

CO-PRODUCTION – LURES AND PITFALLS

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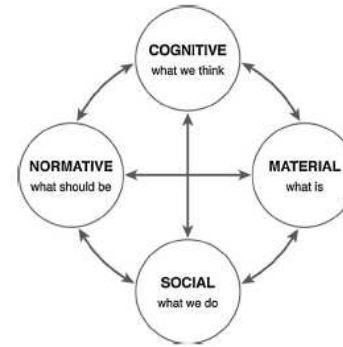
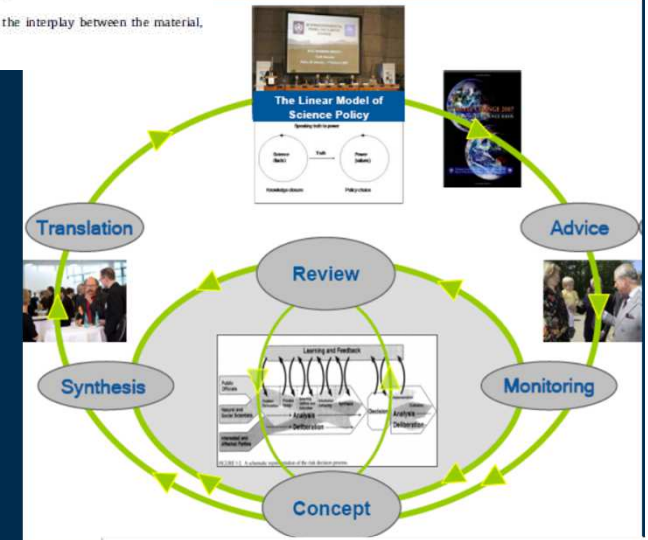


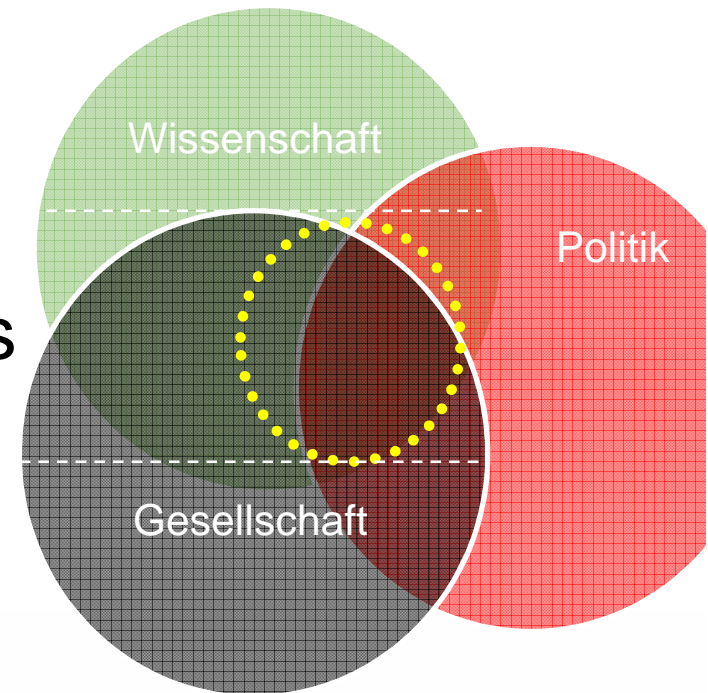
Fig. 1. A model of co-production depicting the interplay between the material, normative, social and cognitive domains. Derived from Jasanoff (2004a,b).



STRUCTURE

Tacking Stock of Co-Production

- I. Research Context
- II. Concepts of Co-Production
- III. Implications and Consequences
- IV. Lessons learnt?

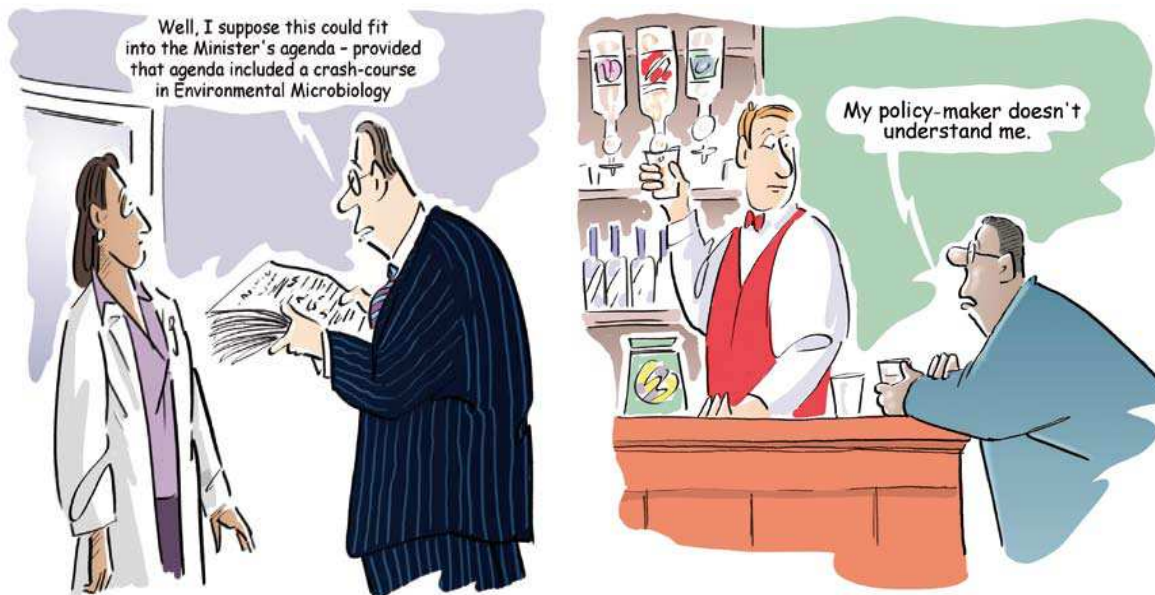


THE CHALLENGE: RECONCILING DEMAND AND SUPPLY

Rio+20 UN Conference:

- science has been asked to be “relevant”
- demand for “usable” information for decision-making

Relevance and “usability” of scientific findings?



II. CO-PRODUCTION

It requires systematic efforts

- Reconcile supply and demands for knowledge in an effective and coherent way
- Align research closely to the needs of the transformation process

First initiatives experimenting with co-design

- Participatory turn?
- New contract of science and society?

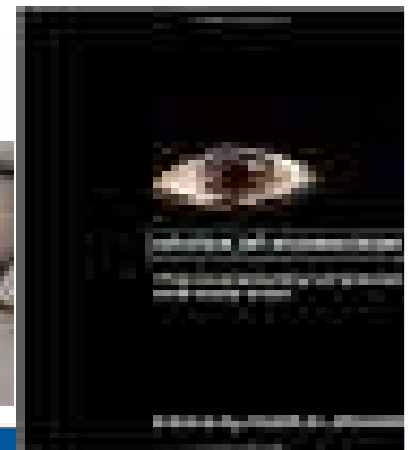
WHAT IS CO-PRODUCTION?

The term ‘co-production’ has a range of meanings ?!?

- a *practical-organizational* one, as adopted by *Future Earth*
- a *conceptual, social-philosophical* one (STS)
- Jasanoff introduces the distinction between “weak” and “strong” co-production
- Melissa Leach: trying to translate and exploring middle ground in between



Contemplating co-production



CO-PRODUCTION

“Science needs to be designed and produced in ways that speak to and are relevant to the perspectives, priorities and interests of particular groups” (M. Leach)

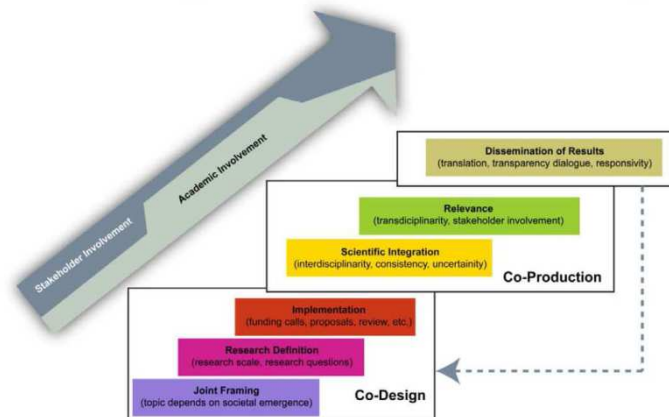
- The bottom line reason for doing co-design is *relevance* and *usefulness*
- People will buy into it, because they’ve already bought into the making of it



FORMS OF CO-PRODUCTION

MULTIPLE STAKEHOLDERS WORK TOGETHER

The process of co-design and co-production of knowledge



Mausser W, Klepper G, Rice M, Schmalzbauer BS, Hackmann H, Leemans R, Moore H: Transdisciplinary global change research: the co-creation of knowledge for sustainability. Current Opinion on Environmental Sustainability 2013, (Submitted)

- to actually carry out research, to generate and apply findings
(Co-Production)
- to design a scientific research process
(Co-Design)

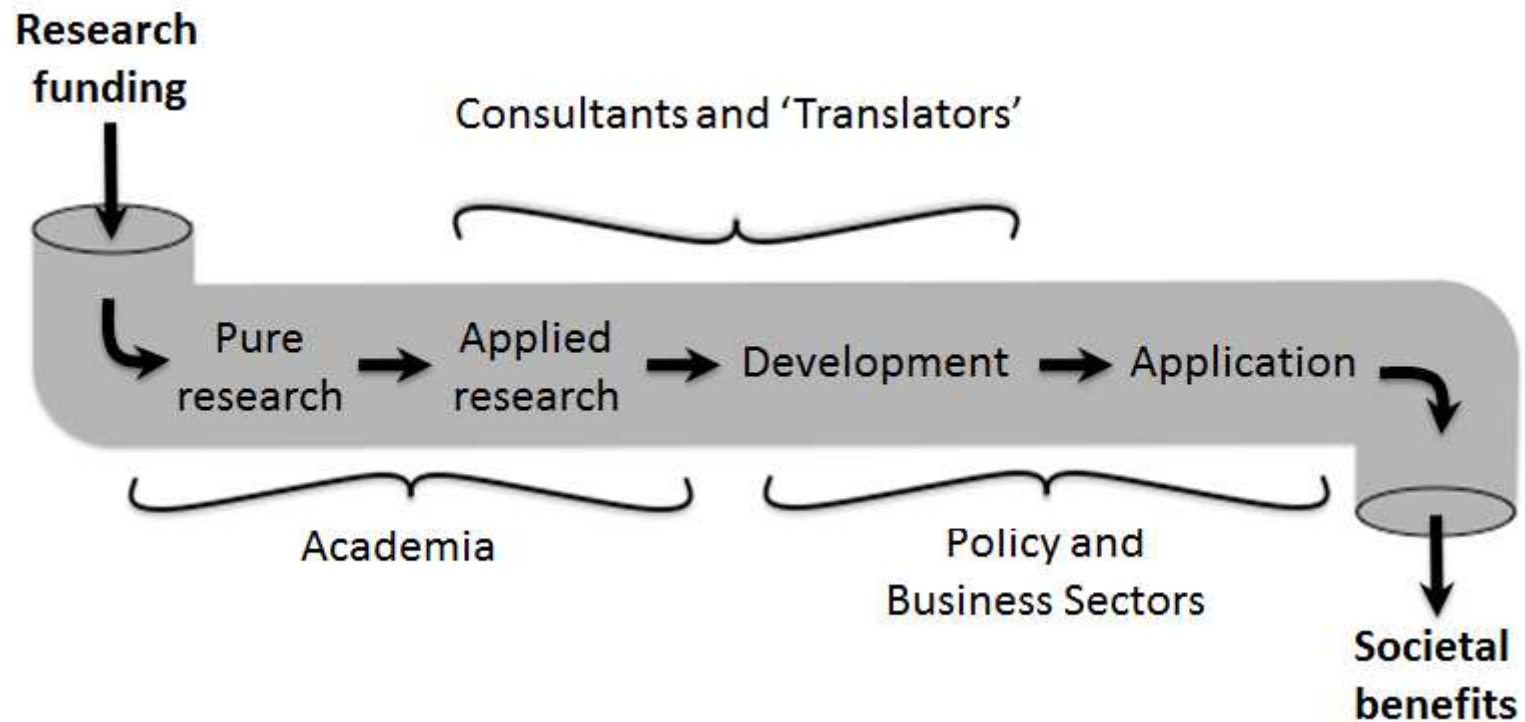
STRONG CO-PRODUCTION SHEILA JASANOFF

MUTUAL CONSTITUTION OF SCIENCE AND NORMS



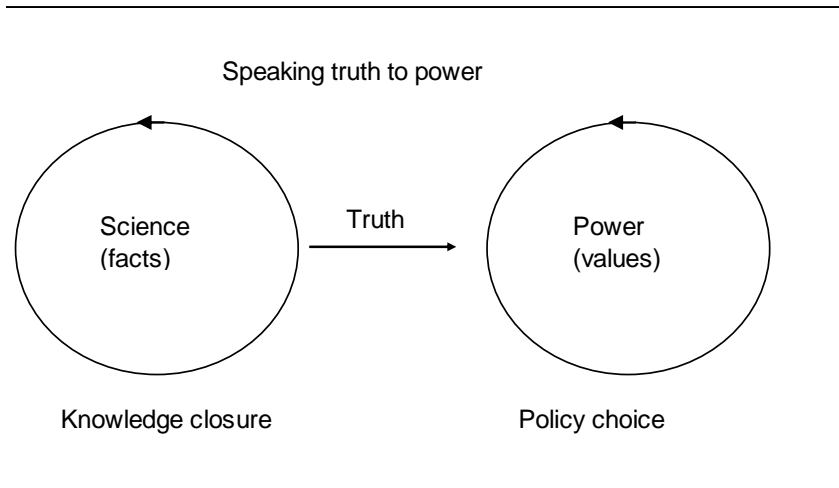
- The way a thing is (*ontology*) is inseparable from normative commitments to what ought to be (*norms*)
- constructing a representation of the world as it is a representation of the world as you want it to be

