GOVERNING THE ANTHROPOCENE: CYBERSYSTEMIC POSSIBILITIES? SCHLOSS HERRENHAUSEN, 30-31ST JULY 2015

INQUIRY RECORDING TEMPLATE

Table Number:	2
Participant Names	7
Recorder Names: (PhD Students + others)	Claudia Coral, Manuel Rivera, Jana Paschen, Jens Ostergaard, Jörg Niewöhner, Nam Nguyen, Alexander Christakis

DAY 1 Thursday 30th July

Please take a photo of your table group at some suitable point during day 1 or day 2 and insert at the end of the template.

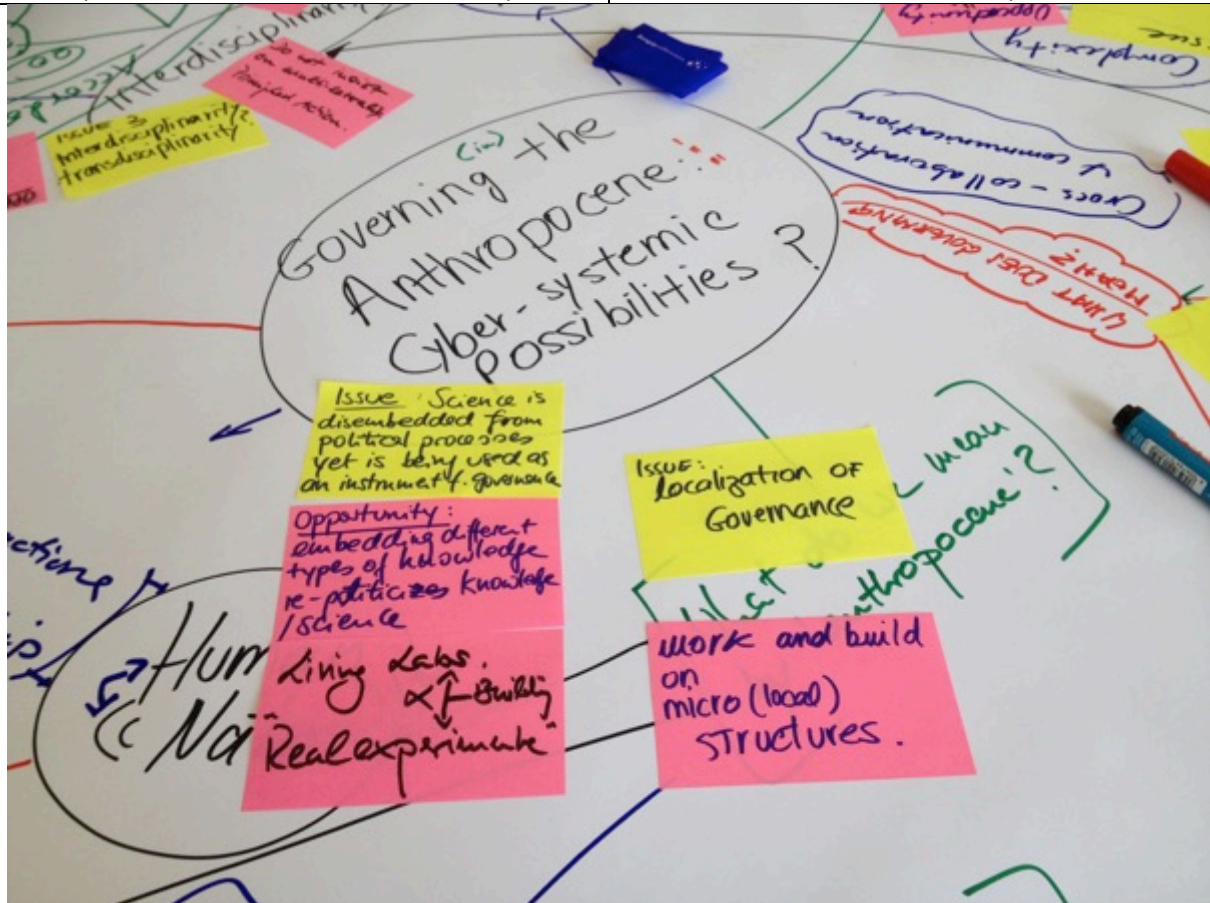| INQUIRY 3 – At the end of this session have all _Issues_ (I) and _Opportunities_ (O) listed from sticky notes on conversation maps – take and insert photos (2) of sticky notes on conversation maps.	
ISSUES – List 1 Science is des-embedded from political processes yet it is being used as an instrument for governance 2 Complexity- it is hard to deal with complexity 3 Governance is localized 4 Reversibility (models/solutions are not reversible) 5. Reproduce-ability reproduces patterns (not always good) 6 Interdisciplinarity	OPPORTUNITIES – List 1 -Embed science into political processes (role of science -Embedding different types of knowledge re-politicizes knowledge science. -Building living labs / real experiments. 2 Deal complexity with complex solutions 3 Work and build on micro-local structures 4 Favour options that increase reversibility , trial and error. 5 Abandon reproduce-ability 6 -Knowledge based on consensus , productive dialog -Go with science.
Insert Photo 1	Insert Photo2 (if not included in photo 1)

