

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

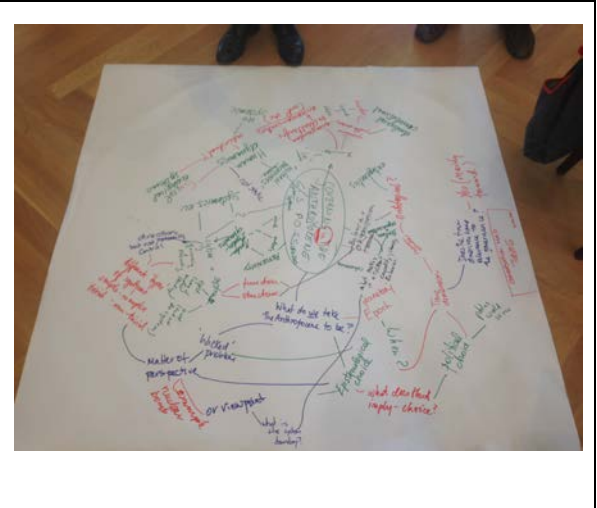
INQUIRY RECORDING TEMPLATE

Table Number:	6
Participant Names	Ivan Mactaggart Kinga Boenning Dale Walker Arild Vatn Thich Nguyen Umberta Telfener Luisa Perez Mujica
Recorder Names: (PhD Students + others)	Luisa Perez Mujica Thich

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 <i>Issues</i> (I) and <i>Opportunities</i> (O) listed from sticky notes on conversation maps – take and insert photos (2) of sticky notes on conversation maps.	
ISSUES – List 1. “Battle” between Epistemology and ontology 2. Lack of awareness or ignorance about interdependence 3. Use of language to build consensus 4. Time lags ...	OPPORTUNITIES – List 1. Develop relative ontology and epistemology 2. Educate ourselves and others in the value and forms of interdependence 3. Embrace uncertainties 4. Assuming and encouraging language (meaning) differences ...
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

1. Integrating simultaneous opposites
2. “Battle” between Epistemology and ontology
3. Lack of awareness or ignorance about interdependence (Individual and institutional: institutions are not fit to deal with interdependencies.
4. Use of language to build consensus
5. Time lags
- ...

OPPORTUNITIES- list

1. Develop relative ontology and epistemology
2. Value multiple perspectives
3. Leverage multiple positions
4. Educate ourselves and others in the value and forms of interdependence
5. Discover and co-construct root factors (avoiding stereotypes)
6. Embrace uncertainties
7. Assuming and encouraging language (meaning) differences

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

The group decided to start a new conversation map after the talk of M.C. Bateson as they considered that the differences on the table about governing the Anthropocene with cyber-systems should be addressed through the acknowledgement and implementation of the concept of interdependence.

- For the lack of awareness about interdependence the group furthered the discussion about:
- Dominance and dualistic hierarchical, non dependent thinking as opposed to holarchic thinking
 - Dominance of a bias towards independent as desired state
 - Dominance of white, western, male thinking, because it leads to overemphasis of independence and competition.

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)	
2. NEWS OF DIFFERENCE (list here):	
<p><i>Hosts:</i> Luisa and Ivan People from the other tables helped make more sense of a major point we were discussing in our own table called lack of awareness about interdependence. It was agreed that the lack of awareness about interdependence is not only about people now knowing but also about institutions not being fit to deal with interdependence.</p>	
<p><i>Pair 1:</i> Arild and Thich: The table was talking on institutional change and focused on the political system and multi governance issues and the problem of existing institutional political structures to accommodate problems related to the anthropocene issues. They didn't communicate a the table it was more like monologues. There were thing on the table that were not discussed. They were talking about to reorganise actions at lower levels of governance. They were talking aout levels below and above nation without being global.</p>	
<p><i>Pair 2:</i> After the morning discussion the table decided that, after sharing their insights of what happened at other tables, some elements were referred to as opportunities were regarded as issues, e.g. relying on information technologies as a solution on its own right.</p>	
3. Update listing of Issues and Opportunities - noting any changes to existing ones and adding new ones.	
<p>ISSUES – list All the issues above and: Power structures non transparent Money vs. reputation of companies and governments Technological information as a solution 3</p>	<p>OPPORTUNITIES- list 1. Developing ontology and epistemology 2. Value multiple perspectives 3. Leveraging multiple positions 4. Educating ourselves and other in the value and forms of interdependence 5. Discover and co-construct root factors not stereotypes 6. Embracing uncertainty 6. Assuming and encourage language (meaning) differences</p>
Insert photo	



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

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.