<http://www.futureearth.org/blog/2014-jul-23/be-inclusive-you-need-more-voices-qa-sheila-jasanoff>



A 'linear model' of science and society

FROM DETERMINISM TO EXPERIMENTATION



Science determines policy

- More and better information trigger political action

Mutual interplay

- CoP as experimental process, open and contingent outcomes

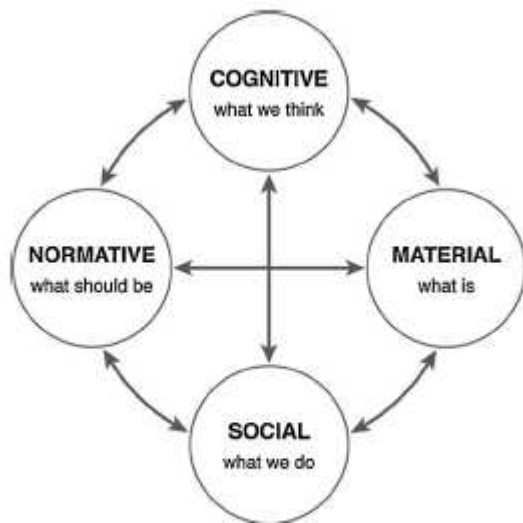


Fig. 1. A model of co-production depicting the interplay between the material, normative, social and cognitive domains.
Derived from Jasanoff (2004a,b).

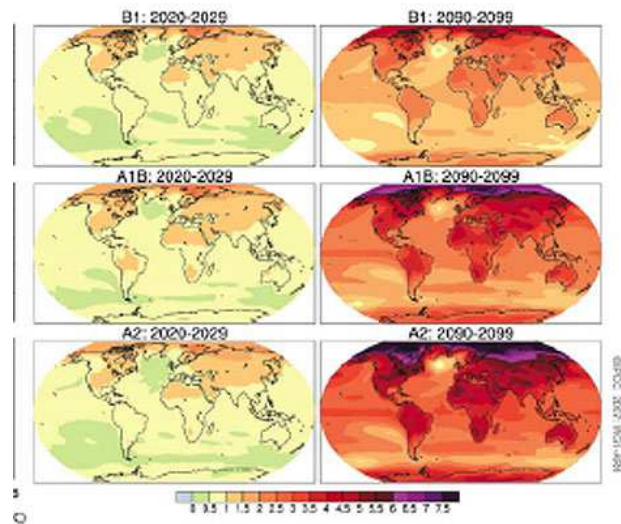
CO-PRODUCTION: MELISSA LEACH



“Any position – any way of looking at the world – taken by researchers or other stakeholders, always contains implicit social and political commitments, that contain views of the world and the way one wants the world to be.”