INQUIRY 4 – Update listing of Issues and Opportunities noting any changes to existing ones and adding new ones.	
ISSUES – list 6 Interdisciplinarity	OPPORTUNITIES- list 6 -Knowledge based on consensus, productive dialog -Go with science.
Insert photo 1 of revised conversation map	Insert Photo2 (if not included in photo 1)

Please Insert any additional Narrative elements here – e.g. agreements, disagreements, explanations novel insights etc We started our discussion trying to answer the questions what Anthropocene , (cene), and human /nature, or human being nature is. In addition, we tried to know what is governance for each of us. Therefore, we spent lot time trying to understand the main questions. We also discussed that it is very hard (at this stage of the discussion) to define opportunities , since we haven´t answer our initial questions , we are not ready to identify opportunities when we haven´t reach an understanding of the problem (which is very broad).

DAY 2 Friday 31st July

Please take a photo of your table group at some suitable point during day 1 or day 2 and insert at end of template

KEY REFLECTIONS ON DAY 1 + NEWS OF DIFFERENCE
1. REFLECTIONS ON DAY 1 (list here) The groups that visited our table and our table have in common that both believe that the main question is too broad. To take this very elaborated question is very challenging as a starting point of a discussion. In fact spent a lot of time just trying to have an understanding of the elements of the question
2. NEWS OF DIFFERENCE (list here):
Hosts:
Pair 1: They discussed the Influence of Economic Thinking in Governance but didn´t explore basic definitions Criticism against GDP measures
Pair 2: They discussed the power of change, being competition
Pair 3:

3. Update listing of Issues and Opportunities - noting any changes to existing ones and adding new ones.	
ISSUES – list 7 Disconnection between research communities using different methodologies, different scales (local, global, territory , geographical, political etc..) 8 Existing governance systems are very robust (related to issue 4 and 5) 3 Governance is localized (we discussed that this has pros and cons) 9 Interdependency /Freedom / Independence (debate)	OPPORTUNITIES- list 7 -Need of advanced research, meaning more consciousness on the conceptual and methodological level. 8 Robustness can be or not an opportunity 9 Interdependency increases possibilities
Insert photo 1 of revised conversation map	Insert Photo2 (if not included in photo 1)

Please Insert any additional Narrative elements here – e.g. agreements, disagreements, explanations novel insights etc

We discussed what are the insights from the first day and what we would add to our map.
We discussed the issue of freedom versus independence and interdependency , we also agreed that these principles should be included in research.

INQUIRY SESSION 5: Update Issues/Opportunities and Reorganise

1. Update listing of Issues and Opportunities - noting any changes to existing ones and adding new ones.	
ISSUES – list -Inter-disciplinarity / trans-disciplinarity -Scaling, because the is an increasing disconnection between communities -Reversibility, models are not flexible enough -Science is dis-embedded from political processes yet is being used as an instrument for governance -What does governance means ? -Concept of Anthropocene -Existing Governance Systems are very robust. -Role of science participation -Reversibility -Localization of governance. -Global or local scale -Commons (pro/cons/	OPPORTUNITIES- list **Strengthening the local in relation to the global** -Do not insist on multi-laterality –Principled action -Work and build on micro (local structures) **Re-embedding science** -Productive and authentic dialog -Advancing research on the conceptual and methodological level -Science needs to commit to ownership of its own outputs -Productive and authentic dialog -Building living labs and real experiments -Abandon reproducibility -Favour options that increase reversibility
Insert photo 1 of revised conversation map	Insert Photo2 (if not included in photo 1)

