

VIVO @ Cambridge:

MVP: Minimum Viable Product or Magically Versatile Profile?

Dr Juergen Wastl

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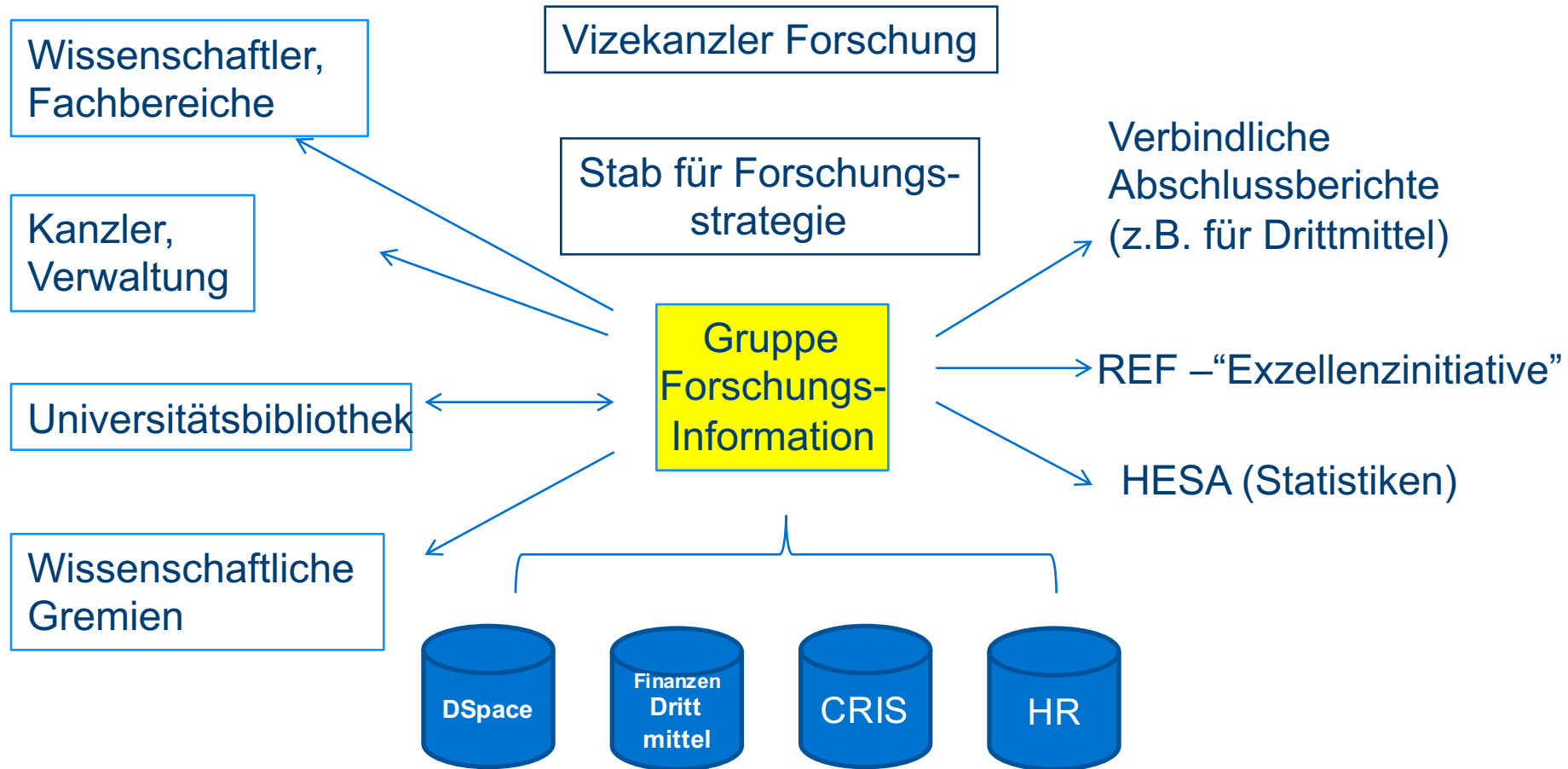
j.wastl@digital-science.com