the design of a scientific enquiry is also the design of a particular view of society and social order (world-building)
(<http://www.futureearth.org/blog/2014-jul-23/co-design-relevance-and-usefulness-qa-melissa-leach>)

FRAMING (EFFECTS)



the way in which we frame a problem is inextricably linked to the ways we choose to solve them:

- Framing climate change as global, single and all embracing risk
 - requires a global, multilateral solution

FEEDBACK LOOPS

co-production of science is
putting a vision into action
and producing society

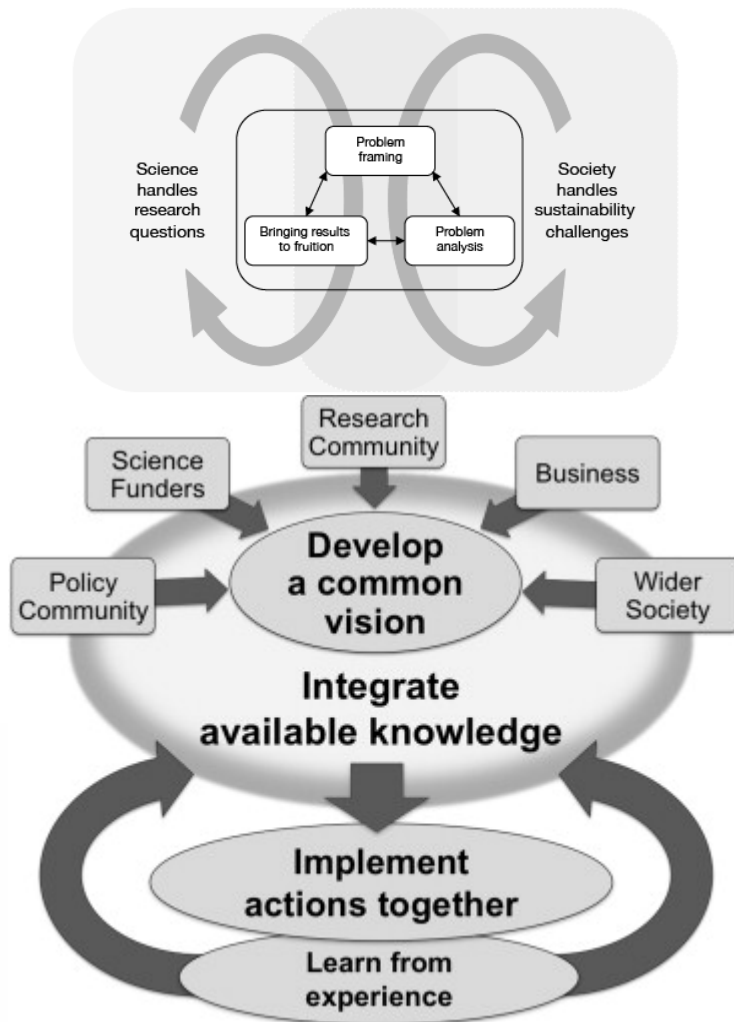
LOOP:

‘Nature’ and ‘Society’

INTERTWINED

LOOP:

‘Analysis’ and ‘Behaviour’



III. IMPLICATIONS AND CONSEQUENCES

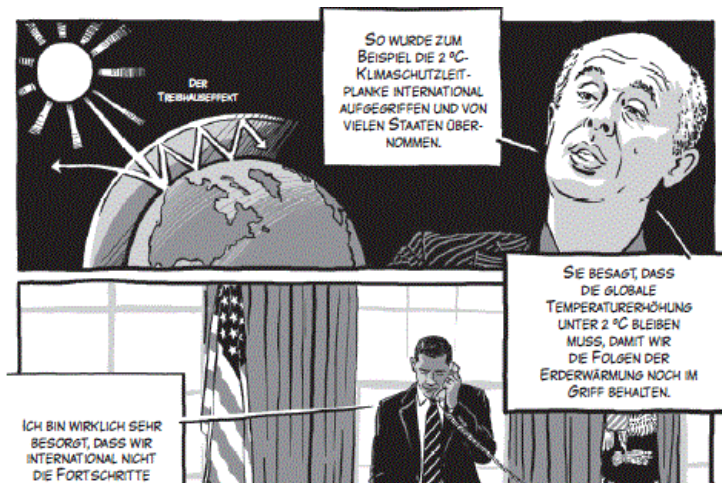
Requirements for the scientists and stakeholders involved

- to be “reflective about how we intervene, in word or deed, in the changing order of things” (Jasanoff)
- to be humble and reflective about own positions, recognizing that own views of the world and of what kinds of science and knowledge are appropriate are always positioned and partial (Leach)



UNCOMFORTABLE KNOWLEDGE

That's not necessarily comfortable for scientists used to
'speaking truth to power'



- Neutral Arbiter
- More and better information trigger political action
- Scientific evidence as the only authority to justify policy action
- global problems to be solved by expert consensus

SPEAKING “HONESTLY”

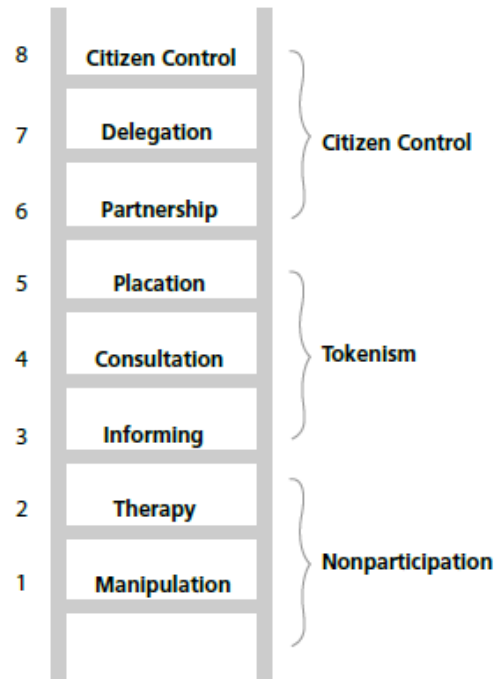
- *Critical scrutiny*: the enterprise of science is always about putting out hypotheses, questions and ideas; opening them up to critique and testing
- Need to lay open
 - Limits of information and the extent of their uncertainty in a spirit of professional *humility* (Jasanoff)
 - Ambiguities in the available knowledge not be concealed behind monolithic claims of scientific certainty
 - Normative commitments

'TO BE INCLUSIVE, YOU NEED MORE VOICES'

“Local knowledge and stakeholders should be a vital part of Future Earth's co-design and co-production” (Leach)

- people living with climate change who might be affected by mitigation efforts need to be involved
- they play key roles at national, regional and local levels
- “The perspectives of people who are dealing with ecosystem and sustainability processes in everyday urban and rural settings are crucial” (Leach)

FROM PARTICIPATION TO GIVING VOICE



Arnstein's Ladder (1969)
Degrees of Citizen Participation

(Dis-)Empowering effects

Risk of de-skilling and marginalizing local voices by

- framing questions as a purely scientific issue
- closing down discussions from the outset
- substituting the epistemic authority of experts for all experience of society
- neglecting questions of representation and legitimacy

INSTITUTIONAL DESIGN

Challenges: Linking up scales and designing platforms to give a voice to a full diversity and plurality of views and knowledges

Taking into account practical things:

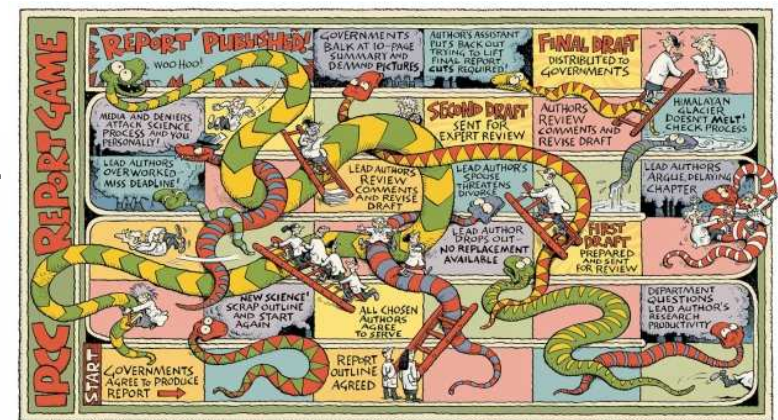
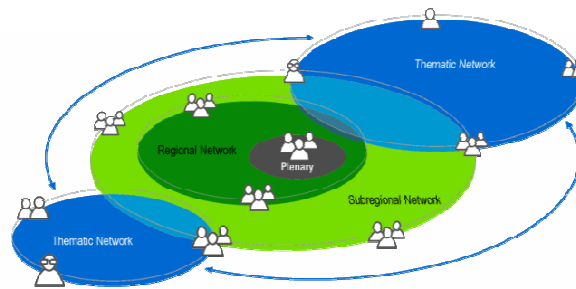
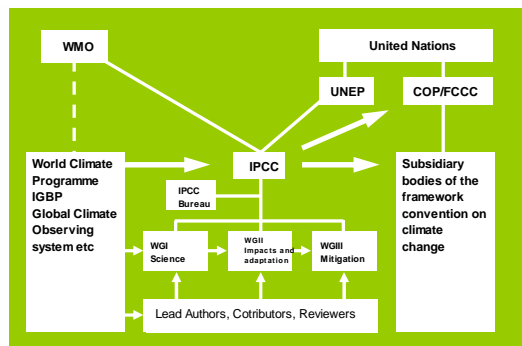
- who's sitting at the table?
- who speaks for the local/ global?
- where are discussions held?
- how are they chaired?
- how is participation organized?
- how are stakeholders invited?



INSTITUTIONAL DYNAMICS

Need to:

- Address causes rather than symptoms: such as constellations that drive such organizations towards premature closure (power relations + lack of capacities... access to information)
- Improve organizational responsiveness and institutional reflexivity



ASSOCIATION

IV. CONCLUSIONS

no simple solution/ panacea – one size fits all model

Opening up to choices in co-production

- by bringing in generally neglected knowledge sources, voices

RE-POLITICIZATION BY A PLURALITY OF ACTORS

- Opening up to alternative paths and options
- Catalyzing important political debates about societal transformation towards sustainability



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OPEN QUESTIONS

- How to distinguish from *legitimate* and *non-legitimate* forms of co-production?
- How to design novel processes and arrangements?
- How to address real life conditions and capacities/ societal contexts & institutional dynamics?
- How to render co-design responsive, transparent and democratically accountable?



THANK YOU FOR YOUR ATTENTION!

FOR MORE INFORMATION:

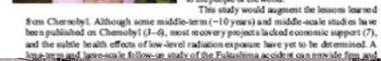
<http://www.ufz.de/index.php?de=5770>
<http://www.ufz.de/index.php?en=31833>

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GAiA

» Science Risk (ASIR). The panel is recognized as a pioneer in providing policy-relevant science in global policy. It has expanded the most comprehensive enhancement of scientific knowledge to date analysis managed by technical experts throughout the world in policy relevant sciences. In doing so, it has updated its portfolio of global science with new science, thereby supplying a mechanism for subsequent analysis to members of climate policy. Since 2006, ASIR has been co-chaired by two scientists from Brazil, Vice President Alvaro Costa. The 2007 ASIR assessment report had already signaled that transverse areas over the business of global warming have effectively been studied and that further information on the climate system are real and significant (IPCC 2007). The IPCC has thus accumulated a core part of its original mission, which is to provide the scientific basis for decision-making on climate change, global climate change. However, many of the characteristics and consequences of future climate change

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role of the Platform in strengthening science-policy interface in biodiversity ecosystem services, but does not address fact that science policy formation does depend solely on scientific facts.

In practice, policy is formed through intermingling of scientific knowledge, political judgment, and practical considerations.

2) Establishing an institution to identify information, perform assessments, identify needs, prioritize capacity-building (3), evaluate policy options will not necessarily provide a "sound...science/policy interface" (4) because the science-policy interface is not linear (5) (Fig. 2) and some