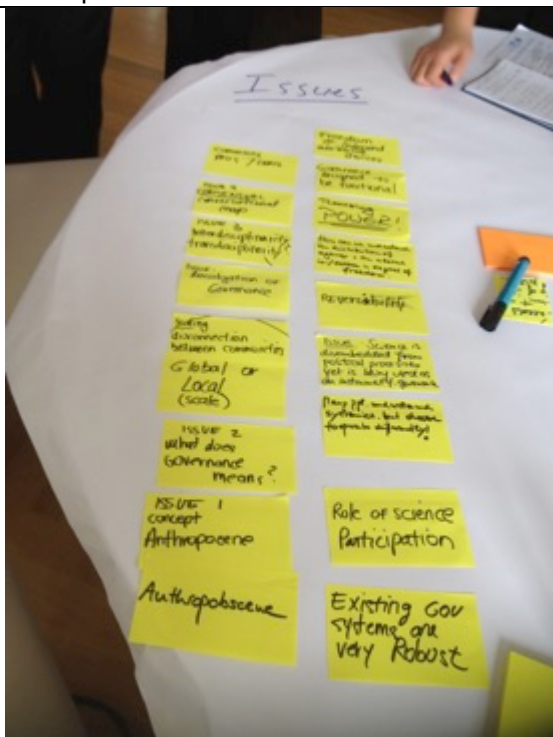| 2. Photo of reorganised Issues and Opportunities on new sheet	
Insert photo	
Please Insert any additional Narrative elements here – e.g. agreements, disagreements, explanations novel insights etc We decided to rescue all the idea until the moment (even if formulated as an issue or not) and cluster the respective possibilities according. We didn´t have enough time to discuss some issues	

INQUIRY SESSION 6: Update Issues/Opportunities

1. Update listing of Issues and Opportunities - noting any changes to existing ones and adding new ones.	
ISSUES – list -Inter-disciplinarity / trans-disciplinarity -Scaling, because the is an increasing disconnection between communities -Reversibility, models are not flexible enough -Science is dis-embedded from political processes yet is being used as an instrument for governance -What does governance means ? -Concept of Anthropocene -Existing Governance Systems are very robust. -Role of science participation -Reversibility -Localization of governance. -Global or local scale -Commons (pro/cons/	OPPORTUNITIES- list **Strengthening the local in relation to the global** -Do not insist on multi-laterality –principled action -Work and build on micro (local structures) **Re-embedding science** -Productive and authentic dialog -Advancing research on the conceptual and methodological level -Science needs to commit to ownership of its own outputs -Building living labs and real experiments -Abandon reproducibility -Favour options that increase reversibility
Insert photo 1 of revised conversation map	Insert Photo2 (if not included in photo 1)

2. Photo of clusters of Issues and Opportunities on new sheet	
Insert photo	

Please Insert any additional Narrative elements here
4 people of our group left after the lunch break

INQUIRY SESSION 7: Formulating an actionable system

1. Update listing of Issues and Opportunities - noting any changes to existing ones and adding new ones.	
ISSUES – list 1 2 3	OPPORTUNITIES- list 1 2 3
Insert photo 1 of revised conversation map	Insert Photo2 (if not included in photo 1)

