Metrics and Indices	Recyclability Metrics	Recycling of biowaste	Quantitative	Micro, Meso, Macro
135	EU's Monitoring Framework	Circularity	Circularity Metrics and Indices	Recyclability Metrics	Recycling rate of e-waste	Quantitative	Micro, Meso, Macro
135	EU's Monitoring Framework	Circularity	Circularity Metrics and Indices	Recyclability Metrics	Recycling rate of glass waste	Quantitative	Micro, Meso, Macro
135	EU's Monitoring Framework	Circularity	Circularity Metrics and Indices	Recyclability Metrics	Recycling rate of municipal waste	Quantitative	Micro, Meso, Macro
135	EU's Monitoring Framework	Circularity	Circularity Metrics and Indices	Recyclability Metrics	Recycling rate of packaging waste	Quantitative	Micro, Meso, Macro
					Recycling rate of paper and cardboard		
135	EU's Monitoring Framework	Circularity	Circularity Metrics and Indices	Recyclability Metrics	packaging waste	Quantitative	Micro, Meso, Macro
135	EU's Monitoring Framework	Circularity	Circularity Metrics and Indices	Recyclability Metrics	Recycling rate of plastic waste	Quantitative	Micro, Meso, Macro
135	EU's Monitoring Framework	Environmental	Waste	Generation	Generation of municipal waste per capita	Quantitative	Macro
					Generation of waste excluding major		
135	EU's Monitoring Framework	Environmental	Waste	Generation	mineral wastes per GDP unit	Quantitative	Macro
135	EU's Monitoring Framework	Environmental	Waste	Generation	Generation of packaging waste per capita	Quantitative	Macro
					Generation of plastic packaging waste per		
135	EU's Monitoring Framework	Environmental	Waste	Generation	capita	Quantitative	Macro
135	EU's Monitoring Framework	Economic	Economic Development	Materials and Resource Efficiency Metrics	Resource productivity	Quantitative	Micro, Meso, Macro
135	EU's Monitoring Framework	Economic	Trade and Globalization	Import	Imports recyclable raw materials intra-	Quantitative	Macro
135	EU's Monitoring Framework	Economic	Trade and Globalization	Import	Imports recyclable raw materials extra-	Quantitative	Macro
135	EU's Monitoring Framework	Economic	Trade and Globalization	Export	Exports recyclable raw materials extra-	Quantitative	Macro
135	EU's Monitoring Framework	Economic	Trade and Globalization	Trade	Extra-EU27 trade balance paper and	Quantitative	Macro
135	EU's Monitoring Framework	Economic	Trade and Globalization	Trade	Extra-EU27 trade balance Plastics	Quantitative	Macro
135	EU's Monitoring Framework	Economic	Trade and Globalization	Trade	Extra-EU27 trade balance metal ferrous	Quantitative	Macro
					Value added at factor cost related to		
135	EU's Monitoring Framework	Economic	Economic Development	Growth and Value Added	circular economy sectors (percentage	Quantitative	Macro
					Gross investment in tangible goods		
135	EU's Monitoring Framework	Economic	Investment	Green and Sustainable Investments	related to circular economy sectors	Quantitative	Macro
					Persons employed related to circular		
135	EU's Monitoring Framework	Social	Job Creation and Supply Chain	Job Creation and employment	economy sectors (percentage of total	Quantitative	Micro, Meso, Macro
					Patents related to recycling and		
135	EU's Monitoring Framework	Technological		Patents and Intellectual Property	secondary raw materials	Quantitative	Micro, Meso, Macro
136	Water and Wastewater Sector	Environmental	Metrics and indices	Environmental Performance Metrics	Water footprint	Quantitative	Micro, Meso, Macro
136	Water and Wastewater Sector	Environmental	Metrics and indices	Environmental Performance Metrics	Water footprint	Quantitative	Micro, Meso, Macro
136	Water and Wastewater Sector	Environmental	Metrics and indices	Environmental Performance Metrics	Water footprint	Quantitative	Micro, Meso, Macro
136	Water and Wastewater Sector	Environmental	Environmental Impacts	Resource Depletion and Efficiency	Limited pressure on primary resource	Quantitative/Qualitative	Micro, Meso, Macro
136	Water and Wastewater Sector	Environmental	Environmental Impacts	Resource Depletion and Efficiency	Limited pressure on fossil fuel deposits	Quantitative/Qualitative	Micro, Meso, Macro

136	Water and Wastewater Sector	Environmental	Environmental Impacts	Eutrophication	Eutrophication	Quantitative	Micro, Meso, Macro
136	Water and Wastewater Sector	Environmental	Water	Quality and Treatment	Clean aquatic environment	Quantitative/Qualitative	Micro, Meso, Macro
136	Water and Wastewater Sector	Environmental	Environmental Impacts	Eutrophication	Toxicity to aquatic organisms	Quantitative	Micro, Meso, Macro
136	Water and Wastewater Sector	Environmental	Water	Efficiency and Productivity	Water savings in the industry	Quantitative	Micro, Meso
136	Water and Wastewater Sector	Environmental	Water	Efficiency and Productivity	Water savings in the household	Quantitative	Micro, Meso
136	Water and Wastewater Sector	Environmental	Water	Efficiency and Productivity	Water savings in the industry	Quantitative	Micro, Meso
136	Water and Wastewater Sector	Environmental	Water	Efficiency and Productivity	Water savings in agriculture	Quantitative	Micro, Meso
136	Water and Wastewater Sector	Environmental	Water	Efficiency and Productivity	Water savings in the household	Quantitative	Micro, Meso
136	Water and Wastewater Sector	Environmental	Water	Consumption	Water consumption per person	Quantitative	Micro, Meso
136	Water and Wastewater Sector	Environmental	Water	Management and stress	Protection of water resources	Quantitative/Qualitative	Micro, Meso, Macro
136	Water and Wastewater Sector	Economic	Costs and expences	Production and Operational Costs	Cost of materials (incl. nutrients) recovery Investment in infrastructure— energy/raw materials recovery	Quantitative	Micro, Meso
136	Water and Wastewater Sector	Economic	Investment	Green and Sustainable Investments	materials recovery	Quantitative	Micro, Meso
136	Water and Wastewater Sector	Economic	Costs and expences	Training, Education, and Healthcare Costs	Costs of training for specialists	Quantitative	Micro, Meso
136	Water and Wastewater Sector	Economic	Costs and expences	Training, Education, and Healthcare Costs	Costs of training for society	Quantitative	Micro, Meso
136	Water and Wastewater Sector	Economic	Costs and expences	Production and Operational Costs	Cost of water/wastewater treatment Investment in infrastructure—water/wastewater	Quantitative	Micro, Meso
136	Water and Wastewater Sector	Economic	Investment	Green and Sustainable Investments	Income from treated water/wastewater sales (circulation)	Quantitative	Micro, Meso
136	Water and Wastewater Sector	Economic	Financial performance metrics	Profitability Metrics	Cost of water/wastewater recycling (potable usage)	Quantitative	Micro, Meso
136	Water and Wastewater Sector	Economic	Costs and expences	Production and Operational Costs	Investment in infrastructure—water/wastewater	Quantitative	Micro, Meso
136	Water and Wastewater Sector	Economic	Investment	Green and Sustainable Investments	Costs of water consumption (industry; households)	Quantitative	Micro, Meso
136	Water and Wastewater Sector	Economic	Costs and expences	Production and Operational Costs	Investment in infrastructure—water usage reduction	Quantitative	Micro, Meso
136	Water and Wastewater Sector	Economic	Investment	Green and Sustainable Investments	Income from reduced water consumption	Quantitative	Micro, Meso
136	Water and Wastewater Sector	Economic	Financial performance metrics	Profitability Metrics	Cost of water/wastewater reuse (non-potable usage)	Quantitative	Micro, Meso
136	Water and Wastewater Sector	Economic	Costs and expences	Production and Operational Costs	Investment in infrastructure—water/wastewater reuse	Quantitative	Micro, Meso
136	Water and Wastewater Sector	Economic	Investment	Green and Sustainable Investments	Cost of energy recovery	Quantitative	Micro, Meso
136	Water and Wastewater Sector	Social	Welfare	Health and Safety	Exposure to pollutants from the aquatic environment	Quantitative	Micro, Meso
136	Water and Wastewater Sector	Social	Welfare	Training and Development	Increasing ecological awareness in the field of water and wastewater	Quantitative/Qualitative	Micro, Meso, Macro
136	Water and Wastewater Sector	Social	Societal Influence Community and Society	Accessibility and Inclusion	Access to recovered raw materials (incl. nutrients)	Quantitative	Micro, Meso
136	Water and Wastewater Sector	Social	Empowerment	Social Participation and Empowerment	Changing consumer behavior Access to toxic-free food from the aquatic environment	Quantitative/Qualitative	Micro, Meso, Macro
136	Water and Wastewater Sector	Social	Societal Influence	Accessibility and Inclusion	Access to clean water	Quantitative	Micro, Meso, Macro
136	Water and Wastewater Sector	Social	Societal Influence	Accessibility and Inclusion	Access to recirculated wastewater	Quantitative	Micro, Meso
136	Water and Wastewater Sector	Social	Societal Influence	Accessibility and Inclusion	Access to recirculated water	Quantitative	Micro, Meso
136	Water and Wastewater Sector	Social	Societal Influence	Behavior and Communication	Household water-saving activities	Quantitative	Micro, Meso

136	Water and Wastewater Sector	Social	Societal Influence	Accessibility and Inclusion	Access to recovered energy	Quantitative	Micro, Meso
137	Optimal planning of energy systems	Environmental	Metrics and indices	Environmental Performance Metrics	Absolute material impact indicator	Quantitative/Qualitative	Micro, Meso, Macro
137	Optimal planning of energy systems	Environmental	Metrics and indices	Environmental Performance Metrics	Relative material impact indicator	Quantitative/Qualitative	Micro, Meso, Macro
137	Optimal planning of energy systems	Environmental	Environmental Impacts	Global Warming and other Emissions	Total emissions generated by conventional technologies, ton CO2eq	Quantitative	Micro, Meso, Macro
137	Optimal planning of energy systems	Environmental	Energy	Efficiency and productivity	Energy self-sufficiency	Quantitative	Micro, Meso, Macro
137	Optimal planning of energy systems	Environmental	Energy	Production	Electricity generated by each of the technologies	Quantitative	Micro, Meso
137	Optimal planning of energy systems	Environmental	Energy	Production	Total energy produced by the different technologies	Quantitative	Micro, Meso, Macro
138	CE Monitoring Framework	Environmental	Metrics and indices	Waste Management Metrics	Not local valorization plants	Quantitative	Meso, Macro
138	CE Monitoring Framework	Circularity	Circular Business Models and Practices	Business Models and strategies	Circular economy strategies in the organization	Qualitative	Micro, Meso
138	CE Monitoring Framework	Circularity	Circularity Metrics and Indices	Recoverability Metrics	By-products	Quantitative	Micro, Meso, Macro
138	CE Monitoring Framework	Circularity	Circularity Metrics and Indices	Recyclability Metrics	Municipal and/or special waste collected separately	Quantitative	Micro, Meso, Macro
138	CE Monitoring Framework	Circularity	Circularity Metrics and Indices	Recyclability Metrics	Renewable or recycled resources used for packaging	Quantitative	Micro, Meso, Macro
138	CE Monitoring Framework	Circularity	Circularity Metrics and Indices	Recoverability Metrics	Self-produced electricity from renewable sources and/or recovery processes	Quantitative	Micro, Meso, Macro
138	CE Monitoring Framework	Circularity	Circularity Metrics and Indices	Recoverability Metrics	Waste treated at local valorization plants	Quantitative	Micro, Meso, Macro
138	CE Monitoring Framework	Circularity	Circularity Metrics and Indices	Recoverability Metrics	Water from recovery and/or recycling	Quantitative	Micro, Meso, Macro
138	CE Monitoring Framework	Economic	Economic Development	Materials and Resource Efficiency Metrics	Inbound virgin material resources, outbound residues	Quantitative	Micro, Meso, Macro
138	CE Monitoring Framework	Environmental	Waste	Disposal and landfill	Municipal and/or special waste sent to	Quantitative	Micro, Meso, Macro
138	CE Monitoring Framework	Environmental	Waste	Generation	Municipal and/or special waste produced	Quantitative	Micro, Meso, Macro
138	CE Monitoring Framework	Environmental	Water	Management and Stress	Water needs	Quantitative	Micro, Meso, Macro
138	CE Monitoring Framework	Environmental	Energy	Consumption	Electricity consumed	Quantitative	Micro, Meso, Macro
138	CE Monitoring Framework	Environmental	Energy	Efficiency and productivity	Energy performance index of the buildings	Quantitative	Micro, Meso
138	CE Monitoring Framework	Economic	Economic Development	Materials and Resource Efficiency Metrics	Secondary material resources	Quantitative	Micro, Meso, Macro
138	CE Monitoring Framework	Social	Job Creation and Supply Chain	Job Creation and Employment	Employees adhering to sustainable mobility initiatives	Quantitative/Qualitative	Micro, Meso
140	Circular Economy	Circularity	Circularity Metrics and Indices	Circularity and performancd Indicators	Circularity gap	Quantitative/Qualitative	Micro, Meso, Macro
140	Circular Economy	Circularity	Circularity Metrics and Indices	Circularity and performancd Indicators	Circularity potential	Quantitative/Qualitative	Micro, Meso, Macro
140	Circular Economy	Circularity	Circularity Metrics and Indices	Circularity and performancd Indicators	Circularity rate	Quantitative	Micro, Meso, Macro
140	Circular Economy	Environmental	Material and resources	Consumption	Domestic extraction	Quantitative	Micro, Meso, Macro
140	Circular Economy	Environmental	Material and resources	Consumption	Domestic material consumption	Quantitative	Micro, Meso, Macro
140	Circular Economy	Economic	Trade and Globalization	Import	Imports	Quantitative	Macro
140	Circular Economy	Economic	Trade and Globalization	Export	Exports	Quantitative	Macro
141	Circular Economy	Circularity	Circularity Metrics and Indices	Circularity and performancd Indicators	Share of hectares of CE activities in the port area	Quantitative	Micro, Meso
141	Circular Economy	Circularity	Circularity Metrics and Indices	Circularity and performancd Indicators	Share of port companies which are members of a CE platform/s in the port	Quantitative	Micro, Meso
141	Circular Economy	Circularity	Circularity Metrics and Indices	Circularity and performancd Indicators	Share of secondary material consumption in the port area	Quantitative	Micro, Meso
141	Circular Economy	Circularity	Circularity Metrics and Indices	Circularity and performancd Indicators	Share of tender specifications which include a circular procurement policy	Quantitative	Micro, Meso, Macro

141	Circular Economy	Circularity	Circularity Metrics and Indices	Recoverability Metrics	Amount of end-of-life material processed in the port area	Quantitative	Micro, Meso
141	Circular Economy	Circularity	Circularity Metrics and Indices	Recyclability Metrics	Share of non-recyclable waste generated in the port area	Quantitative	Micro, Meso
141	Circular Economy	Circularity	Circularity Metrics and Indices	Recyclability Metrics	Share of non-recyclable waste generated onboard ships	Quantitative	Micro, Meso
141	Circular Economy	Environmental	Waste	Disposal and landfill	Share of cargo volume of end-of-life	Quantitative	Meso, Macro
141	Circular Economy	Economic	Economic Development	Infrastructure and Assets	Share of CE start-ups in the port area which make use of incubation services	Quantitative	Micro, Meso
141	Circular Economy	Economic	Economic Development	Infrastructure and Assets	Number of CE business activities located in the port area	Quantitative	Micro, Meso
141	Circular Economy	Economic	Economic Development	Infrastructure and Assets	Number of CE projects in the port area	Quantitative	Micro, Meso
141	Circular Economy	Social	Job Creation and Supply Chain	Job Creation and Employment	Share of direct employment from CE activities and projects in port area	Quantitative	Micro, Meso, Macro
144	Whole building	Environmental	Metrics and indices	Environmental Performance Metrics	Total mass of material	Quantitative	Micro, Meso
144	Whole building	Circularity	Circularity Metrics and Indices	Circularity and performance Indicators	Element Circularity Indicator	Quantitative	Micro, Meso, Macro
144	Whole building	Circularity	Circularity Metrics and Indices	Circularity and performance Indicators	System level circularity	Quantitative	Micro, Meso, Macro
144	Whole building	Circularity	Circularity Metrics and Indices	Circularity and performance Indicators	Utility factor	Quantitative	Micro, Meso
144	Whole building	Circularity	Circularity Metrics and Indices	Recoverability Metrics	Unrecoverable waste	Quantitative	Micro, Meso
144	Whole building	Circularity	Circularity Metrics and Indices	Circularity and performance Indicators	Whole-Building Circularity Indicator	Quantitative	Micro, Meso, Macro
144	Whole building	Environmental	Waste	Generation	Material waste	Quantitative	Micro, Meso, Macro
