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

INQUIRY RECORDING TEMPLATE

Table Number:	15
	S.D. Noam Cook, Hans Dieter Kasperidus, Robert
Participant Names	Hoffman, and Felix Tretter
Recorder Names: (PhD Students + others)	Emily Gates

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.

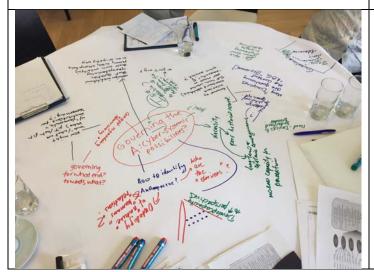
INQUIRY 3 – At the end of this session have all <u>Issues</u> (I) and <u>Opportunities</u> (O) listed from sticky notes on conversation maps – take and insert photos (2) of sticky notes on conversation maps.

ISSUES - List

- 1. Definition of a system is an issue because it causes a division in the situation we depart from.
- 2. Unacknowledged human perspectives are an issue because they limit our capacities to understand.

OPPORTUNITIES - List

- 1. Create framing devices for way to define a system to guide thinking about and acting in situation.
- 2. Develop cyber-systemic skills at recognizing, critiquing, developing, using, and choosing among multiple perspectives.



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

- 3. Existing institutions cannot "govern the anthropocene" because they cannot (do not) question their own assumptions.
- 4. Language is an issue because of its context is not spelled out and causes confusion.

OPPORTUNITIES- list

- 3. Develop cybersystemic institutions that by definition question their own assumptions.
- 4. Develop a language of communicating about complex systems beyond scientific communities.



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

For issue 1, the group had different understanding of what a "system" was and what counted and didn't count as a system. Therefore, the group wrote this as an issue.

For issue 2, the group had disagreements about what "governance" meant as one person understood it to mean governmental institutions and another as citizens everyday decision-making and organization that influences the world. Similar disagreements and different understandings came up about "anthropocene" and "modelling" so the group decided that an issue was our different perspectives when we don't acknowledge them.

For issue 3, one group member felt strongly that people working within governmental institutions did not reflect on and question what they were doing, let alone change what they were doing. Similarly, in the group's conversations, questions were asked of each other about our assumptions behind what we were saying. So the group decided another issue had to do with questioning

assumptions about decision-making.

For issue 4, this issue all stemmed from the conversation of the group in which we misunderstood each other at times because we were using words in different ways.

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 group acknowledged that we had few issues and opportunities, but that we had been having a good conversation so it wasn't important that we didn't generate so many post-its. 2. NEWS OF DIFFERENCE (list here): Hosts: I (Emily) was a host so I do not have news of difference. 3. Update listing of Issues and Opportunities - noting any changes to existing ones and adding new ones. ISSUES – list OPPORTUNITIES- list

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

Same list of opportunities

Same list of issues

When I asked the group about adding to or changing issues and opportunities, one of the members said not to worry. That even if the other groups had more post-its, we were having a useful conversation. And that these four issues captured well the points we had discussed.

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

- 1. Definition of a system is an issue because it causes a division in the situation we depart from.
- 2. Unacknowledged human perspectives are an issue because they limit our capacities to understand.
- 3. Existing institutions cannot "govern the anthropocene" because they cannot (do not) question their own assumptions.
- 4. Language is an issue because of its context is not spelled out and causes confusion.

OPPORTUNITIES- list

- 1. Create framing devices for way to define a system to guide thinking about and acting in situation.
- 2. Develop cyber-systemic skills at recognizing, critiquing, developing, using, and choosing among multiple perspectives.
- 3. Develop cybersystemic institutions that by definition question their own assumptions.
- 4. Develop a language of communicating about complex systems beyond scientific communities.

2. Photo of reorganised Issues and Opportunities on new sheet		
Insert photo		
No re-organization of the issues/opportunities.		

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	OPPORTUNITIES- list	
SAME	SAME	

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

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 **OPPORTUNITIES- list** 1. Definition of a system is an issue because it 1. Create framing devices for way to define a causes a division in the situation we depart from. system to guide thinking about and acting in 2. Unacknowledged human perspectives are an situation. issue because they limit our capacities to 2. Develop cyber-systemic skills at recognizing, critiquing, developing, using, and choosing 3. Existing institutions cannot "govern the among multiple perspectives. anthropocene" because they cannot (do not) 3. Develop cybersystemic institutions that by question their own assumptions. definition question their own assumptions. 4. Develop a language of communicating about 4. Language is an issue because of its context is not spelled out and causes confusion. complex systems beyond scientific communities. Insert photo 1 of revised conversation map Insert Photo2 (if not included in photo 1)

2. List of subsystems title and opportunities	
FOSTERING CYBER-SYSTEMIC CAPACITIES	 Help shift the frame of the group from competitive to collaborative/responsible within the team and organization as a whole.
	 Establish open, public access virtual space for sharing models of complex systems across different systems science disciplines
	 Creating and reforming institutions and practices for generating specialized and social learning of cyber-systemic skills
	4. Structure time and space for members of an organization to reflect and learn from practice
Just one system with these 5 sub-systems, Apologies that I did not take a photo of this final sheet	

The group was quite happy with these four sub-systems. I, personally, was surprised as there was many back-and-forth misunderstandings and difference of perspectives in the conversation that the group ended up with some "steps" that were satisfactory to all.

3. Voting on priority subsystems

All 4 of these sub-systems were important to the group.

PLENARY – Reflections and Priorities

The group felt some sense of connection at the end of the conversation, as contact information was exchanged, pictures taken, 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:

