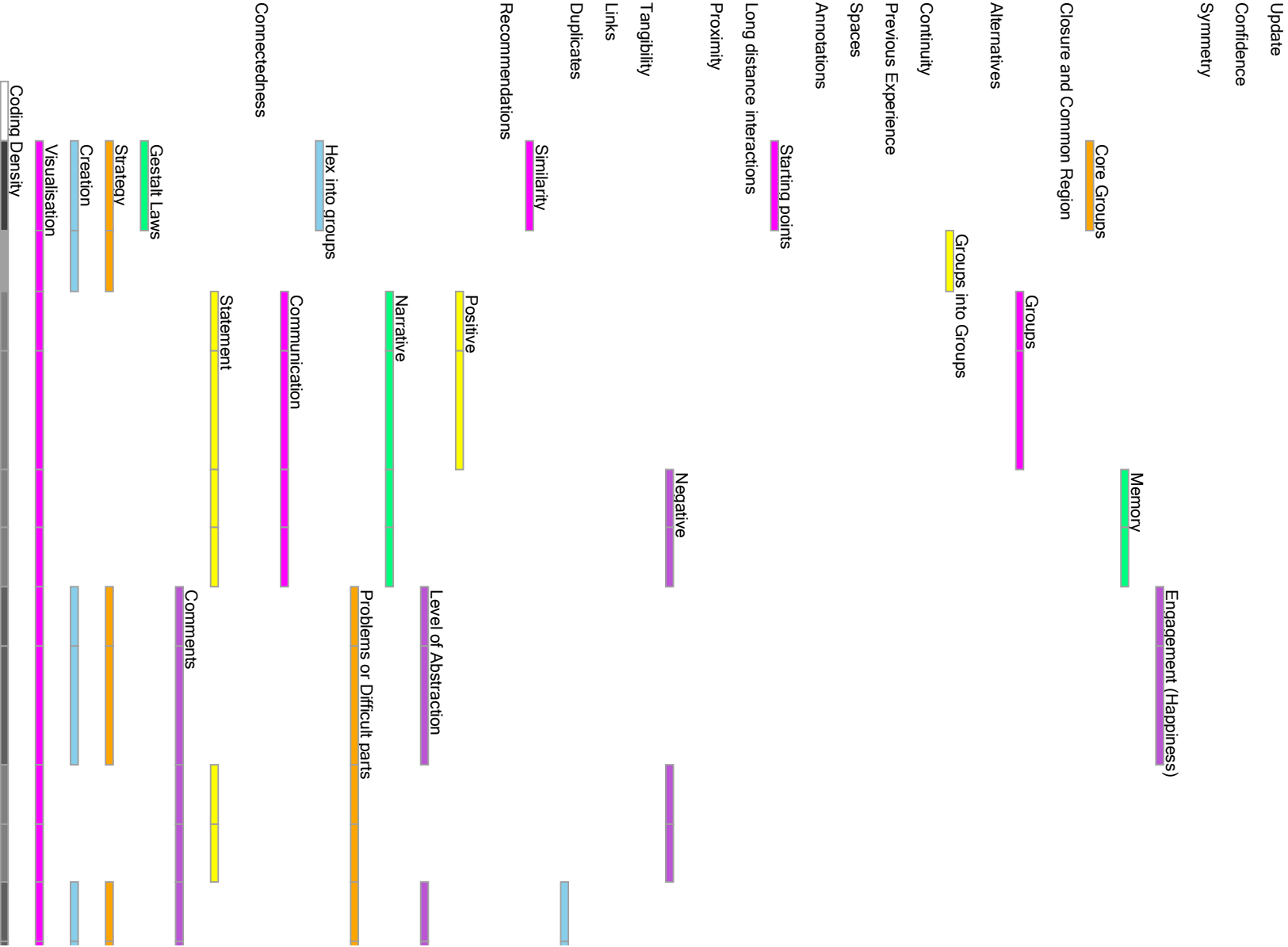
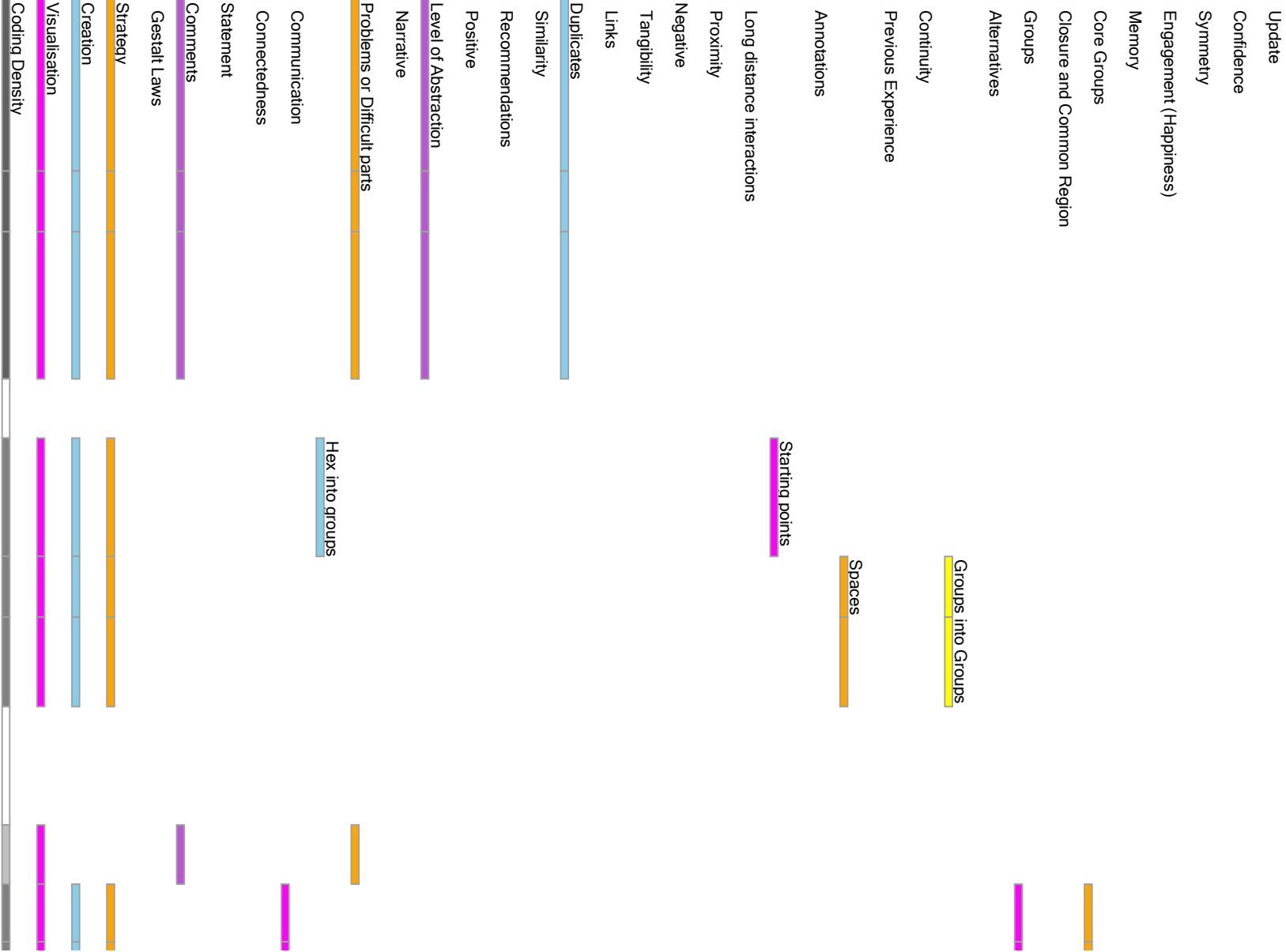


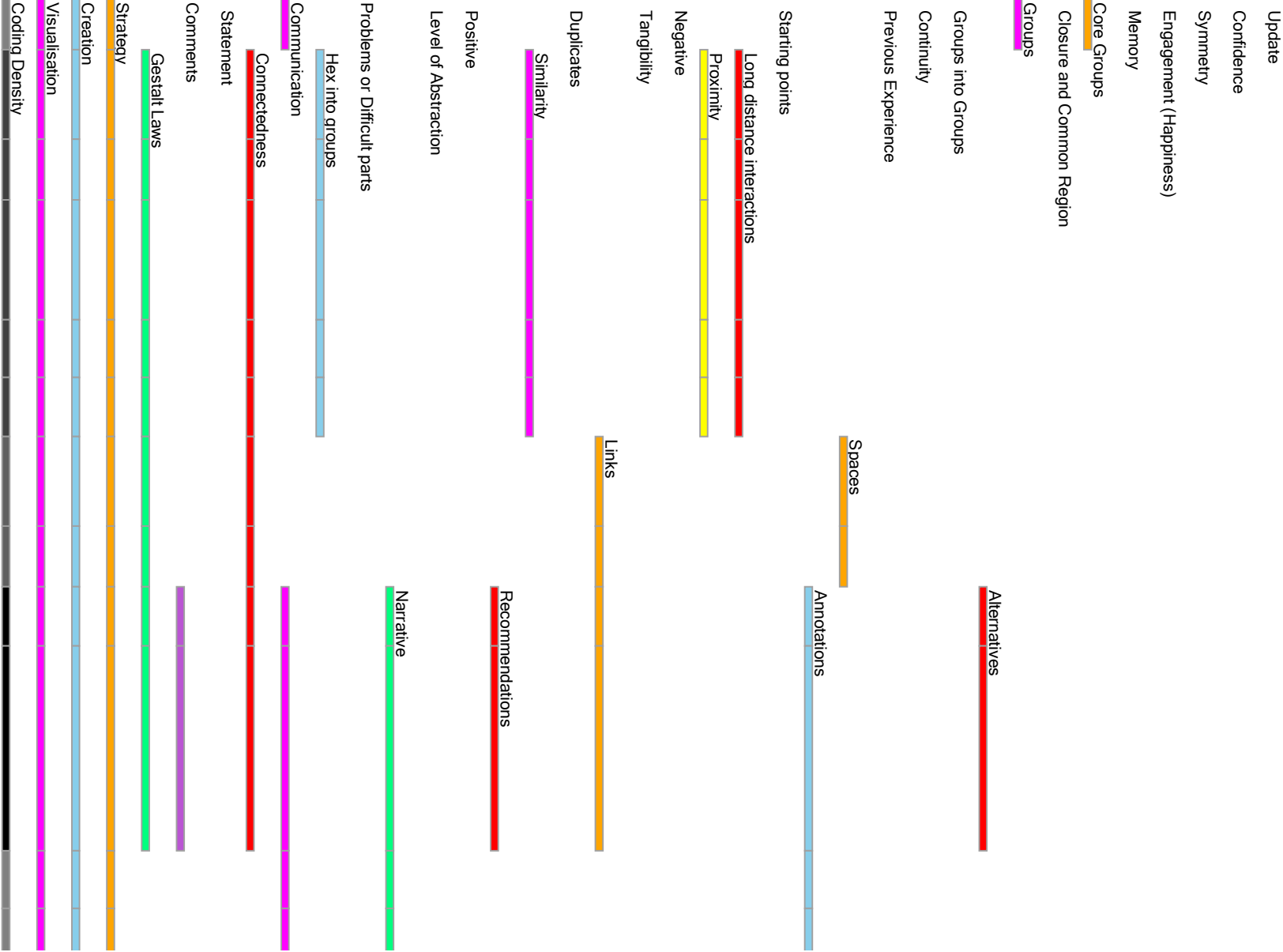
	Timespan	Content	Speaker
1	0:00.0 - 0:06.5	Can you just explain to me what have you done here?	SP
2	0:06.5 - 0:40.8	So, first of all, I divided the words into actual research topics. And modalities of research and social outcomes of research. So, in particular in here is the way the research should communicated and here is the outcome of research. So, what research should attend to...	
3	0:40.8 - 1:05.6	And then, in these because the research topics are so big. I tried to sub divide them. Mainly in the humanities and the science. and they also have interception. And divided science word in three sub groups.	
4	1:05.6 - 1:14.3	So, were you trying to create a story or some kind of narrative?	SP
5	1:14.3 - 1:50.4	Yes and no. In the sense - on one hand there is a story which is the research is carried in certain way and should lead into an outcome so in these sense there is a story but the way I though about this presentation was mainly to summarize or group the things. So,yeah I'm not sure if it is a narrative. Is mainly - 2/3 description and 1/3 narrative.	
6	1:50.4 - 1:54.7	When you were building it, where you thinking of some kind of narrative?	SP
7	1:54.7 - 2:05.3	No- actually when I was building it, I was thinking mainly in classification.	
8	2:05.3 - 2:10.0	I'm just wondering how happy do you fell about this chart?	SP
9	2:10.0 - 2:43.9	To be honest. not 100% happy. The problem was that - I think that I had some difficulties in understanding some things as some things are very generic. So for example, population, I putted here but it could have been biology as well. So, I had to make a decision. There are some things that are ambiguous. And in this sense I'm not happy about my (overview).	
10	2:43.9 - 2:47.5	So, it was just because there were some ambiguities with the words?	SP
11	2:47.5 - 2:47.6	Yeah. Its mainly because of that.	



12	2:49.7 - 2:51.7	Where thy too general maybe?	SP
13	2:51.7 - 3:44.6	Yeah. I think for example population was very general. Or there was something else. I think Africa is very general. Or I don't know - there was something else I think technology was very general. Or do know if you want me to point all of them? But there were are few that I thought they were quite general and it was not quite clear too me. In the description you say that they were precise research project - maybe if I had the whole description of each of them it would have been better But just these word sometimes i was (confused) you know...	
14	3:44.6 - 4:01.8	Do you think if you had a couple of them that were repeated - maybe 2 or 3 populations (word) - would that help? or will that make the whole thing more difficult.	SP
15	4:01.8 - 4:21.1	I don't think that would change much because if I had two populations - I mean - I could find the way to place them so it is that it would have been more difficult to the task. But it would have been still ambiguous because it would two research topics in populations in humanities or two research in population in science. Or one in one. It could have not been a problem for me to put them around but it would have still been ambiguous so it would have still not solve the problem of ambiguity.	
16	4:36.0 - 4:43.2	let me ask you a few questions about your strategy. So, you said, how did you started creating this (overview)?	SP
17	4:43.2 - 5:23.0	Actually, I just picked the words one by one. And I was kind of creating the categories as I was taking out the words. So for example immediately, the first word that I picked was earth or something like that and there there was ocean so I put them together because they seem related the initial word. And then as I was taking the words I was taking the words I trying to fit them in a category or creating new categories.	
18	5:23.0 - 5:36.5	When were you creating new categories? Was it when it did not fit the main core of that group? or when the group was too big?	SP
19	5:36.5 - 5:55.3	The group was too big at the very end. at the end the last thing that I did was trying to subdivide the groups that were too big and this is how is mainly related with this part so this was very big so I tried to ... specially these ones ... I tried to divide them but this only at the end.	
20	5:55.3 - 6:26.1	At the beginning, it was - I do not know - a felling for that (splitting) so, I would say roughly the first thing that I would think about. So for example, if I pick muscle I think this is something that is associate with science. I mean knowing that it is about research topics as I can see science or biology or health or medical, clinical research so I put it here. Then I see language. OK this is another topic.	



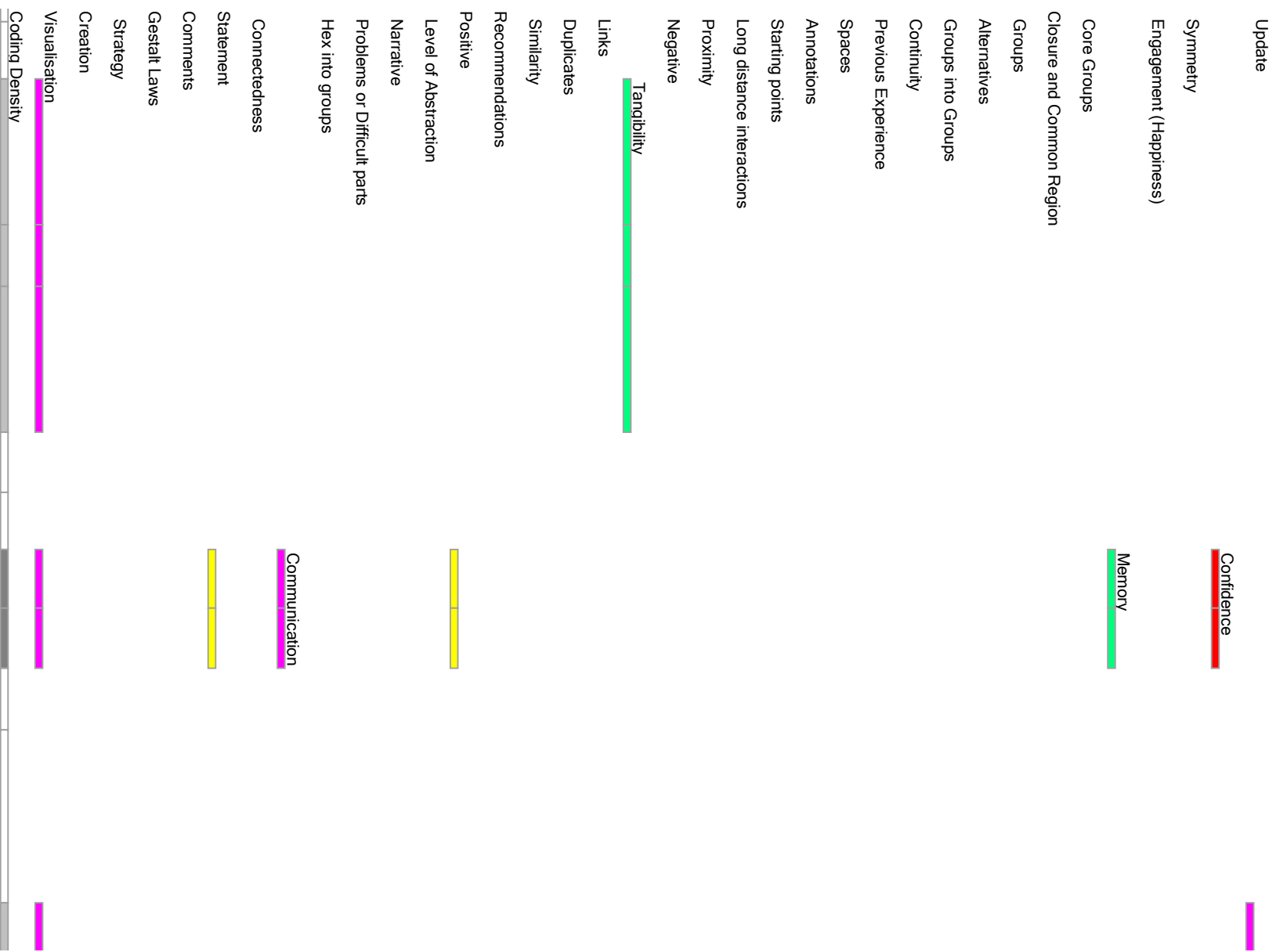
21	6:26.1 - 6:33.6	But they were some ambiguities, because for example population I struggle a lot were should I put it.	
22	6:33.6 - 6:41.8	So, you had kind of like a main idea of each group or like a core idea?	SP
23	6:41.8 - 6:45.2	yeah, I would say so.	
24	6:45.2 - 7:04.6	So, when you were adding new tiles to that group - where you just adding because of the main core idea of the group or where you also looking at the ones next to that tile? So for example, when you added say Africa here, where you also thinking about the ones next to it?	SP
25	7:04.6 - 7:21.1	No, this is completely earth at random. The way they are positioned it is completely at random, it is not ordered. I just made the groups un-ordered. un-ordered sets.	
26	7:21.1 - 7:48.2	yeah. If you want to see some kind. This for example, this is the intersection between these two so maybe you could see - if you want - there is a concept of distance because this is close to this and close to the rest. OK. But it further to this but in inside the smaller there is no order. Like there is no different between these guys (in group).	
27	7:48.2 - 7:51.8	So, you were only thinking of the neighbors of the groups?	SP
28	7:51.8 - 8:00.8	Yeah - the groups neighbors.	
29	8:00.8 - 8:18.0	What about the spaces? So, for example you have this one (space two groups) and you have a space here. Do you think maybe if you have a tile that fitted there you could join the groups or do you think the groups should stayed separated?	SP
30	8:18.0 - 8:36.3	No, the way I see it the groups should stay separated and if I think there is something in the middle I create this interactions (annotations) this is how I see it.	
31	8:31.3 - 8:42.4	I was also wondering why are you marked the things? is that to make the groups more obvious? (annotations)	SP
32	8:42.4 - 9:28.2	yeah - I think it is quite important because it is like putting a name to the group - so it is quite important. Maybe the thing - I'm quite happy with this part because as I said this is mainly for the topics so this is just subdivision of the topics and I don't think I could have done much better. But maybe this part could have been nicer to put them in and thinking a bit more maybe but also a bit different spacing i would have made it in a different way.	