<p>ISSUES – list Haven't changed</p>	<p>OPPORTUNITIES- list</p> <ol style="list-style-type: none"> 1. Develop ontology & epistemology and relating ontology and epistemology. 2. Exploring interconnectivity 3. Heterogeneity in governance 4. Value multiple perspectives. 5. Leverage multiple positions. 6. Educating ourselves and others in the value and forms of interdependence 7. Cooperation 8. Uncover and co-construct root factors not stereotypes 9. Embracing uncertainty 10. Limit growth of rich countries and distribute in unequal countries. 11. Listening to others 12. Models as communication tools.
<p>Insert photo 1 of revised conversation map</p>	<p>Insert Photo2 (if not included in photo 1)</p>

2. Photo of reorganised Issues and Opportunities on new sheet



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

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
Haven't changed

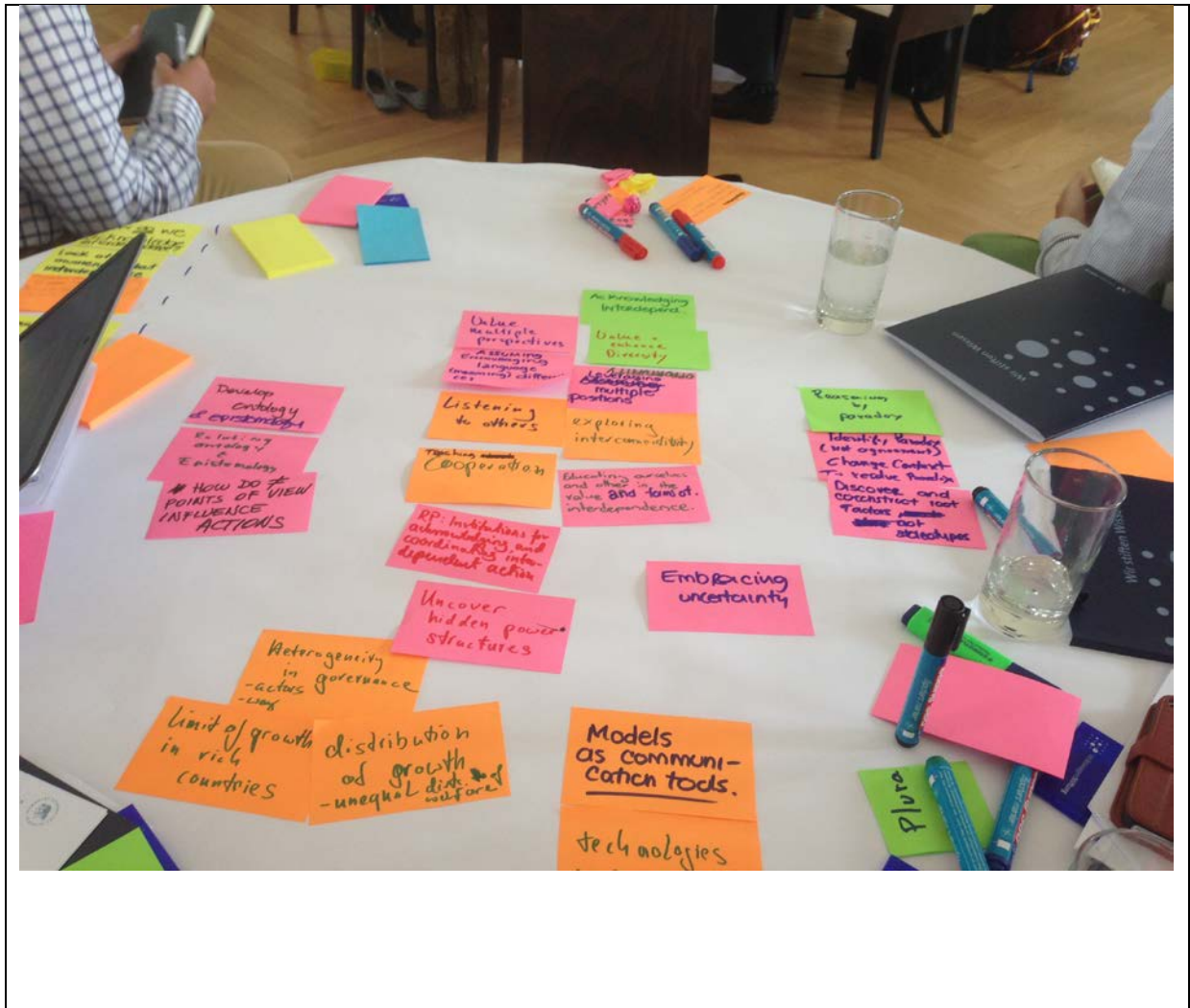
- OPPORTUNITIES- list
1. Acknowledge independence or value and enhance diversity
 - 1) Value multiple perspectives
 - 2) Assuming encouraging language
 - 3) Leveraging multiple positions
 - 4) Exploring interconnectivity
 - 5) Cooperation
 - 6) Educating ourselves and others in the value and forms of interdependence
 - 7) Research Project (RP): Institutions for acknowledging and coordinating interdependent actions
 2. Uncover hidden power structures
 3. Embracing uncertainty
 4. Models as communication tools and technologies as information tools
 5. Title in work:
 - a. Heterogeneity in governance (actors, work)
 - b) Limit growth of rich countries
 - c. Distribute growth
 6. Title in progress:
 - a. Develop ontology and epistemology
 - b. Relativity ontology and epistemology
 - c. PR: How do different points of view influence actions
 7. Reasoning by paradox
 - a. Identify paradox (not agreements), change context to resolve paradox
 - b. Discover and co-construct root factor, not stereotypes.