Research Strategy Office, University of Cambridge

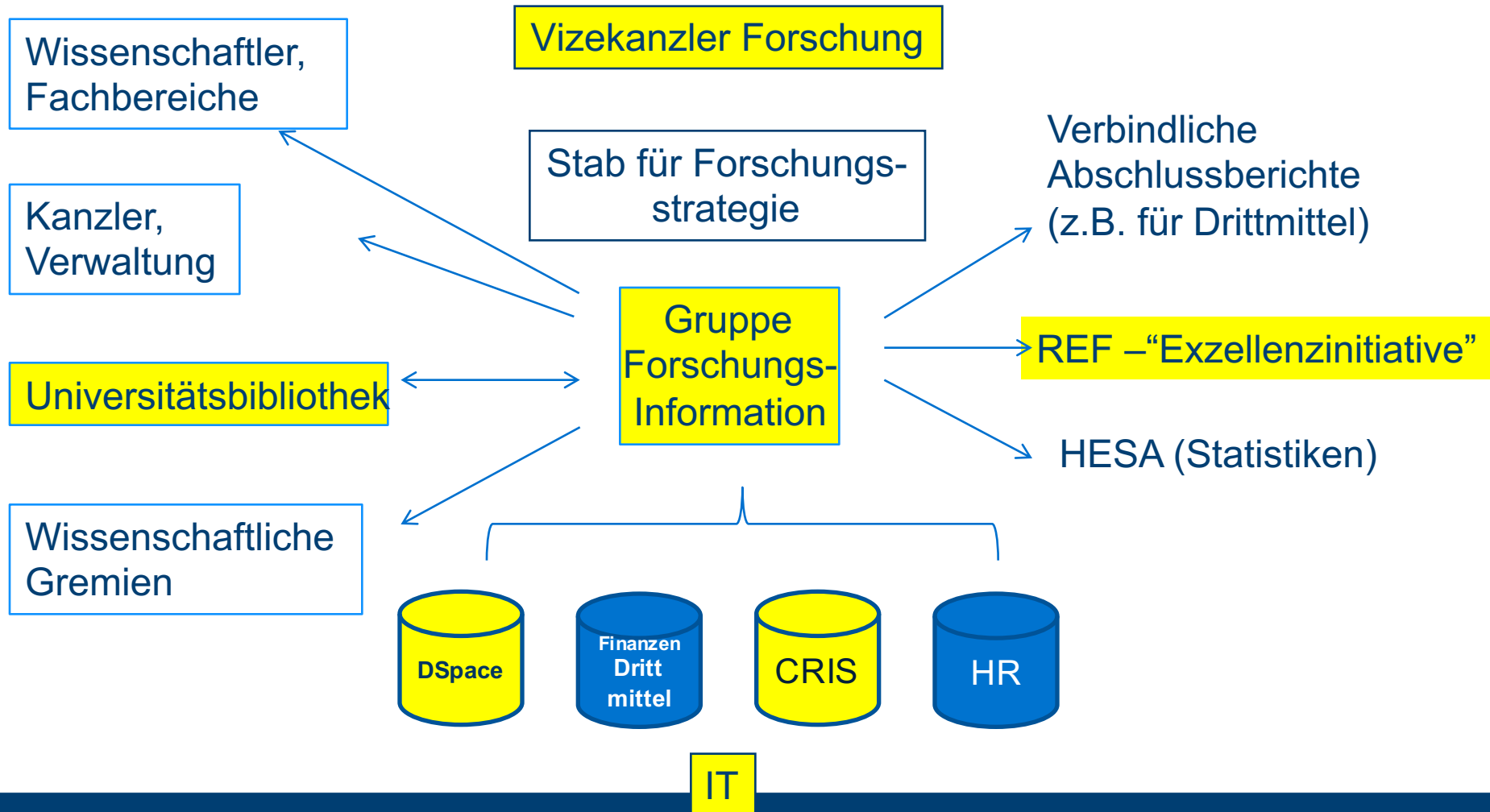
VIVO Projekt Cambridge

- 1) Einleitung & Hintergrund, Zielsetzung
- 2) VIVO Arbeitsgruppe; Motivation
- 3) Entscheidungen...
- 4) Ergebnisse; beta Version
- 5) Diskussion: MVP oder MVP?
- 6) Ausblick

Einleitung – Forschungsinformation in Cambridge



VIVO Interessensgruppen



VIVO Arbeitsgruppe

- Stab Forschung/Forschungsstrategie
 - Stab Internationale Beziehungen
 - Bibliothek
 - Pressestelle
 - Abteilungen und Fachbereiche
 - Zentrale IT
-
- NB: Keine akademische Direktbeteiligung (?!)

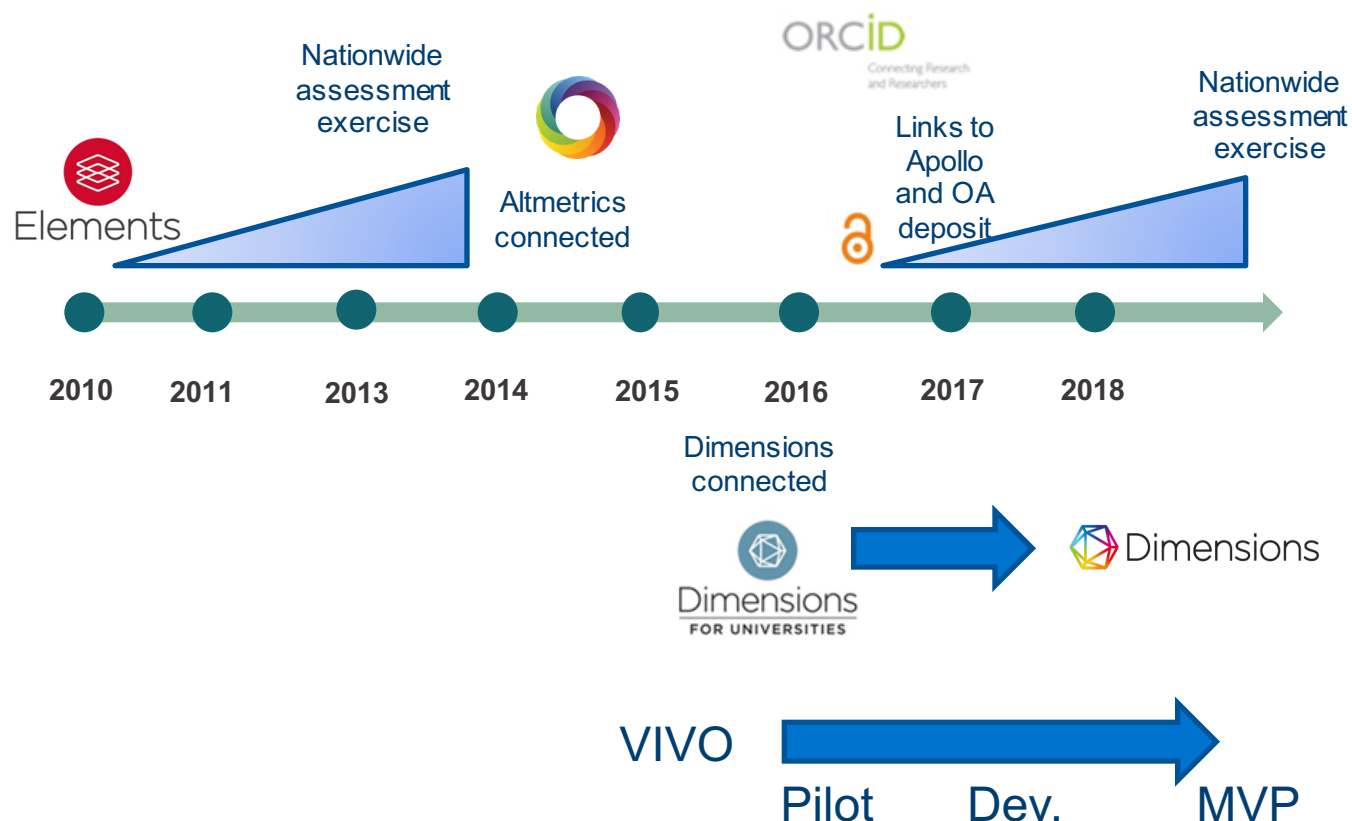
Der kleinste gemeinsame Nenner...

Die Definition des MVP (Minimum Viable Product):

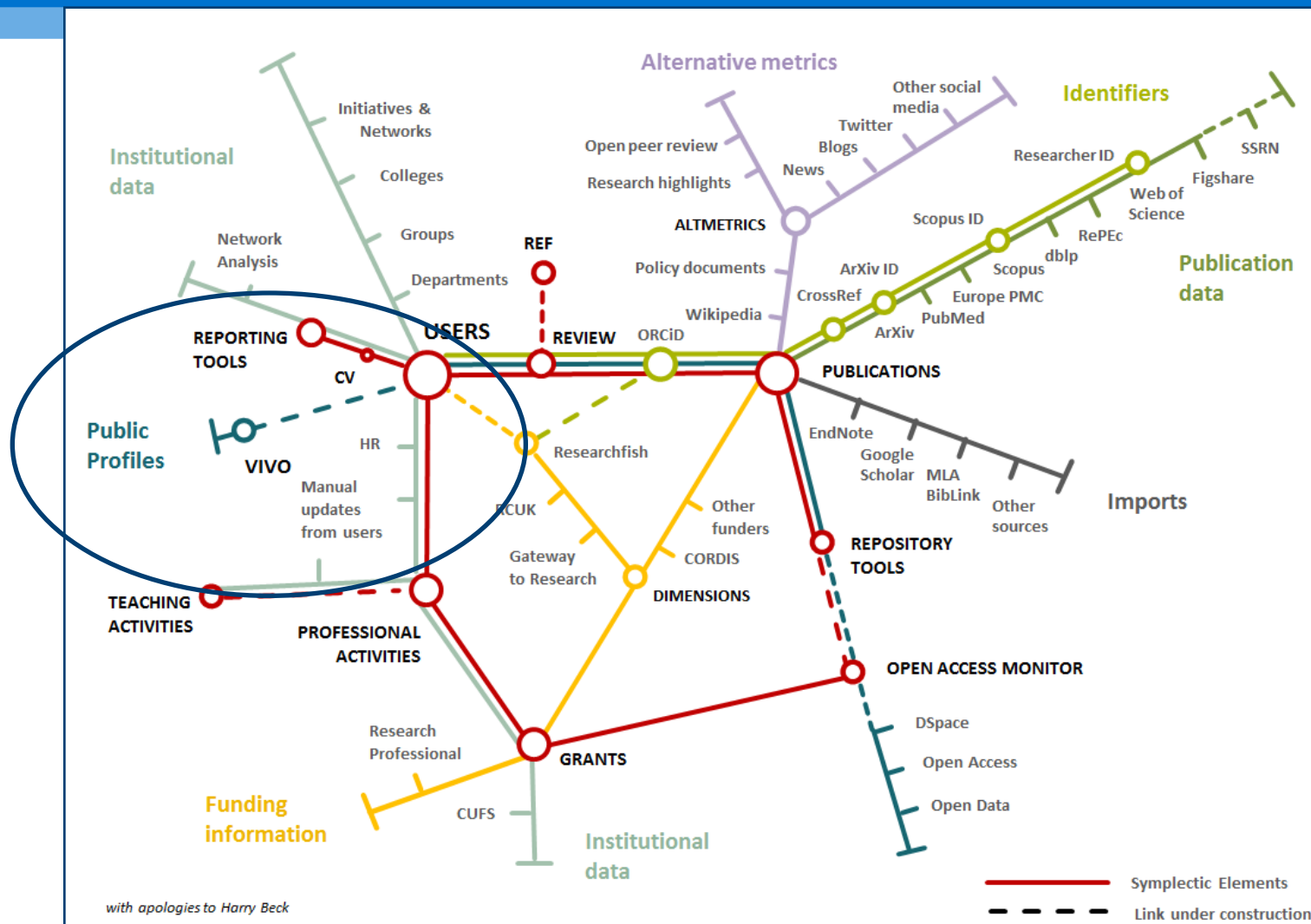
Forschungsprofil der Universität

- Benutzerfreundlichkeit
- Vielseitiges & vollständiges Profil der Forschungsaktivitäten
- Aktualität; 'up-to-date'
- VIVO kann aber deutlich mehr...

VIVO and Research Information at Cambridge: Timeline



Forschungsinformationssystem: “Mind The Map”



<http://dx.doi.org/10.6084/m9.figshare.1507607>

Entscheidungen

- Kein Eingriff in die Ontologie
- Kein direkter Zugriff/Login der Nutzer in die VIVO User Interface
- Nur wissenschaftliches Personal (im Gegensatz zum FIS)
- Keine Koautoren (>140tsd Namen)
- Schwerpunkt auf Publikationen und Projekte (awards and grants) zu Lasten der Lehre u.v.m.
- Display und link von Open Access/Dspace

Erste Probleme

- Visualisierungen (Daten, Branding, Labels)
- Auffindbarkeit unbefriedigend (SOLR)
- Harvesting zeitaufwendig
- Prioritäten (Eingriffe in die UI; Verfügbarkeit von IT Personal)
- Lösungsvorschlag der IT: Wechsel von SOLR zu Funnelback (bereits Uni-intern lizenziert und in VIVO Melbourne implementiert)