		But the idea was that I would different kind of arrows to connect the things. So, I just these to a mean a mean which we do these things. This is the way we we communicate and this is what we should should tend for. maybe all the narrative is all here (arrows annotations).	
33	9:28.2 - 9:38.8	So, the arrows were more for the narrative and connection each other?	SP
34	9:31.5 - 9:44.5	yeah probably yeah.	
35	9:44.5 - 10:02.0	I was wondering about the whole overview. Did you tried to make like a flow? make it smooth? or make it a little bit more continuous?	SP
36	10:02.0 - 10:03.8	You mean just the shapes or?	
37	10:03.8 - 10:08.3	Yeah - like doing something like a flow?	SP
38	10:08.3 - 10:12.5	Not really - I just tried to make it clear.	
39	10:12.5 - 10:20.4	What about symmetry? did you tried to balance the chart? you have lots of groups in this side but not (the other)	SP
40	10:20.4 - 10:48.2	No - clearly no. Actually, I kind of tried - but i do not know - It depends a lot on the words I had. But with these words it is restrict because I can start with the lot and then it becomes less and less. But this is just because of this words but I there were different words maybe it would have been different.	
41	10:48.2 - 11:05.7	What about making the groups a little bit more cylindrical or structured? So for example, this one has a nice shape. Where you thinking if maybe you didn't have this (tile) well maybe I should have something here (tile) to make it round?	SP
42	11:05.7 - 11:37.4	No - not particularly. i was mainly concerned about to group them properly. Because, for example, this are nicely put (point groups) because I wanted to be sure that you could see all the words but I did not want to overlap like this. But as far as it was clear and you could see the things - it really didn't matter, it is more important to see them. This is just to optimize the space (nicely place group). If I had more space I could just put them ... (all not perfectly aligned).	
43	11:37.4 - 11:43.2	What about the colors? you have two colors here? Were you thinking of having two levels?	SP



44	11:43.2 - 12:33.2	Actually, I would have been happy with more colors. Yeah, I did this (merge two colors) because it was an extra color. Ideally, this is not (...) I would have keep one color for science and one color for humanities. And maybe a different color for subdivisions in sciences and - I could see - three extra colors because they are different. Maybe I could have done all the same - just one color but different to the other. But two colors was just a bit few.	
45	12:33.2 - 12:47.6	What about the, the actual cards and having cards? do you like playing with the cards? moving them around and drawing stuff?	SP
46	12:47.6 - 12:50.5	You mean the modality?	
47	12:50.5 - 12:52.9	Yes	SP
48	12:52.9 - 13:40.0	Yes I think it is quite nice. Maybe, I do understand that you do them like this because you want to read them in any direction. But maybe it is a bit bigger (tile) I would have prefer smaller things. But, (...) this were easy to move and they are small - maybe just one word is too small. Just one word is very small information. Maybe if it was one key word and the description behind it would have been better. Concerning the shape of it (overview) and this idea of drawing I think it is nice.	
49	13:40.0 - 13:59.0	What if I had the same task but instead i just gave you an IP ad, would that be better? With kind of like an App with all the things...	SP
50	13:59.0 - 14:18.4	No - I prefer the paper. but also because I not very practical with this things so maybe I'm not the best person to ask. Maybe I can think one thing that would have been better - this markers a good as they are very clear but maybe something that you could erase or correct as if you do any mistake you can not change that. Maybe something that you can correct would have been better so maybe in this case the iPad would have been better. But except for that I like the idea of having physical things to move.	
51	14:42.6 - 15:01.1	I was wondering, say for example you go away for today. Do you think you could explain the whole overview to them?	SP
52	15:01.1 - 15:03.3	You mean this organization of things? yes I think so.	
53	15:03.3 - 15:10.8	Do you feel confident about it? Can you explain what the whole thing is about?/	SP