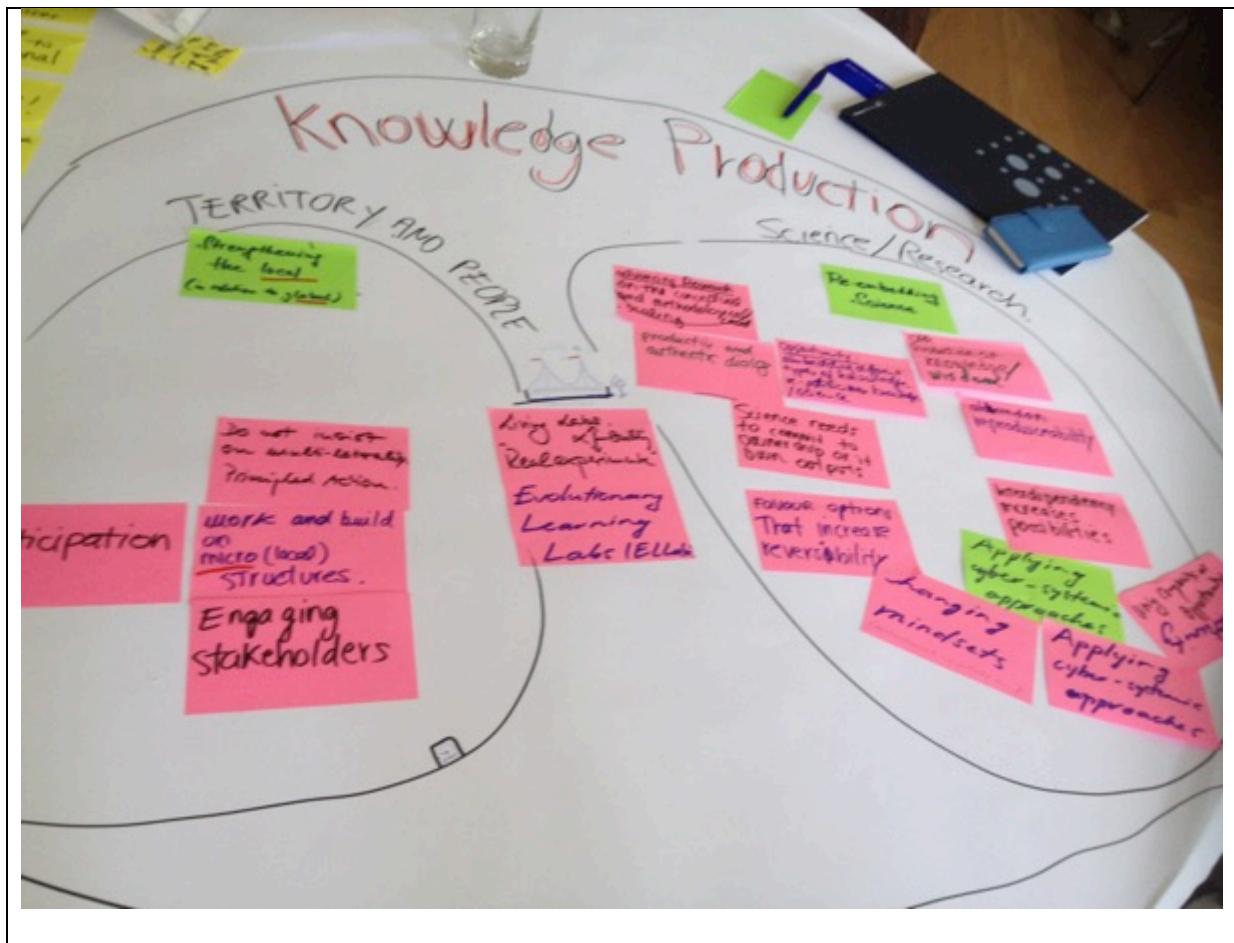| 2. List of subsystems title and opportunities	
Subsystem title	*Opportunities in Subsystem*
System : Knowledge Production **Subsystem 1 : Science/ Research** **Re-embedding science** **Subsystem 2: Territory**	**Opportunities in subsystem 1** 1.Advancing Research (on the conceptual and methodological level)Scaling 2.Productiv and authentic dialog 3. Science needs to commit to ownership of its own outputs 4. Building living labs and real experiments 5. Abandon reproducibility 6. Favour options that increase reversibility 7. Applying cyber systemic approaches 8. Changing mind-sets **Opportunities subsystem 2** 1 Participation 2 Do not insist on multi-laterality, principled action 3 Work and build on micro (local) structures 4 Engaging a broader range of stakeholders
Insert photo of finalised set of subsystems and opportunities	

Please Insert any additional Narrative elements here – e.g. agreements, disagreements, explanations novel insights etc
The link between the science system and the territory system is building living labs , real experiments , evolutionary learning labs .

3. Voting on priority subsystems
Listing on priority subsystems 1. Science /Research 2. Territory and people
Insert photo of voting on systems map

PLENARY – Reflections and Priorities

1. Reflections on your inquiry (please list)

We summarized all our conversation in "knowledge production, all types of knowledge" because all our reflections of the day ended up adding to this point.

A priority action relating to the subsystem receiving the most votes

1) Move from pure science to impact !!! a bridge between science and territory and people (work and build on local in relation to global). It would be a living lab (real experiments) or called evolutionary labs

2) Applying bio -cyber –systemic approaches in governance

Please Insert any additional Narrative elements here – e.g. agreements, disagreements, explanations novel insights etc

Please make sure you have taken a photo of your table group at some suitable point during day 1 or day 2

Insert table group photo here:

Insert photo of table group

** Please note: the PhD cohort will meet directly after

the end of day 2 for a short debriefing **

THANK YOU!