

November 4, 2011

Science System Assessment

Organizing Stakeholder Involvement in Climate Science

An inventory of programmes,
activities, and obstacles

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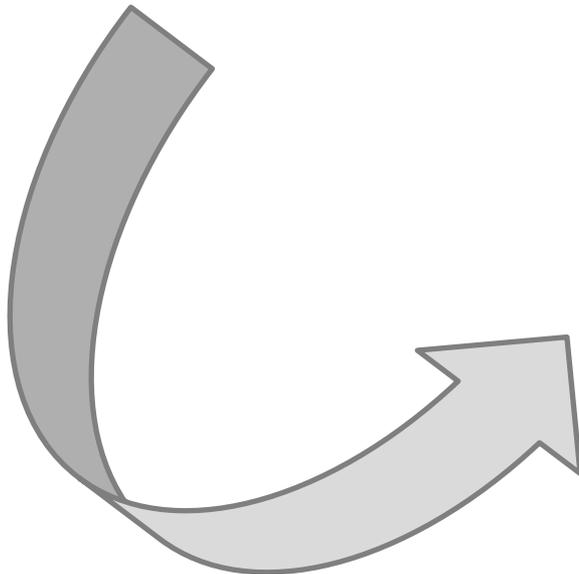
Too far...

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Drivers:

- Accountability of research (Barry et al., 2008)
- Complexity of climate problems (Lemos & Morehouse, 2005)



Stakeholder Involvement

Research questions

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What kind of stakeholder involvement has been organized in climate science programmes?

- Organization types
- Activities

Is the emphasis on scientific excellence in the science system an obstacle for stakeholder involvement?

Inventory Climate Programmes:

1. Web- & document analysis
2. Expert survey
3. Questionnaire programme directors

Inventory Obstacles:

Case studies

- KLIMZUG (Germany)
- Knowledge for Climate (the Netherlands)

Outcomes: Typology of climate programmes



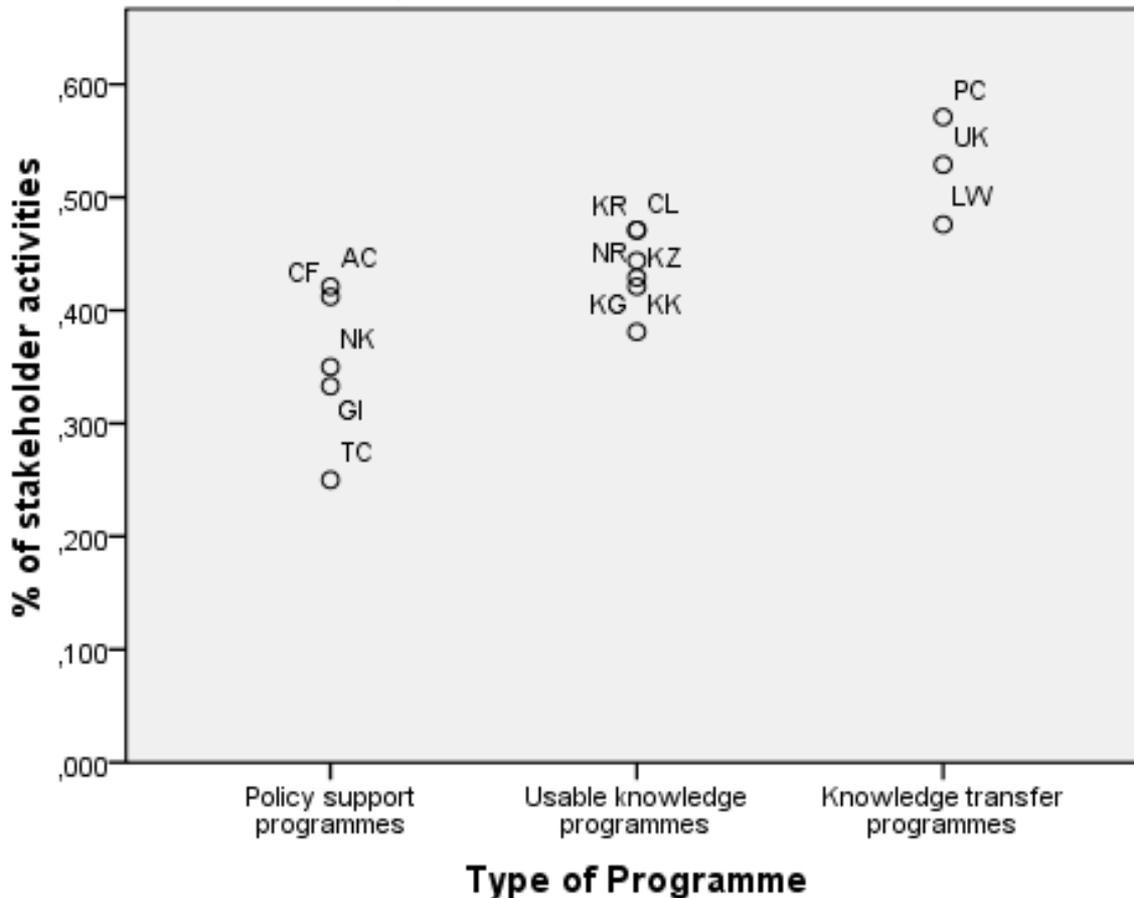
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| | |
|--------------------------------------|--|
| Policy Support Programmes | CSIRO Climate Flagship ACRP GICC NORKLIMA Tyndall Centre |
| Usable Knowledge Programmes | KLIMZUG Klimazwei Klimaat voor Ruimte Kennis voor Klimaat CLIPORE NOAA RISA |
| Knowledge Transfer Programmes | Leven met Water ProClim UK CIP |

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Relative Importance Stakeholder Activities



“Traditional” activities:

- Financing research projects
- Carrying out research projects
- Creating science networks

Stakeholder activities:

- Knowledge dissemination & communication
- Creating links and networks between scientists and stakeholders

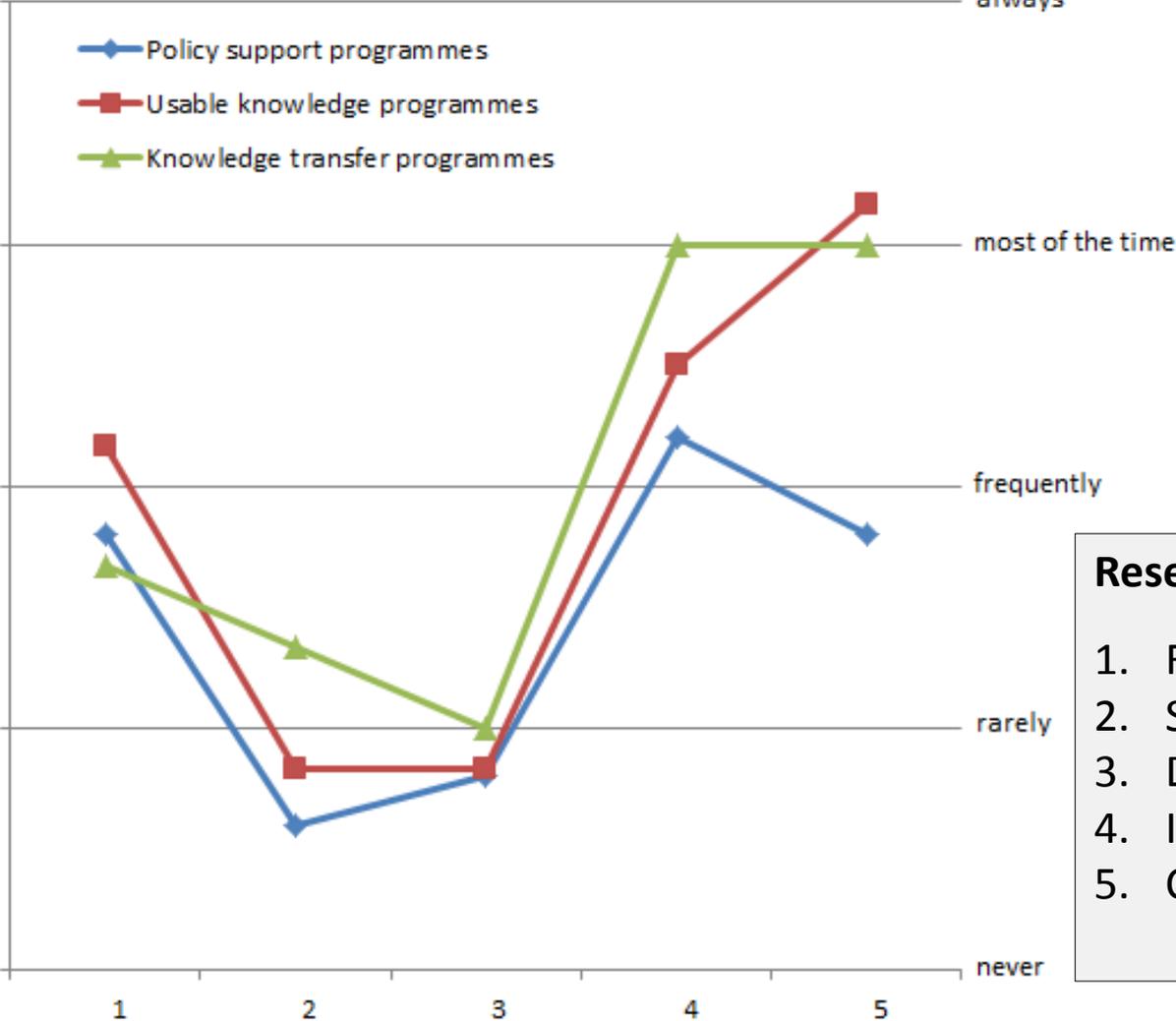
Outcomes: Stakeholder involvement in research



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Research Phases:

1. Formulating research questions
2. Setting up research design
3. Doing the actual research
4. Interpreting outcomes
5. Communicating outcomes

Outcomes: Obstacles for collaboration

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Research process (KLIMZUG & Knowledge for Climate)

1. General versus specific
2. Level of methodological detail
3. Interpretation of outcomes

Organization (Knowledge for Climate)

1. Proposals (entry point)
2. PhD system

To summarize

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- Stakeholder involvement high on the agenda for climate science programmes
- Diversity in aims and focus, but less in actual forms of stakeholder involvement
- Dynamics of the science system (especially the need to publish), makes science-society collaborations more difficult in these programmes

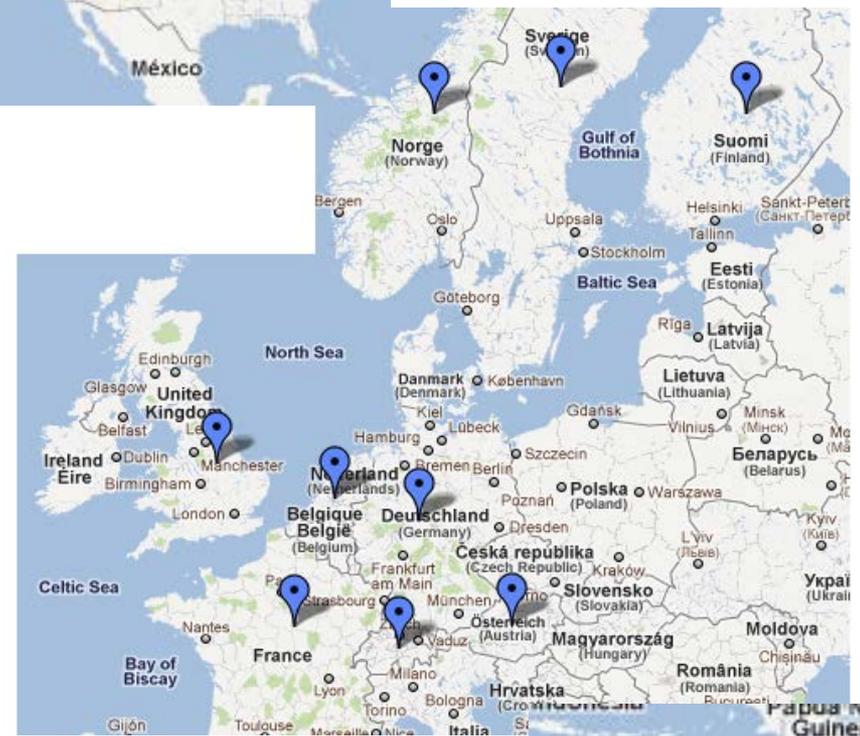
Thank you!
Questions?



Climate Programmes

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| Country | Name |
|-------------|------------------------|
| Australia | CSIRO Climate Flagship |
| Austria | ACRP |
| Finland | FICCA |
| France | GICC |
| Germany | KLIMZUG |
| Germany | Klimazwei |
| Germany | ClISAP |
| Netherlands | Klimaat voor Ruimte |
| Netherlands | Kennis voor Klimaat |
| Netherlands | Leven met Water |
| Norway | NORKLIMA |
| Sweden | SWECIA |
| Sweden | CLIPORE |
| Switzerland | NCCR Climate |
| Switzerland | ProClim |
| UK | UK CIP |
| UK | Tyndall Centre |
| USA | NOAA RISA |



Climate Programmes Inventory

| Country | Name | Focus | Duration | Annual Budget |
|-------------|------------------------|-------------------------|----------|---------------|
| Australia | CSIRO Climate Flagship | Adaptation | Ongoing | 29 mln € |
| Austria | ACRP | Adaptation & Mitigation | Ongoing | 5 mln € |
| Finland | FICCA | Interdisciplinarity | 4 Years | 4 mln € |
| France | GICC | Adaptation & Mitigation | Ongoing | 2 mln € |
| Germany | KLIMZUG | Adaptation | 7 Years | 17 mln € |
| Germany | Klimazwei | Adaptation & Mitigation | 4 Years | 9 mln € |
| Germany | CLiSAP | Modelling | 6 Years | 5 mln € |
| Netherlands | Klimaat voor Ruimte | Adaptation & Mitigation | 8 Years | 10 mln € |
| Netherlands | Kennis voor Klimaat | Adaptation | 7 Years | 13 mln € |
| Netherlands | Leven met Water | Water | 8 Years | 7 mln € |
| Norway | NORKLIMA | Adaptation & Mitigation | 10 Years | 13 mln € |
| Sweden | SWECIA | Modelling | 4 Years | 1 mln € |
| Sweden | CLIPORE | Climate Policy | 8 Years | 1 mln € |
| Switzerland | NCCR Climate | Interdisciplinarity | 5 Years | 1 mln € |
| Switzerland | ProClim | Adaptation & Mitigation | Ongoing | 1 mln € |
| UK | UK CIP | Adaptation | 7 Years | 1 mln € |
| UK | Tyndall Centre | Adaptation & Mitigation | 11 Years | 2 mln € |
| USA | NOAA RISA | Adaptation | Ongoing | 7 mln € |