54	15:10.8 - 15:29.5	yeah I think so, maybe I don't know if I would remember these small things (tiles). But as a general idea I think so. Definitely tomorrow maybe in a week I don't know. But I'm quite confident about it.	
55	15:29.5 - 15:43.5	Say, I kind of forgot to give you a few tiles. You don't need to as that would mean redrawing everything. how would you do it if you could?	SP
56	15:43.5 - 16:50.7	For me this does not change much, because this is how I dealt with it in the beginning. It was just updating the thing every time I picked the word. So child is in here. Evolution would be Science so I would put in biology. And earthquake is related to this too. And reaction, it could be a chemical reaction or reaction of the people to something. Or it could be a way to carry out research. So I do not. Energy? so I would put it here. So, this would not affect much if they are just a few. But if there are 20 more then I might have to create more things but 5 more not.	
57	16:50.7 - 16:55.3	So, you would just add them or attached them to your groups?	SP
58	16:55.3 - 17:04.1	Yeah - I general yes. When they became too many or clearly they are completely different then I would create the new.	
59	17:04.1 - 17:18.9	How much, how experienced are you in visualization? 2D or 3D graphics? Do you normally work with those in your (work)?	SP
60	17:18.9 - 17:44.4	I do modeling, mathematical modeling. So, in general when I have to present my research I tried to make graphs. So, it is not my job but I use it quite a lot. For example, if I have a model - I have to explain a model - i tend to divide the models and emphasize the relationship between them. So, I have this kind of mind set.	
61	17:44.4 - 17:55.5	What about layouts and experience with layout? web pages, magazines or creating magazines?	SP
62	17:55.5 - 18:24.9	Not professionally but I had to do some posters. Or just coming here I was helping designing the new booklet for PhD students but nothing like this.	

Update

Confidence

Symmetry

Engagement (Happiness)

Memory

Core Groups

Closure and Common Region

Groups

Alternatives

Groups into Groups

Continuity

Previous Experience

Spaces

Annotations

Starting points

Long distance interactions

Proximity

Negative

Tangibility

Links

Duplicates

Similarity

Recommendations

Positive

Level of Abstraction

Narrative

Problems or Difficult parts

Hex into groups

Communication

Connectedness

Statement

Comments

Gestalt Laws

Strategy

Creation

Visualisation

Coding Density