Entscheidungen (Teil 2)

- Funnelback:
 - Index
 - Erweitert: People, Publication, Projects (Awards & Grants)
 - Weitere Facetten: Publikationsjahr, Open Access, Geographischer Focus
 - Browse Funktion entfernt
- Verwendung von personenbezogenen Daten
- 'Capability maps' ('Netzwerk funktion') beibehalten
- Weitere geplante Eigenschaften (geomap, ORCID) wurden aufgeschoben

Zusammenfassung (vor der Demo/screenshots)

- VIVO als Portal für bestehende Forschungsdatenbank
 - Profil ohne direkten Mehraufwand (für den user/Nutzer)
 - KEINE direkte Interaktion mit der VIVO Plattform, Synchronisierung mit CRIS (Symplectic) System
 - Erleichtert Suche und Analyse des Wissenschaftlichen Corpus der Universität (u.a. Open Access, Open Data) –intern & extern
 - Open Access links (Dspace)
 - Altmetric und Dimensions badges

Discover Cambridge Connections

Search People, Projects and Publications



Welcome to the University of Cambridge VIVO. VIVO is a research discovery tool, containing publicly available information, which can be used to find people, projects and publications across all disciplines of the University.

This demo version is protected by Raven. Please send any feedback and ideas for future development to vivo@admin.cam.ac.uk

Dis

About our data

Explore Cambridge VIVO is a research discovery tool, containing publicly available information, which can be used to find people, projects and publications across all disciplines of the University of Cambridge. This demo version is protected by Raven and all data on this site is a subset of data contained in Elements, the University of Cambridge's Research Information Management system. The redistribution of this content without permission is strictly prohibited. Updates or additions to the information shown here should be made in Elements. Click on Manage your Profile below to login to Elements.

[Read more about Research at Cambridge](#)[Manage your profile](#)

Research

Academic Articles	190,907
Books	5,192
Chapters	12,565
Conference Papers	29,990
Grants	12,854
Reports	1,165

[View all ...](#)

Dreifacher Index: Direkter Zugriff



Explore Cambridge

Result type

- Publications 162
- People 147
- Grants 42

Subject area

- MD Multidisciplinary 202
- Nanoscience & Nanotechnology 185
- 0912 Materials Engineering 162
- 09 Engineering 150
- 03 Chemical Sciences 149
- 0306 Physical Chemistry (Incl. Structural) 147
- 02 Physical Sciences 141
- 10 Technology 111

[+ More...](#)

Research area

1 - 12 of 351 search results for **nano**

Nano-Optics to controlled Nano-Chemistry Programme Grant (NOtCH)

Nano-Optics to controlled **Nano**-Chemistry Programme Grant (NOtCH)

Source: EPSRC

NANO-OPTICAL MECHANICAL SYSTEMS

NANO-OPTICAL MECHANICAL SYSTEMS

Source: European Commission

NANO/MICRO INTEGRATION IN MICROMANUFACTURING

NANO/MICRO INTEGRATION IN MICROMANUFACTURING

Source: European Commission

Plasmonic Interactions in Nano-Structured Voids

Plasmonic Interactions in **Nano**-Structured Voids

Source: EPSRC

CNTF (Carbon Nano Tube Fibres) COMPOSITES

Nutzersuche und Profil

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Result type

[Publications](#) 9
[People](#) 1

Subject area

[0607 Plant Biology](#) 4
[0601 Biochemistry and Cell Biology](#) 4
[Sequence Homology, Amino Acid](#) 3
[Evolution, Molecular](#) 3
[Amino Acid Sequence](#) 3
[0603 Evolutionary Biology](#) 3
[Cytochromes c6](#) 3
[Molecular Sequence Data](#) 3
[+ More...](#)

Research area

[06 Biological Sciences](#) 1
[060705 Plant Physiology](#) 1
[0601 Biochemistry and Cell Biology](#) 1
[060702 Plant Cell and Molecular Biology](#) 1
[080604 Database Management](#) 1
[0101 Pure Mathematics](#) 1
[080609 Information Systems Management](#) 1

Organisation

[Darwin College](#) 2
[Academic Division, Research Strategy Office](#) 2
[Academic Division, Research Strategy Office](#) 2

1 - 12 of 14 search results for **wastl**

Wastl, Juergen
Academic Division
Darwin College
Academic Division, Research Strategy Office
Academic Division, Research Strategy Office

I currently head the Research Information team at the Research Strategy Office with responsibilities for managing and implementing software tools for Academics and Admin Research Professional, ORCID and VIVO) and provision of analysis (including network and collaboration analysis) for Collegiate Cambridge.
Academic Department College.

Zero to VIVO in 7 Days
Wastl, Juergen

A presentation given by Jonathan Breeze, Symplectic & Juergen Wastl, University of Cambridge, UK at the VIVO 2015 conference in Cambridge, MA. Abstract: Notwithstanding the collaborative effort related tasks associated with implementing and populating VIVO continue to act as significant barriers to wide adoption of the VIVO platform. In direct response to these challenges, Symplectic has

Type: Conference Paper
Published: Aug 14, 2015
http://figshare.com/articles/Zero_to_VIVO_in_7_Days/1510969.

Academic Division
Academic Department.

The evolution of cryptophytes.
Wastl, Juergen

Cryptophytes are chlorophyll a/c- and phycobiliprotein-containing algae that evolved via secondary endosymbiosis. It is shown that a intracellular symbiosis between a red alga-like organism and an cryptophytes. We discuss the possible evolution of cryptophytes and describe recent projects concerning evolutionary aspects of cryptophyte biology.

Type: Academic Article
Published: Nov 01, 1997
Plant Systematics and Evolution
http://gateway.webofknowledge.com/gateway/Gateway.cgi?GWVersion=2&SrcApp=PARTNER_APP&SrcAuth=LinksAMR&KeyUT=WOS:000071339300010&DestLinkType=FullRecord&DestApp=ALL_WOS&UserCustomerID=940c5db9f6a527ba8e12659dac2754

The taxonomic position of Chlamydomyxa labyrinthuloides

UNIVERSITY OF
CAMBRIDGE

Weitere Facetten

Explore Cambridge



Search for people, project



Manage your profile

Result type

Publications 9

People 1

Subject area

0607 Plant Biology 4
0601 Biochemistry and Cell Biology 4
Sequence Homology, Amino Acid 3
Evolution, Molecular 3
Amino Acid Sequence 3
0603 Evolutionary Biology 3
Cytochromes c6 3
Molecular Sequence Data 3

+ More...

Research area

06 Biological Sciences 1
060705 Plant Physiology 1
0601 Biochemistry and Cell Biology 1
060702 Plant Cell and Molecular Biology 1
080604 Database Management 1
0101 Pure Mathematics 1
080609 Information Systems Management 1

Organisation

Darwin College 2
Academic Division, Research Strategy Office 2

1 - 12 of 14 search results for wastl



Wastl, Juergen

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Darwin College
Academic Division, Research Strategy Office
Academic Division, Research Strategy Office

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Academic Division, Research Strategy Office 2
Academic Division 2

Geographic focus

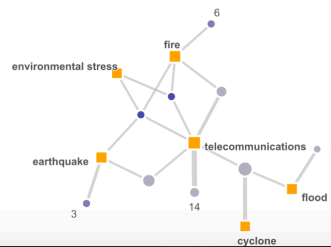
Germany 1
Switzerland 1
Spain 1

Publication type

Academic Article 6
Article 1
Conference Paper 1
Webpage 1

Publication year

2006 2
2015 2
1999 2
2018 1
2017 1
1997 1



The taxonomic position of Chlamydomonas labyrinthoides

Wastl, Juergen

Chlamydomonas labyrinthoides is a heterokont alga known since the last century. It lives on Sphagnum and other water plants as aplanospores or plasmodia. We have investigated the taxonomic position of this organism by combining results from morphological studies, pigment analyses and a molecular phylogenetic analysis of the small subunit (SSU) rRNA gene. Chlamydomonas labyrinthoides shares morphological and molecular features with other members of the genus Chlamydomonas.

Type: Academic Article
Published: May 01, 1999
European Journal of Phycology

Symplectic

Wastl, Juergen

Scientific research is complicated. Effectively managing and showcasing the work of researchers is key to meeting universities' strategic ambitions. With thousands of publications each year, government bodies needing proof their funding is being used wisely, how does an institution manage all this data? Founded by researchers from Imperial College London, this film tells the story of the challenges of managing research data.

Type: Webpage
Published: Aug 06, 2015
<http://www.telegraph.co.uk/finance/businessclub/business-club-video/technology-sector-videos/11780219/symplectic.html>

Academic Profile, Network and Collaboration Analysis : Use Cases for...

Wastl, Juergen

Recent years saw the emergence of research information systems (RIS) in University IT portfolios. The increasing number of local RIS show the need for the institutions to provide tools for managing research data for making strategic decision or complying with reporting requirements. This seminar lecture focuses on trends and challenges in managing implementations of RIS from an information systems perspective.

Type: Article
Published: Sep 21, 2017

Academic Division, Research Strategy Office

Academic Department.

Ancient gene duplication and differential gene flow in plastid...

Wastl, Juergen

Cryptomonads, small biflagellate algae, contain four different genomes. In addition to the nucleus, mitochondrion, and chloroplast is a fourth DNA-containing organelle the nucleomorph. Nucleomorph is an engulfed phototrophic eukaryotic endosymbiont by a secondary eukaryotic host cell. By sequencing the chloroplast genome and the nucleomorph chromosomes, we identified ancient gene duplication and differential gene flow in plastid genomes.

Type: Academic Article
Published: Jan 01, 1999
Journal of Molecular Evolution
<https://www.ncbi.nlm.nih.gov/pubmed/9873083>

Data measurement in research information systems: metrics for the...

Wastl, Juergen

In recent years, research information systems (RIS) have become an integral part of the university's IT landscape. At the same time, many universities and research institutions are still working on the development of research information systems support institutions in the measurement, documentation, evaluation and communication of research activities. Implementing such integrative systems requires a holistic approach.

Type: Academic Article

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Websites

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Juergen Wastl

Head of Research Information & Deputy REF Manager, Research Strategy Office

Positions

Member, [Darwin College](#)

Head of Research Information, [Academic Division](#), [Research Strategy Office](#)

Deputy REF Manager, [Academic Division](#), [Research Strategy Office](#)

RAE/REF Officer, [Academic Division](#), [University of Cambridge](#)

Research Areas

[06 Biological Sciences](#) (FoR) [0601 Biochemistry and Cell Biology](#) (FoR)
[060705 Plant Physiology](#) (FoR) [080604 Database Management](#) (FoR)

[Overview](#) [Publications](#) [Projects](#) [Teaching](#)

Overview

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jw312@admin.cam.ac.uk



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[060705 Plant Physiology](#) (FoR) [080604 Database Management](#) (FoR) [080604 Information Systems Management](#) (FoR)

[Overview](#) [Publications](#) [Projects](#) [Teaching](#) [Background](#)

Education And Training

Diplom Biologe, [University of Bayreuth](#)

MA (Cantab), [University of Cambridge](#)

Dr. rer.nat., [Philipps University of Marburg](#) 1997 - 2000

Profile mit OA links, Altmetric und Dimensions badges



dc135@cam.ac.uk

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Websites

<https://uk.linkedin.com/in...>

[College website](#)

[Group website](#)

[Wikipedia page](#)

Visualisations

[Co-author Network](#)

[Map of Science](#)

Geographic Focus

[Austria](#) Country

[China](#) Country

[Saudi Arabia](#) Country

[United States of America](#) Country

David Anthony Cardwell Professor

Positions ▾

[Overview](#) [Publications](#) [Projects](#)

Selected Publications

Academic Article [Filter](#)

2017

Year	Title	Metrics
2017	A novel pre-sintering technique for the growth of Y-Ba-Cu-O superconducting single grains from raw metal oxides. <i>Superconductor Science and Technology</i> . 30:095001-095001. 2017	 1
		
2017	Full Magnetization of Bulk (RE)Ba₂Cu₃O_{7-δ} Magnets With Various Rare-Earth Elements Using Pulsed Fields at 77 K. <i>IEEE Transactions on Applied Superconductivity</i> . 27:1-4. 2017	 2
		
2017	Microstructural evolution in infiltration-growth processed MgB₂ bulk superconductors. <i>Journal of the American Ceramic Society</i> . 100:2451-2460. 2017	 1
		
2017	Processing and Properties of Bar-Shaped Single-Seeded and Multi-Seeded YBCO Bulk Superconductors by a Top-Seeded Melt Growth Technique. <i>Journal of Superconductivity and Novel Magnetism</i> . 30:1397-1403. 2017	 1
		
2017	Pulsed Field Magnetization of Bridge-Seeded Bulk YBCO Using Solenoid and Split Coils. <i>IEEE Transactions on Applied Superconductivity</i> . 27:1-5. 2017	 1
		
2017	Trapped field properties of a Y-Ba-Cu-O bulk by pulsed field magnetization using a split coil inserted by iron yokes with various geometries and electromagnetic properties. <i>Physica C: Superconductivity and its Applications</i> . 536:1-10. 2017	 1

...tics to controlled Nano-Chemistry Programme Grant (NOTCH)

EP/L027151/1

Nano--controlled Nano-Chemistry Programme Grant (NOtCH)

Grant

Nano-Optics to Controlled Nano-Chemistry Programme Grant (NOtCH)

Block copolymer self-assembly for nanophotonics Academic Article

Zusätzliche Integrationen

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Search for people, project

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Mind the (Research Information) Map

Conference Poster

Author's Version
Publisher's Version
Repository Version

Overview Keywords Identity Figshare

Figshare

Mind the (Research Information) Map

Mind the Map (of Research Information)



Beyond Serendipity: Networks of Research at Cambridge



Conference Poster

Author's Version

Publisher's Version

Overview

Keywords

Identity

Figshare

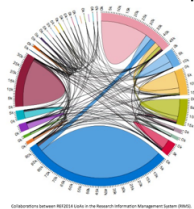
Figshare

Beyond Serendipity: Networks of Research at
Cambridge

Beyond Serendipity: Networks of Research at Cambridge

Dr Owen Roberson and Dr Jürgen Wastl, Research Strategy Office, University of Cambridge

How can we Support Researchers to Navigate an Evolving Research Landscape?

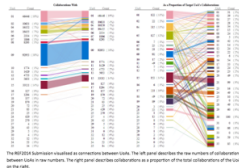


1. Grants are getting **fewer** in number.
 2. Research **collaborations** are becoming **increasingly important** in securing funding.
- The composition of the REF2014 submission indicates that interdisciplinary research already forms a key constituent of research practice at the University.

Network analysis offers an opportunity to use data characterised by competing priorities and complexity, and mould it into something that is useful for the researcher, rather than simply another obligation.

Network Analysis is a toolbox of techniques that deals well with data that is characterised by complexity and co-dependence.

- Network Analysis is concerned with **connectivity**.
- Network Analysis can be **visual** or **metrical** (or both).



Which Researchers Share Interests or Approaches?

A network diagram of publications from the Research Information Management System for one of our research groups and their co-authors. Colours indicate the home department.

The same data re-organised to impose the University's departmental structure. Departments are collapsed to one node, and edges link to other departments with which a collaboration has taken place.

The same data reorganised using a clustering algorithm, in this case the Clauset-Newman-Moore algorithm. This algorithm assigns nodes to groups based on their behaviour and allows clusters to form around those nodes that are more inward.

REF: Management der Forschungsinformation zur Berichterstattung der
Förderung exzellenter Wissenschaft

Article

Author's Version

Overview

Identity

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REF: Management der Forschungsinformation zur Berichterstattung der Förderung exzellenter Wissenschaft

REF: Management der Forschungsinformation
zur Berichterstattung der Förderung exzellenter
Wissenschaft

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Research Strategy Office, University of Cambridge

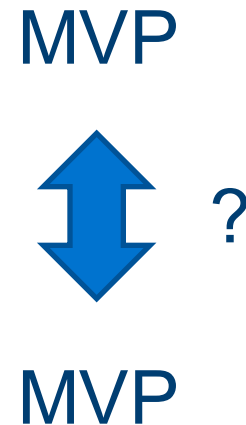


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MVP or MVP?

- Explore Cambridge is...
 - A research discovery tool
 - Based on a subset of data in Elements
 - Updated automatically overnight
 - A work in progress
- Explore Cambridge is not...
 - A replacement for your departmental website
 - A comprehensive CV tool
 - Just another profile



MVP or MVP?

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 - A comprehensive CV tool
 - Just another profile

Cambridge VIVO:

- Highly valuable internal tool
- Used in research development and facilitation
 - Search for expertise across all disciplines
 - Greater awareness in the institute

Ausblick

- Erleichterter & erweiterter Daten feed?
 - Dimensions API : Derzeit Pilotprojekte
- Umfrage und erste Erfahrungen mit Akademikern
- Verbesserungen in der UI
- Verbesserungen im Index

Quo vadis, VIVO?

- Wer weist den Weg (*institutional governance and ownership*)?
- Reines Forschungsprofil:
 - Wer ist die Zielgruppe? Medien, Wissenschaftler, Industrie?
 - Datenschutz (*images, email addresses*) – *right to opt-out*?
 - Integration mit weiteren VIVO Instanzen

Vielen Dank für Ihre Aufmerksamkeit.

Fragen?