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 – e.g. agreements, disagreements, explanations novel insights etc

The group decided to change the approach from describing actions as guidelines and “good intentions” to propose research project.

INQUIRY SESSION 7: Formulating an actionable system

At this point, the table was exhausted and the process stopped.

1. Update listing of Issues and Opportunities - noting any changes to existing ones and adding new ones.

ISSUES – list	OPPORTUNITIES- list
1	1
2	2
3	3
Insert photo 1 of revised conversation map	Insert Photo2 (if not included in photo 1)

2. List of subsystems title and opportunities

<i>Subsystem title</i>	<i>Opportunities in Subsystem</i>
Acknowledging interdependence	<ol style="list-style-type: none"> 1. Acknowledging and coordinating interdependent actions. 2. Leveraging multiple positions 3. Exploring interconnectivity 4. Educating ourselves and others in the value and forms of interdependence. 5. Balance input /voices of people’s thoughts of diverse cultures. 6. Promote education about whole systems. 7. Discover and co-construct root factors not stereotypes 8. Promote education about whole systems
Implement interdependence	<ol style="list-style-type: none"> 1. Information technologies for the purpose of education. 2. Models as communication tools
Reasoning by paradox (or divergence)	Identify non agreements, change context to resolve paradox
Break up power structures	Heterogeneity in governance Limits of growth in rich countries and distribute in unequal countries Uncover hidden structures
Embrace uncertainty	Develop ontology and epistemology How do different points of view influence actions? Relating ontology and epistemology
Value and embrace diversity	Value multiple perspectives Listening to others Cooperation Assuming and encouraging language (meaning) differences