144	Whole building	Environmental	Waste	Generation	Waste produced during recycling	Quantitative	Micro, Meso
144	Whole building	Economic	Economic Development	Materials and Resource Efficiency Metrics	Material Circularity Indicator	Quantitative	Micro, Meso, Macro
144	Whole building	Economic	Economic Development	Materials and Resource Efficiency Metrics	Material Normalization Index	Quantitative	Micro, Meso
144	Whole building	Economic	Economic Development	Materials and Resource Efficiency Metrics	Virgin input	Quantitative	Micro, Meso
148	Building and construction sector	Environmental	Metrics and indices	Environmental Performance Metrics	Carbon content of the biological material (Default value = 45%)	Quantitative	Micro, Meso
148	Building and construction sector	Environmental	Metrics and indices	Waste Management Metrics	Mass of unrecoverable waste through a product's material going into landfill or energy recovery	Quantitative	Micro, Meso
148	Building and construction sector	Economic	Economic Development	Materials and Resource Efficiency Metrics	Fraction of a product's biological feedstock from sustained production	Quantitative	Micro, Meso
148	Building and construction sector	Circularity	Circularity Metrics and Indices	Circularity and performance Indicators	Utility of a product	Quantitative/Qualitative	Micro, Meso
148	Building and construction sector	Circularity	Circularity Metrics and Indices	Longevity and Durability Metrics	Actual average lifetime of a product	Quantitative	Micro, Meso
148	Building and construction sector	Circularity	Circularity Metrics and Indices	Longevity and Durability Metrics	Actual average number of functional units achieved during the use phase of a	Quantitative	Micro, Meso
148	Building and construction sector	Circularity	Circularity Metrics and Indices	Longevity and Durability Metrics	Average lifetime of an industry average product of the same type	Quantitative	Micro, Meso
148	Building and construction sector	Circularity	Circularity Metrics and Indices	Longevity and Durability Metrics	Average number of functional units achieved during the use phase of an industry-average product of the same type	Quantitative	Micro, Meso
148	Building and construction sector	Circularity	Circularity Metrics and Indices	Recyclability Metrics	Efficiency of the recycling process used for the portion of a product collected for	Quantitative	Micro, Meso
148	Building and construction sector	Circularity	Circularity Metrics and Indices	Recyclability Metrics	Efficiency of the recycling process used to produce recycled feedstock for a product	Quantitative	Micro, Meso
148	Building and construction sector	Circularity	Circularity Metrics and Indices	Reusability Metrics	Fraction from reused sources	Quantitative	Micro, Meso
148	Building and construction sector	Circularity	Circularity Metrics and Indices	Recyclability Metrics	Fraction of feedstock derived from recycled sources	Quantitative	Micro, Meso

148	Building and construction sector	Circularity	Circularity Metrics and Indices	Recyclability Metrics	Fraction of mass of a product being collected for energy recovery	Quantitative	Micro, Meso
148	Building and construction sector	Circularity	Circularity Metrics and Indices	Recyclability Metrics	Fraction of mass of a product being collected to go into a recycling process	Quantitative	Micro, Meso
148	Building and construction sector	Circularity	Circularity Metrics and Indices	Reusability Metrics	Fraction of mass of a product going into component reuse	Quantitative	Micro, Meso
148	Building and construction sector	Circularity	Circularity Metrics and Indices	Recoverability Metrics	Overall amount of unrecoverable waste	Quantitative	Micro, Meso
148	Building and construction sector	Environmental	Waste	Generation	Mass of unrecoverable waste generated in the process of recycling parts of a product	Quantitative	Micro, Meso
148	Building and construction sector	Environmental	Waste	Generation	Mass of unrecoverable waste generated when producing recycled feedstock for a	Quantitative	Micro, Meso
148	Building and construction sector	Economic	Economic Development	Materials and Resource Efficiency Metrics	Mass of a product	Quantitative	Micro, Meso
148	Building and construction sector	Economic	Economic Development	Materials and Resource Efficiency Metrics	Mass of virgin material	Quantitative	Micro, Meso
149	Circular Economy	Circularity	Circularity Metrics and Indices	Reusability Metrics	Reusable textiles bring sites (% of citizens living within a certain distance from the bring site)	Quantitative	Micro, Meso
149	Circular Economy	Environmental	Waste	Generation	Plastic packaging bring sites (% of citizens living within a certain distance from the bring site)	Quantitative	Micro, Meso
149	Circular Economy	Social	Welfare	Training and Development	The CE education offerings of universities of applied sciences	Quantitative	Macro
149	Circular Economy	Social	Job Creation and Supply Chain	Job Creation and Employment	Subsidised employment of vulnerable groups in recycling	Quantitative	Micro, Meso
149	Circular Economy	Social	Societal Influence	Accessibility and Inclusion	Bicycle sharing	Quantitative	Micro, Meso, Macro
149	Circular Economy	Social	Societal Influence	Accessibility and Inclusion	WEEE bring sites (% of citizens living within a certain distance from the bring	Quantitative	Micro, Meso
149	Circular Economy	Social	Job Creation and Supply Chain	Job Creation and Employment	The educational background of persons employed in the CE industries	Quantitative	Micro, Meso
149	Circular Economy	Social	Community and Society	Cultural Engagement	Library items	Quantitative	Meso, Macro
149	Circular Economy	Social	Societal Influence	Accessibility and Inclusion	Biomethane vehicle fuel stations (% of citizens living within a certain drive-time from the station)	Quantitative	Micro, Meso
149	Circular Economy	Social	Job Creation and Supply Chain	Job Creation and Employment	Number of workplaces and their personnel in the CE industries	Quantitative	Micro, Meso
149	Circular Economy	Social	Job Creation and Supply Chain	Job Creation and Employment	The pay level in the CE industries	Quantitative	Micro, Meso
153	Food Systems	Environmental	Metrics and indices	Environmental Performance Metrics	Exergy indicators	Quantitative	Micro, Meso
153	Food Systems	Environmental	Metrics and indices	Waste Management Metrics	Transformation of waste	Quantitative/Qualitative	Micro, Meso, Macro
153	Food Systems	Circularity	Circularity Metrics and Indices	Reusability Metrics	Material use efficiency indicator	Quantitative	Micro, Meso
153	Food Systems	Environmental	Metrics and indices	Environmental Performance Metrics	Water footprint	Quantitative	Micro, Meso, Macro
153	Food Systems	Environmental	Material and resources	Consumption	Domestic material input	Quantitative	Micro, Meso, Macro
153	Food Systems	Environmental	Material and resources	Production	Domestic material output	Quantitative	Micro, Meso, Macro
153	Food Systems	Environmental	Waste	Generation	Avoidable food loss	Quantitative	Micro, Meso, Macro
153	Food Systems	Environmental	Waste	Generation	Unavoidable food loss	Quantitative	Micro, Meso, Macro
153	Food Systems	Environmental	Waste	Generation	Total food loss (equal to avoidable food loss + unavoidable food loss)	Quantitative	Micro, Meso, Macro
153	Food Systems	Environmental	Waste	Treatment and Management	Redistribution of food for human	Quantitative	Micro, Meso
153	Food Systems	Environmental	Waste	Treatment and Management	Food valorization	Quantitative	Micro, Meso

153	Food Systems	Environmental	Waste	Generation	Amount of distributed leftover	Quantitative	Micro, Meso
153	Food Systems	Environmental	Waste	Generation	Amount of food waste	Quantitative	Micro, Meso, Macro
153	Food Systems	Environmental	Waste	Treatment and Management	Cleaning materials	Quantitative	Micro, Meso
153	Food Systems	Environmental	Waste	Generation	Food production waste	Quantitative	Micro, Meso
153	Food Systems	Environmental	Waste	Generation	Amount of rest intake	Quantitative	Micro, Meso
					Emissions from agriculture (GHG per LSU		
153	Food Systems	Environmental	Environmental Impacts	Global Warming and other Emissions	and GHG per ha)	Quantitative	Micro, Meso, Macro
153	Food Systems	Environmental	Environmental Impacts	Global Warming and other Emissions	GHG emissions (kg CO2 eq.)	Quantitative	Micro, Meso, Macro
153	Food Systems	Environmental	Environmental Impacts	Global Warming and other Emissions	Global warming reduction potential	Quantitative	Micro, Meso, Macro
153	Food Systems	Environmental	Environmental Impacts	Land Use	Land cover	Quantitative	Micro, Meso, Macro
					Areas facing natural and other specific		
153	Food Systems	Environmental	Environmental Impacts	Land Use	constraints	Quantitative/Qualitative	Micro, Meso, Macro
153	Food Systems	Environmental	Environmental Impacts	Soil Quality	Soil erosion by water	Quantitative	Micro, Meso, Macro
					Conservation status of agricultural		
153	Food Systems	Environmental	Environmental Impacts	Biodiversity	habitats (grassland)	Quantitative/Qualitative	Micro, Meso, Macro
153	Food Systems	Environmental	Environmental Impacts	Biodiversity	Farmland birds index	Quantitative	Micro, Meso, Macro
153	Food Systems	Environmental	Environmental Impacts	Biodiversity	High-nature-value farming	Quantitative/Qualitative	Micro, Meso, Macro
153	Food Systems	Environmental	Environmental Impacts	Biodiversity	Natura 2000 areas	Quantitative	Micro, Meso, Macro
153	Food Systems	Environmental	Environmental Impacts	Biodiversity	Protected Forests	Quantitative	Micro, Meso, Macro
153	Food Systems	Environmental	Agriculture	Products and by-products	Farming intensity	Quantitative	Micro, Meso
153	Food Systems	Environmental	Agriculture	Land	Irrigated land	Quantitative	Micro, Meso
153	Food Systems	Environmental	Agriculture	Products and by-products	Organic area and organic producers	Quantitative	Micro, Meso, Macro
					Sales use of antimicrobials in food-		
153	Food Systems	Environmental	Agriculture	Products and by-products	producing animals	Quantitative	Micro, Meso
					Share of a member state organic farming		
153	Food Systems	Environmental	Agriculture	Land	area compared to total UAA	Quantitative	Micro, Meso, Macro
153	Food Systems	Environmental	Agriculture	Land	Share of organic area receiving CAP	Quantitative	Micro, Meso, Macro
153	Food Systems	Environmental	Environmental Impacts	Soil Quality	Soil organic matter in arable land	Quantitative/Qualitative	Micro, Meso
					Sustainable and reduced use of		
153	Food Systems	Environmental	Agriculture	Pesticides	pesticides: risk, use, and impact of	Quantitative/Qualitative	Micro, Meso, Macro
153	Food Systems	Environmental	Water	Quality and Treatment	Water quality	Quantitative/Qualitative	Micro, Meso, Macro
153	Food Systems	Environmental	Water	Consumption	Water withdrawal in agriculture	Quantitative	Micro, Meso
					Production of renewable energy from		
153	Food Systems	Environmental	Energy	Production	agriculture and forestry	Quantitative	Micro, Meso, Macro
153	Food Systems	Environmental	Energy	Production	Hydrogen yield potential	Quantitative	Micro, Meso
					Energy use in agriculture, forestry, and		
153	Food Systems	Environmental	Energy	Intensity	food industry	Quantitative	Micro, Meso, Macro
153	Food Systems	Economic	Supply Chain	Network Strategy and Agility	Improvement of the supply chain	Quantitative/Qualitative	Micro, Meso
153	Food Systems	Economic	Financial performance metrics	Profitability Metrics	Net present value	Quantitative	Micro, Meso
153	Food Systems	Economic	Financial performance metrics	Profitability Metrics	Internal rate of return	Quantitative	Micro, Meso
153	Food Systems	Economic	Financial performance metrics	Valuation and Risk Metrics	Cost-to-benefit ratio	Quantitative	Micro, Meso
153	Food Systems	Economic	Financial performance metrics	Valuation and Risk Metrics	Private cost/benefit to external	Quantitative/Qualitative	Micro, Meso
153	Food Systems	Economic	Financial performance metrics	Profitability Metrics	Return on investment	Quantitative	Micro, Meso
153	Food Systems	Economic	Financial performance metrics	Payback and Recovery Metrics	Payback period	Quantitative	Micro, Meso
			Community and Society				
153	Food Systems	Social	Empowerment	Social Participation and Empowerment	Food waste prevention governance	Quantitative/Qualitative	Micro, Meso, Macro
			Community and Society				
153	Food Systems	Social	Empowerment	Social Participation and Empowerment	Consumer behavior change	Quantitative/Qualitative	Micro, Meso, Macro

154	Company Level	Circularity	Circularity Metrics and Indices Circular Business Models and	Sustainability Indices	Sustainable Circular Index	Quantitative/Qualitative	Micro, Meso, Macro
154	Company Level	Circularity	Practices	Business Models and strategies	Circular Transitions Indicators for Organizations considering Sustainability and Business Models	Quantitative/Qualitative	Micro, Meso, Macro
154	Company Level	Circularity	Circularity Metrics and Indices	Sustainability Indices		Quantitative/Qualitative	Micro, Meso, Macro
154	Company Level	Environmental	Material and resources	Production	Product Output	Quantitative	Micro, Meso
154	Company Level	Environmental	Material and resources	Production	Material Output	Quantitative	Micro, Meso
154	Company Level	Environmental	Environmental Impacts	Global Warming and other Emissions	Emission Output	Quantitative	Micro, Meso, Macro
154	Company Level	Environmental	Water	Efficiency and Productivity	Water Input	Quantitative	Micro, Meso
154	Company Level	Environmental	Energy	Efficiency and productivity	Energy Input	Quantitative	Micro, Meso
154	Company Level	Economic	Financial performance metrics	Profitability Metrics	Turnover	Quantitative	Micro, Meso
154	Company Level	Economic	Supply Chain	Production Efficiency and Quality	Equipment Output	Quantitative	Micro, Meso
154	Company Level	Social	Welfare	Health and Safety	Accidents	Quantitative	Macro
154	Company Level	Social	Welfare	Training and Development	Training	Quantitative/Qualitative	Micro, Meso
155	Circular Economy	Environmental	Metrics and indices	Environmental Performance Metrics	Consumption footprint	Quantitative	Micro, Meso, Macro
155	Circular Economy	Circularity	Circularity Metrics and Indices	Reusability Metrics	Circular material use rate	Quantitative	Micro, Meso, Macro
155	Circular Economy	Circularity	Circularity Metrics and Indices	Recyclability Metrics	Recycling rate of municipal waste	Quantitative	Micro, Meso, Macro
155	Circular Economy	Circularity	Circularity Metrics and Indices	Recyclability Metrics	Recycling rate of packaging waste by type of packaging	Quantitative	Micro, Meso, Macro
155	Circular Economy	Circularity	Circularity Metrics and Indices	Recyclability Metrics	Recycling rate of waste of electrical and electronic equipment separately Generation of MSW (Municipal Solid Waste) per capita	Quantitative	Micro, Meso, Macro
155	Circular Economy	Environmental	Waste	Generation		Quantitative	Macro
155	Circular Economy	Environmental	Waste	Generation	Generation of packaging waste per capita	Quantitative	Macro
155	Circular Economy	Environmental	Environmental Impacts	Global Warming and other Emissions	Greenhouse gases emissions from production activities	Quantitative	Micro, Meso, Macro
155	Circular Economy	Economic	Economic Development	Materials and Resource Efficiency Metrics	Material import dependency	Quantitative	Macro
155	Circular Economy	Economic	Economic Development	Materials and Resource Efficiency Metrics	Resource productivity	Quantitative	Micro, Meso, Macro
155	Circular Economy	Economic	Trade and Globalization	Import	Trade in recyclable raw materials	Quantitative	Macro
155	Circular Economy	Economic	Trade and Globalization	Export	Trade in recyclable raw materials	Quantitative	Macro
155	Circular Economy	Economic	Economic Development	Private investment	Private investment and gross added value related to circular economy sectors	Quantitative	Micro, Meso, Macro
155	Circular Economy	Social	Job Creation and Supply Chain	Job Creation and employment	Persons employed in circular economy	Quantitative	Micro, Meso, Macro
155	Circular Economy	Technological		Patents and Intellectual Property	Patents related to recycling and secondary raw materials	Quantitative	Micro, Meso, Macro
156	Circular Economy	Environmental	Metrics and indices	Environmental Performance Metrics	Ecolabel holders	Quantitative	Micro, Meso
156	Circular Economy	Circularity	Circularity Metrics and Indices	Recyclability Metrics	Use of secondary raw materials	Quantitative	Micro, Meso, Macro
156	Circular Economy	Environmental	Material and resources	Consumption	Domestic material consumption per	Quantitative	Macro
156	Circular Economy	Environmental	Waste	Disposal and landfill	Waste sent to landfill over time	Quantitative	Micro, Meso, Macro
156	Circular Economy	Environmental	Waste	Generation	Waste quantities	Quantitative	Micro, Meso, Macro
156	Circular Economy	Economic	Economic Development	Infrastructure and Assets	Industrial and territorial ecology projects	Quantitative	Meso, Micro
156	Circular Economy	Economic	Economic Development	Infrastructure and Assets	Industrial and territorial ecology projects Household spending on maintenance and repair	Quantitative	Meso, Micro
156	Circular Economy	Social	Societal Influence	Accessibility and Inclusion	Car-sharing frequency rates	Quantitative	Micro, Meso
156	Circular Economy	Social	Job Creation and Supply Chain	Job Creation and employment	Employment in the circular economy	Quantitative	Macro
158	Mobility and Transport	Environmental	Metrics and indices	Environmental Performance Metrics	Environmental cars in the municipal organization	Quantitative	Micro, Meso



158	Industrial Processing	Environmental	Metrics and indices	Environmental Performance Metrics	Life cycle assessment of enterprise	Quantitative/Qualitative	Micro, Meso, Macro
158	Construction	Environmental	Metrics and indices	Environmental Performance Metrics	Share of buildings with certification to all buildings	Quantitative	Micro, Meso
158	Mobility and Transport	Environmental	Metrics and indices	Environmental Performance Metrics	Share of diesel-powered vehicles to total registered vehicles	Quantitative	Micro, Meso, Macro
158	Mobility and Transport	Environmental	Metrics and indices	Environmental Performance Metrics	Share of electric vehicles to total registered vehicles	Quantitative	Micro, Meso, Macro
158	Mobility and Transport	Environmental	Metrics and indices	Environmental Performance Metrics	Share of hydrogen vehicles to total registered vehicles	Quantitative	Micro, Meso, Macro
158	Construction	Environmental	Metrics and indices	Environmental Performance Metrics	Share of new zero-emission buildings in the total number of new buildings	Quantitative	Micro, Meso
158	Mobility and Transport	Environmental	Metrics and indices	Environmental Performance Metrics	Share of petrol-powered vehicles to total registered vehicles	Quantitative	Micro, Meso, Macro
158	Construction	Environmental	Metrics and indices	Environmental Performance Metrics	Share of public buildings requiring thermal modernization	Quantitative	Micro, Meso
158	Construction	Environmental	Metrics and indices	Waste Management Metrics	Share of reused excavated soil in the total amount of construction and demolition	Quantitative	Micro, Meso
158	Construction	Circularity	Circular Business Models and Practices	Business Models and strategies	Construction works with a minimum level of materials reuse (%)	Quantitative	Micro, Meso
158	Construction	Circularity	Circular Business Models and Practices	Business Models and strategies	Construction works with circular design	Quantitative/Qualitative	Micro, Meso
158	Industrial Processing	Circularity	Circularity Metrics and Indices	Recyclability Metrics	Industrial waste reused as a source of raw materials about total waste	Quantitative	Micro, Meso
158	Construction	Circularity	Circularity Metrics and Indices	Recyclability Metrics	Recycling rate of construction and demolition waste	Quantitative	Micro, Meso, Macro
158	Industrial Processing	Circularity	Circularity Metrics and Indices	Recyclability Metrics	Recycling rate of industrial solid waste	Quantitative	Micro, Meso, Macro
158	Industrial Processing	Circularity	Circularity Metrics and Indices	Reusability Metrics	Reuse rate of industrial water	Quantitative	Micro, Meso
158	Agri-food	Circularity	Circularity Metrics and Indices	Reusability Metrics	Share of reused water in total water use	Quantitative	Micro, Meso, Macro
158	Agri-food	Environmental	Waste	Generation	The amount of food waste	Quantitative	Micro, Meso, Macro
158	Agri-food	Environmental	Waste	Generation	Share of food waste from the sector to total food waste	Quantitative	Micro, Meso
158	Socia-innovation	Environmental	Waste	Generation	The amount of household food waste generated per capita	Quantitative	Micro, Meso
158	Agri-food	Environmental	Waste	Generation	Share of managed waste generated in the sector to total waste	Quantitative	Micro, Meso
158	Agri-food	Environmental	Material and resources	Consumption	Plastic usage	Quantitative	Micro, Meso
158	Construction	Environmental	Waste	Generation	Share of construction and demolition waste in general waste	Quantitative	Micro, Meso, Macro
158	Construction	Environmental	Waste	Generation	The amount of construction and demolition waste generated	Quantitative	Micro, Meso, Macro
158	Construction	Environmental	Waste	Generation	Share of managed construction and demolition waste in the total amount of	Quantitative	Micro, Meso, Macro
158	Industrial Processing	Environmental	Waste	Generation	Total amount of generated industrial	Quantitative	Micro, Meso, Macro
158	Industrial Processing	Environmental	Waste	Generation	Industrial waste generation per unit of industrial value added	Quantitative	Micro, Meso
158	Industrial Processing	Environmental	Waste	Generation	Industrial waste generation in the key industrial sectors	Quantitative	Micro, Meso, Macro

158	Industrial Processing	Environmental	Waste	Generation	Industrial waste produced as % of the total waste produced	Quantitative	Micro, Meso, Macro
158	Agri-food	Environmental	Environmental Impacts	Global Warming and other Emissions	Nitrogen compound emissions (NH3, NOx) to the nitrogen compound total	Quantitative	Micro, Meso, Macro
158	Agri-food	Environmental	Environmental Impacts	Carbon Emissions	CO2 emissions concerning the CO2 total emissions	Quantitative	Micro, Meso, Macro
158	Industrial Processing	Environmental	Environmental Impacts	Carbon Emissions	CO2 emissions resulting from production processes	Quantitative	Micro, Meso, Macro
158	Mobility and Transport	Environmental	Environmental Impacts	Carbon Emissions	Share of CO2 emissions from transport in total CO2 emissions	Quantitative	Micro, Meso, Macro
158	Energy Sector	Environmental	Environmental Impacts	Carbon Emissions	Share of the sector in CO2 emissions	Quantitative	Micro, Meso, Macro
158	Energy Sector	Environmental	Environmental Impacts	Carbon Emissions	Share of the sector in GHG emissions	Quantitative	Micro, Meso, Macro
158	Agri-food	Environmental	Agriculture	Land	Number of organic farms per unit area of agricultural land	Quantitative	Micro, Meso
158	Agri-food	Environmental	Agriculture	Certification	Number of producers with organic	Quantitative	Micro, Meso
158	Agri-food	Environmental	Environmental Impacts	Soil Quality	Percentage of land with maintained or improved soil quality relative to total land	Quantitative	Micro, Meso, Macro
158	Agri-food	Environmental	Agriculture	Land	Percentage of the cultivated area under organic production	Quantitative	Micro, Meso
158	Agri-food	Environmental	Agriculture	Products and by-products	The amount of biomass product per unit	Quantitative	Micro, Meso
158	Agri-food	Environmental	Agriculture	Products and by-products	The amount of managed livestock by-Total consumption of organic N and P	Quantitative	Micro, Meso
158	Agri-food	Environmental	Agriculture	Fertilizer	fertilizers in agricultural production per Total consumption of synthetic N and P	Quantitative	Micro, Meso, Macro
158	Agri-food	Environmental	Agriculture	Fertilizer	fertilizers in agricultural production per unit area	Quantitative	Meso, Macro
158	Industrial Processing	Environmental	Environmental Impacts	Global Warming and other Emissions	Share of the sector in GHG emissions	Quantitative	Micro, Meso, Macro
158	Industrial Processing	Environmental	Environmental Impacts	Global Warming and other Emissions	SO2 emissions resulting from production processes	Quantitative	Micro, Meso, Macro
158	Industrial Processing	Environmental	Waste	Generation	Industrial wastewater generation per unit of industrial value added	Quantitative	Micro, Meso
158	Agri-food	Environmental	Water	Consumption	Water consumption	Quantitative	Micro, Meso, Macro
158	Agri-food	Environmental	Water	Consumption	Share of the agri-food sector in total water consumption	Quantitative	Micro, Meso, Macro
158	Agri-food	Environmental	Water	Consumption	The amount of rainwater used	Quantitative	Micro, Meso
158	Industrial Processing	Environmental	Water	Consumption	Water intensity of industry – industrial water consumption per unit of industrial	Quantitative	Micro, Meso
158	Industrial Processing	Environmental	Water	Consumption	Water consumption per unit of production in the key industrial sectors	Quantitative	Micro, Meso
158	Construction	Environmental	Energy	Intensity	Share of RES in total energy consumption in public buildings	Quantitative	Micro, Meso
158	Energy Sector	Environmental	Energy	Intensity	Share of energy from renewable sources in gross final energy consumption	Quantitative	Micro, Meso, Macro
158	Energy Sector	Environmental	Energy	Intensity	Share of biomass in energy production from RES	Quantitative	Micro, Meso, Macro
158	Energy Sector	Environmental	Energy	Capacity	Installed MW of biomass generation	Quantitative	Macro
158	Energy Sector	Environmental	Energy	Capacity	Number of installations for agricultural biogas production	Quantitative	Meso, Micro

158	Energy Sector	Environmental	Energy	Production	Volume of biofuel production (bioethanol, biodiesel, biomethane)	Quantitative	Micro, Meso
158	Energy Sector	Environmental	Energy	Consumption	Consumption of biofuels	Quantitative	Micro, Meso
158	Energy Sector	Environmental	Energy	Capacity	Installed MW of biomass generation	Quantitative	Micro, Meso, Macro
158	Agri-food	Environmental	Energy	Intensity	Energy consumption of the sector in relation to total demand in the region	Quantitative	Micro, Meso
158	Industrial Processing	Environmental	Energy	Intensity	Energy consumption per unit of industrial value added	Quantitative	Micro, Meso
158	Industrial Processing	Environmental	Energy	Intensity	Energy consumption per unit of production in the key industrial sectors	Quantitative	Micro, Meso
158	Industrial Processing	Environmental	Energy	Intensity	Energy consumption of the key industrial sectors in the total regional energy consumption	Quantitative	Micro, Meso
158	Industrial Processing	Environmental	Energy	Consumption	Electrical energy consumption	Quantitative	Micro, Meso, Macro
158	Energy Sector	Environmental	Energy	Efficiency and productivity	The output of energy: Value added/energy consumption	Quantitative	Micro, Meso
158	Energy Sector	Environmental	Energy	Consumption	Total electricity consumption per Euro 1 million of GDP	Quantitative	Macro
158	Energy Sector	Environmental	Energy	Consumption	Energy consumption per Euro 1 million of GDP	Quantitative	Macro
158	Energy Sector	Environmental	Energy	Efficiency and productivity	Energy productivity (constant GDP to total primary energy consumption)	Quantitative	Macro
158	Socia-innovation	Economic	Costs and expences	Public and Governmental Costs	Number of green public procurements	Quantitative	Micro, Meso
158	Socia-innovation	Economic	Economic Development	GDP Indicators	Share of local GDP allocated to circular economy activities	Quantitative	Meso, Macro
158	Industrial Processing	Economic	Economic Development	Growth and Value Added	Industrial value added in the key sector	Quantitative	Micro, Meso, Macro
158	Socia-innovation	Social	Welfare	Training and Development	Number of information and education activities on CE	Quantitative	Micro, Meso, Macro
158	Socia-innovation	Social	Welfare	Training and Development	Number of people participating in environmental education	Quantitative	Micro, Meso, Macro
158	Mobility and Transport	Social	Societal Influence Community and Society	Accessibility and Inclusion	Passenger transport – total movement of passengers using public transport	Quantitative	Macro
158	Mobility and Transport	Social	Empowerment	Social Participation and Empowerment	Number of municipalities with developed sustainable mobility strategies	Quantitative	Macro
158	Mobility and Transport	Social	Societal Influence	Accessibility and Inclusion	Share of residents using public mass transport services	Quantitative	Macro
158	Mobility and Transport	Social	Societal Influence	Accessibility and Inclusion	Number of cars per household	Quantitative	Macro
158	Mobility and Transport	Social	Societal Influence Community and Society	Accessibility and Inclusion	Carsharing – number of vehicles per 1000 citizens	Quantitative	Meso, Macro
158	Socia-innovation	Social	Empowerment Community and Society	Social Participation and Empowerment	Number of sharing economy projects	Quantitative	Meso, Macro
158	Agri-food	Social	Empowerment	Social Participation and Empowerment	Number of agro-ecological initiatives	Quantitative	Macro
158	Mobility and Transport	Social	Societal Influence	Accessibility and Inclusion	Number of stations and charging points for electric vehicles	Quantitative	Macro
158	Mobility and Transport	Social	Societal Influence	Accessibility and Inclusion	Number of hydrogen refueling stations	Quantitative	Macro
158	Socia-innovation	Social	Job Creation and Supply Chain	Job Creation and Employment	Share of green jobs in total employment in regional companies	Quantitative	Meso, Macro

158	Construction	Technological		Eco-Innovation and Circular Economy	Products and construction techniques covered by life cycle analysis studies	Quantitative/Qualitative	Micro, Meso
158	Energy Sector	Technological		Technological Advancement and Innovation Capacity	Environment-related technologies patents	Quantitative	Micro, Meso, Macro
158	Socia-innovation	Legislation	Economic	Legal authorizations	Required legal authorizations	Qualitative	Micro, Meso
160	Chemical Industry	Environmental	Waste	Generation	% of waste landfilled/total industry	Quantitative	Micro, Meso
160	Chemical Industry	Environmental	Waste	Generation	Reduction of waste generation	Quantitative	Micro, Meso, Macro
160	Chemical Industry	Environmental	Waste	Generation	% of classified waste generated/total % of waste used to generate electricity/total industry	Quantitative	Micro, Meso
160	Chemical Industry	Environmental	Energy	Intensity		Quantitative	Micro, Meso
160	Chemical Industry	Environmental	Waste	Generation	% of waste Incinerated/total industry	Quantitative	Micro, Meso
160	Chemical Industry	Environmental	Environmental Impacts	Global Warming and other Emissions	MP (Particulate Matter) emission	Quantitative	Micro, Meso, Macro
160	Chemical Industry	Environmental	Environmental Impacts	Global Warming and other Emissions	NOx emission reduction	Quantitative	Micro, Meso, Macro
160	Chemical Industry	Environmental	Environmental Impacts	Carbon Emissions	CO2 emission reduction	Quantitative	Micro, Meso, Macro
160	Chemical Industry	Environmental	Environmental Impacts	Carbon Emissions	CO emission reduction	Quantitative	Micro, Meso, Macro
160	Chemical Industry	Environmental	Energy	Efficiency and productivity	Reduction in Energy Consumption % of energy consumption chemical industry/total industry	Quantitative	Micro, Meso, Macro
160	Chemical Industry	Environmental	Energy	Intensity	Assessment of the amount and properties of emissions in terms of the release of waste into the environment	Quantitative	Micro, Meso
162	Production Systems	Environmental	Metrics and indices	Environmental Performance Metrics	End-of-life management and disassembly	Quantitative/Qualitative	Micro, Meso
162	Production Systems	Environmental	Metrics and indices	Waste Management Metrics	On-site and off-site recirculation of Waste management	Quantitative/Qualitative	Micro, Meso
162	Production Systems	Environmental	Metrics and indices	Waste Management Metrics	Production method simplification.	Quantitative/Qualitative	Micro, Meso, Macro
162	Production Systems	Environmental	Metrics and indices	Waste Management Metrics	Reduction in the number of operations	Quantitative/Qualitative	Micro
162	Production Systems	Circularity	Circularity Metrics and Indices	Circularity and performancd Indicators	Reduction/shortening of transport routes	Quantitative/Qualitative	Micro
162	Production Systems	Circularity	Circularity Metrics and Indices	Circularity and performancd Indicators	Combustion of materials to recover	Quantitative	Micro
162	Production Systems	Circularity	Circularity Metrics and Indices	Circularity and performancd Indicators	Incentivized high-quality recycling. In-process recirculation of energy.	Quantitative/Qualitative	Micro, Meso
162	Production Systems	Circularity	Circularity Metrics and Indices	Circularity and performancd Indicators	Incentivized high-quality recycling. In-process recirculation of substrates.	Quantitative/Qualitative	Micro, Meso
162	Production Systems	Circularity	Circularity Metrics and Indices	Circularity and performancd Indicators	Regeneration and recirculation as the most important activities for CE	Quantitative/Qualitative	Micro, Meso, Macro
162	Production Systems	Circularity	Circularity Metrics and Indices	Circularity and performancd Indicators	Increasing the longevity of the product	Quantitative/Qualitative	Micro, Meso
162	Production Systems	Circularity	Circularity Metrics and Indices	Circularity and performancd Indicators	Product-life extension	Quantitative/Qualitative	Micro, Meso
162	Production Systems	Circularity	Circularity Metrics and Indices	Circularity and performancd Indicators	Remanufacturing of used products or their elements into new goods with the same characteristics	Quantitative/Qualitative	Micro, Meso
162	Production Systems	Circularity	Circularity Metrics and Indices	Circularity and performancd Indicators	Take-back schemes of remanufacturing. Separating waste flows and bringing the waste to	Quantitative/Qualitative	Micro, Meso
162	Production Systems	Circularity	Circularity Metrics and Indices	Circularity and performancd Indicators	Reduction in materials consumption figures and of harmful materials used	Quantitative	Micro
162	Production Systems	Circularity	Circularity Metrics and Indices	Circularity and performancd Indicators	Decreased environmental impact through the increase of manufacturing productivity by using a lower number of	Quantitative/Qualitative	Micro, Meso

162	Production Systems	Environmental	Environmental Impacts	Ecotoxicity	Waste release reduction and prevention of pollution emission. Reductions of the toxicity degree of waste and in the formation of secondary waste	Quantitative/Qualitative	Micro, Meso
162	Production Systems	Environmental	Waste	Generation	Refurbishment of older products for their modernization and using spent goods or their parts in new products with different	Quantitative/Qualitative	Micro, Meso
162	Production Systems	Environmental	Waste	Generation	Waste reduction at the source	Quantitative	Micro, Meso, Macro
162	Production Systems	Environmental	Waste	Treatment and Management	Solutions that render the optimum levels of waste collection	Quantitative/Qualitative	Micro, Meso
162	Production Systems	Environmental	Waste	Efficiency	Effective management of waste and by-products.	Quantitative/Qualitative	Micro, Meso
162	Production Systems	Environmental	Energy	Efficiency and productivity	On-site and off-site recirculation of energy	Quantitative/Qualitative	Micro, Meso
162	Production Systems	Environmental	Energy	Efficiency and productivity	Reduction of energy consumption figures	Quantitative	Micro, Meso, Macro
162	Production Systems	Economic	Economic Development	Materials and Resource Efficiency Metrics	Substitution for natural resources by	Quantitative/Qualitative	Micro, Meso
162	Production Systems	Economic	Economic Development	Materials and Resource Efficiency Metrics	Use of renewable energy/bioenergy	Quantitative	Micro, Meso, Macro
162	Production Systems	Economic	Costs and expences	Production and Operational Costs	Total materials cost	Quantitative	Micro, Meso
162	Production Systems	Economic	Costs and expences	Maintenance and Consumable Costs	Reparation and conservation costs	Quantitative	Micro, Meso
162	Production Systems	Economic	Economic Development	Growth and Value Added	Keeping the higher value of goods as long as possible	Quantitative/Qualitative	Micro, Meso
162	Production Systems	Economic	Supply Chain	Production Efficiency and Quality	Goods used more intensively	Quantitative/Qualitative	Micro, Meso
162	Production Systems	Economic	Costs and expences	Production and Operational Costs	Total energy expenses	Quantitative	Micro, Meso
162	Production Systems	Economic	Investment	Capital Investments	Capital expenditures. Time investment, outlays recovery, and implementation	Quantitative	Micro, Meso
162	Production Systems	Economic	Supply Chain	Logistics and Transportation	Optimum location	Qualitative	Micro, Meso
162	Production Systems	Economic	Costs and expences	Production and Operational Costs	Production cost	Quantitative	Micro, Meso
162	Production Systems	Economic	Financial performance metrics	Efficiency and Investment Metrics	Amortization	Quantitative	Micro, Meso
162	Production Systems	Social	Welfare	Health and Safety	Advantageous influence of high-quality goods on human healthiness	Quantitative/Qualitative	Micro, Meso, Macro
162	Production Systems	Social	Welfare	Health and Safety	Decreased hazard for societal healthiness	Quantitative/Qualitative	Micro, Meso, Macro
162	Production Systems	Social	Community and Society	Community Relations	Influence on distribution between parts of society with differentiated revenue	Quantitative/Qualitative	Micro, Meso, Macro
162	Production Systems	Social	Empowerment	Community Relations	Improvement of relationships with society	Quantitative/Qualitative	Micro, Meso, Macro
162	Production Systems	Social	Community and Society	Social Participation and Empowerment	Reuse as the effect of a changing approach in terms of repairs and	Quantitative/Qualitative	Micro, Meso, Macro
162	Production Systems	Social	Empowerment	Social Participation and Empowerment	Reuse by other consumers of discarded goods having adequate quality and having achieved their primary objective	Quantitative/Qualitative	Micro, Meso
162	Production Systems	Social	Community and Society	Social Participation and Empowerment	Abandonment of a product by eliminating its function or by proposing the same characteristic for completely different	Quantitative/Qualitative	Micro, Meso
162	Production Systems	Social	Empowerment	Social Participation and Empowerment	Participation in novel types of consumption	Quantitative/Qualitative	Micro, Meso, Macro
162	Production Systems	Social	Community and Society	Social Participation and Empowerment	Shift in consumption patterns	Quantitative/Qualitative	Micro, Meso, Macro
162	Production Systems	Social	Empowerment	Community Relations	Improvement of relationships with consumer	Quantitative/Qualitative	Micro, Meso

162	Production Systems	Social	Community and Society Empowerment	Social Participation and Empowerment	Degree of adaptation to local conditions	Quantitative/Qualitative	Micro, Meso
162	Production Systems	Social	Job Creation and Supply Chain	Job Creation and Employment	Workplace formation in regions with rising unemployment	Quantitative	Meso, Macro
162	Production Systems	Social	Job Creation and Supply Chain	Job Creation and Employment	Increased numbers of higher-qualified employees	Quantitative	Micro, Meso
162	Production Systems	Social	Job Creation and Supply Chain	Job Creation and employment	Labor demand	Quantitative	Micro, Meso
162	Production Systems	Technological		Technological Advancement and Innovation Capacity	Accessibility of production methods. Difficulty level and implementation time	Quantitative/Qualitative	Micro
162	Production Systems	Technological		Technological Advancement and Innovation Capacity	Technology and project innovation level. Degree of modernity in comparison to the global level according to BAT	Quantitative/Qualitative	Micro
162	Production Systems	Technological		Technological Advancement and Innovation Capacity	Technology and production difficulty level. Risk of implementation and	Quantitative/Qualitative	Micro
162	Production Systems	Technological		Technological Advancement and Innovation Capacity	Improvement in product quality and stability	Quantitative/Qualitative	Micro
162	Production Systems	Technological		Eco-Innovation and Circular Economy	Eco-design for sustainable products, which covers energy-related products	Quantitative/Qualitative	Micro
162	Production Systems	Technological		Technological Advancement and Innovation Capacity	Consistency with the methodology of cleaner production	Quantitative/Qualitative	Micro, Meso
162	Production Systems	Technological		Technological Advancement and Innovation Capacity	Compatibility with the purposes of sustainability	Quantitative/Qualitative	Micro, Meso
162	Production Systems	Technological		Eco-Innovation and Circular Economy	Efficient packaging-design strategies	Quantitative/Qualitative	Micro
162	Production Systems	Technological		Eco-Innovation and Circular Economy	Evaluation of physical characteristics from the production cycles based on LCT procedures, e.g., index of reusability/recyclability/recoverability	Quantitative/Qualitative	Micro
162	Production Systems	Technological		Technological Advancement and Innovation Capacity	Changes in process manuals. Changes in project solutions and modifications of existing technologies	Qualitative	
162	Production Systems	Legislation	Economic	Policies	Consistency with state and EU economic policy	Qualitative	Macro
162	Production Systems	Legislation	Economic	Policies	Consistency with state and EU economic policy	Qualitative	Macro
163	Circular Economy	Environmental	Material and resources	Production	Production and consumption	Quantitative	Micro, Meso, Macro
163	Circular Economy	Environmental	Material and resources	Production	Production	Quantitative	Micro, Meso, Macro
163	Circular Economy	Environmental	Material and resources	Consumption	Material input	Quantitative	Micro, Meso
163	Circular Economy	Environmental	Environmental Impacts	Global Warming and other Emissions	Agriculture total emission	Quantitative	Micro, Meso, Macro
163	Circular Economy	Environmental	Waste	Generation	The volume of industrial waste produced to GDP	Quantitative	Macro
163	Circular Economy	Environmental	Environmental Impacts	Global Warming and other Emissions	Greenhouse gas emissions from industrial activities in CO2 equivalent	Quantitative	Micro, Meso, Macro
163	Circular Economy	Environmental	Water	Consumption	Water consumption in industry to GDP	Quantitative	Macro
163	Circular Economy	Environmental	Energy	Consumption	Renewable energy in the gross final energy consumption by enterprises	Quantitative	Micro, Meso, Macro
163	Circular Economy	Economic	Economic Development	Materials and Resource Efficiency Metrics	Resource productivity	Quantitative	Micro, Meso, Macro
163	Circular Economy	Economic	Supply Chain	Production Efficiency and Quality	Consumption	Quantitative	Micro, Meso
163	Circular Economy	Economic	Financial performance metrics	Efficiency and Investment Metrics	Environmental Capex to total investment	Quantitative	Micro, Meso

163	Circular Economy	Economic	Economic Development	Infrastructure and Assets	Total number CE public contracts to total public contracts	Quantitative	Micro, Meso
163	Circular Economy	Economic	Investment	R&D and Innovation Investments	R&D investment to GDP	Quantitative	Macro
163	Circular Economy	Social	Job Creation and Supply Chain	Job Creation and employment	FTEs in CE-related bodies to total	Quantitative	Micro, Meso, Macro
163	Circular Economy	Technological		Organizational and Social Innovation	Competitiveness and innovation	Quantitative/Qualitative	Micro, Meso, Macro
				Technological Advancement and Innovation Capacity	Number of e-state services addressed to entrepreneurs	Quantitative	Micro, Meso
163	Circular Economy	Technological		Organizational and Social Innovation	The number of environmental certificates	Quantitative	Micro, Meso
165	Agriculture and food industry	Environmental	Environmental Impacts	Acidification	Acidification potential	Quantitative	Macro
165	Agriculture and food industry	Environmental	Environmental Impacts	Global Warming and other Emissions	Global Warming Potential	Quantitative	Micro, Meso, Macro
165	Agriculture and food industry	Environmental	Environmental Impacts	Global Warming and other Emissions	Ozone layer depletion potential	Quantitative	Micro, Meso, Macro
165	Agriculture and food industry	Environmental	Environmental Impacts	Eutrophication	Eutrophication potential	Quantitative	Micro, Meso, Macro
165	Agriculture and food industry	Environmental	Environmental Impacts	Eutrophication	Marine eutrophication	Quantitative	Micro, Meso, Macro
					Proportion of land that is degraded over total land area	Quantitative	Micro, Meso, Macro
					Conservation of fish genetic resource (in number)	Quantitative	Micro, Meso, Macro
165	Agriculture and food industry	Environmental	Environmental Impacts	Biodiversity	Particulate matter formation	Quantitative	Micro, Meso, Macro
165	Agriculture and food industry	Environmental	Environmental Impacts	Global Warming and other Emissions	Photochemical oxidant creation potential	Quantitative	Micro, Meso, Macro
165	Agriculture and food industry	Environmental	Environmental Impacts	Global Warming and other Emissions	Eutrophication	Quantitative	Micro, Meso, Macro
165	Agriculture and food industry	Environmental	Environmental Impacts	Ecotoxicity	Freshwater eutrophication	Quantitative	Micro, Meso, Macro
165	Agriculture and food industry	Environmental	Environmental Impacts	Ecotoxicity	Freshwater ecotoxicity	Quantitative	Micro, Meso, Macro
165	Agriculture and food industry	Environmental	Water	Consumption	Water use	Quantitative	Micro, Meso, Macro
165	Agriculture and food industry	Environmental	Water	Management and stress	Water scarcity index	Quantitative	Micro, Meso, Macro
					Degree of integrated water resources management implementation	Quantitative/Qualitative	Micro, Meso, Macro
					Bioenergy production as a % of renewable energy	Quantitative	Micro, Meso, Macro
165	Agriculture and food industry	Environmental	Energy	Intensity	Wood fuel production	Quantitative	Micro, Meso
165	Agriculture and food industry	Environmental	Energy	Production	Energy self-sufficiency indicator	Quantitative	Micro, Meso, Macro
165	Agriculture and food industry	Environmental	Energy	Efficiency and productivity	Nonrenewable energy demand	Quantitative	Micro, Meso, Macro
165	Agriculture and food industry	Environmental	Energy	Consumption	Renewable energy share in the total final energy consumption	Quantitative	Micro, Meso, Macro
165	Agriculture and food industry	Environmental	Energy	Consumption	Energy required	Quantitative	Micro, Meso
165	Agriculture and food industry	Environmental	Energy	Consumption	Total Energy consumption	Quantitative	Micro, Meso, Macro
165	Agriculture and food industry	Environmental	Energy	Efficiency and productivity	Energy productivity	Quantitative	Micro, Meso, Macro
165	Agriculture and food industry	Environmental	Energy	Efficiency and productivity	Energy productivity	Quantitative	
					Profitability (Assessing the cost-effectiveness of)	Quantitative/Qualitative	Micro, Meso
165	Agriculture and food industry	Economic	Financial performance metrics	Profitability Metrics	Intensity of local competition	Quantitative/Qualitative	Micro, Meso
165	Agriculture and food industry	Economic	Market Dynamics	Competition Dynamics	Gross Value Added	Quantitative	Micro, Meso, Macro
165	Agriculture and food industry	Economic	Economic Development	Growth and Value Added	Total GVA (Gross Value Added) based on total economic output	Quantitative	Micro, Meso, Macro
165	Agriculture and food industry	Economic	Economic Development	Growth and Value Added	Value added to the Economy	Quantitative	Micro, Meso, Macro
165	Agriculture and food industry	Economic	Investment	Green and Sustainable Investments	Total capital investment for CE	Quantitative	Micro, Meso, Macro
165	Agriculture and food industry	Economic	Investment	Capital Investments	Fixed capital investment	Quantitative	Micro, Meso, Macro
					Ratio of investment in research and development in the agri-food sector to the total added value	Quantitative	Micro, Meso, Macro
165	Agriculture and food industry	Economic	Investment	R&D and Innovation Investments			

165	Agriculture and food industry	Economic	Costs and expences	Production and Operational Costs	Cost of manufacture	Quantitative	Micro, Meso
165	Agriculture and food industry	Economic	Financial performance metrics	Payback and Recovery Metrics	Payback period	Quantitative	Micro, Meso
165	Agriculture and food industry	Economic	Costs and expences	Environmental and Disposal Costs	Economic FLW (Food Loss and Waste) indicator	Quantitative	Micro, Meso, Macro
165	Agriculture and food industry	Social	Welfare	Training and Development	Extent of staff training	Quantitative/Qualitative	Micro, Meso
165	Agriculture and food industry	Social	Societal Influence	Accessibility and Inclusion	Social inclusion (Social involvement in the adoption of circular practices)	Quantitative/Qualitative	Micro, Meso, Macro
165	Agriculture and food industry	Social	Job Creation and Supply Chain	Job Creation and Employment	Employment possibilities (Creation of new job opportunities by adopting a	Quantitative	Micro, Meso, Macro
165	Agriculture and food industry	Social	Job Creation and Supply Chain	Job Creation and employment	Total labor compensation based on total economic output	Quantitative	Micro, Meso, Macro
165	Agriculture and food industry	Technological		Technological Advancement and Innovation Capacity	Availability of latest technologies	Quantitative/Qualitative	Micro, Meso, Macro
165	Agriculture and food industry	Technological		Technological Advancement and Innovation Capacity	Capacity for innovation	Quantitative/Qualitative	Micro, Meso, Macro