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

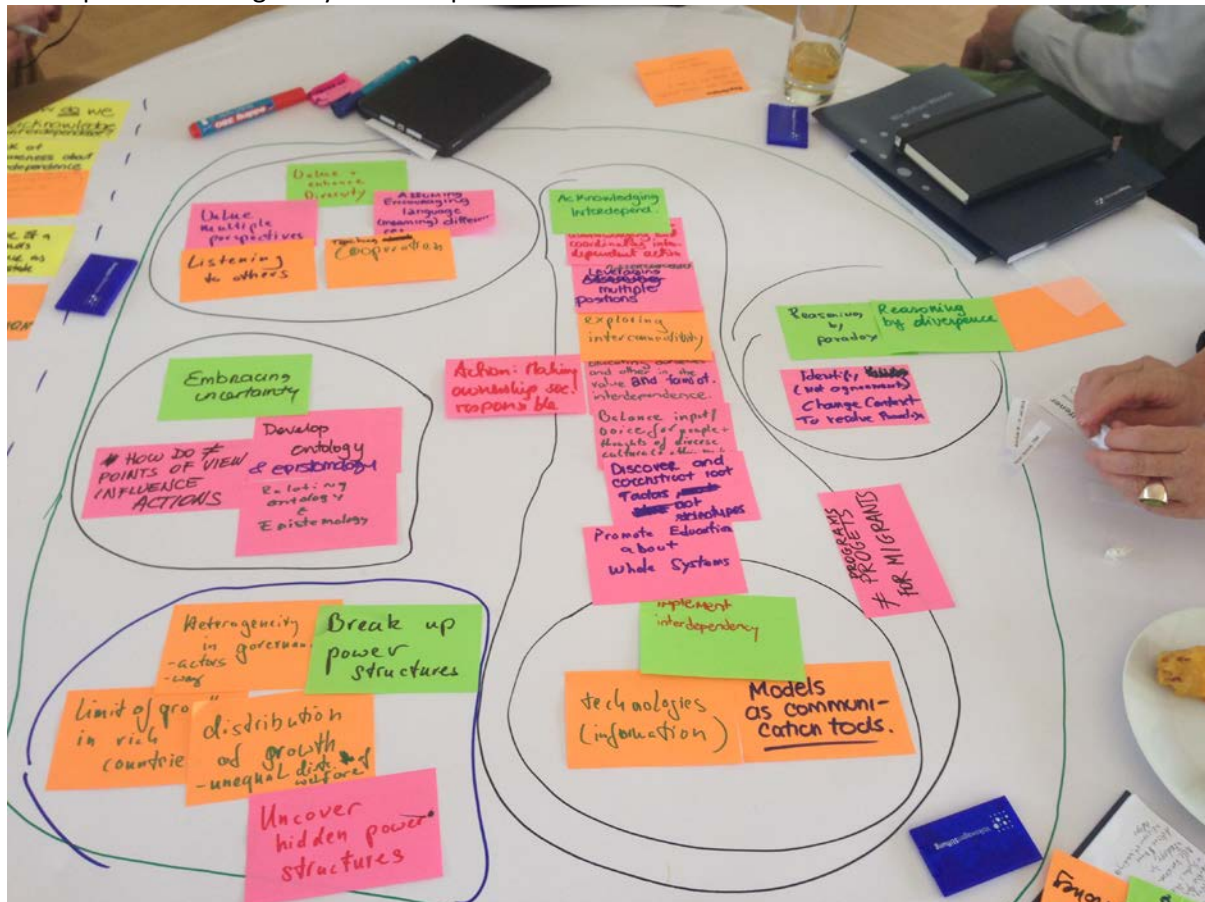
novel insights etc

3. Voting on priority subsystems

Listing on priority subsystems

We did not get to this point in our table

Insert photo of voting on systems map



Please Insert any additional Narrative elements here – e.g. agreements, disagreements, explanations, interpretations novel insights which can help interpret voting

PLENARY – Reflections and Priorities

1. Reflections on your inquiry (please list)

- What is interdependence and what is not?

- We all had different approximations and conceptualisations of the approaches to govern in the Anthropocene. However, the biggest reflection would be going beyond agreeing to disagreeing but developing the capacity to being fine with it.
- Although we are interdependent we are also autonomous beings and thus we are responsible for our actions.
- We would like to be more concrete and come up with more concrete projects and actions coming from the discussion.
- We agree that we disagree but we also agree that it is fine.

2. A priority action relating to the subsystem receiving the most votes
Interdependence

- A practical project would need to be developing programs targeted to involve migrants in a cybersystemic manner.
- Another research could focus in making ownership socially responsible in the context of interdependence.
- We also need to legitimize the discussion and development of “Whole System Theory”.
- It is fundamental to develop a body of knowledge for governing the Anthropocene.

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:

