

International workshop on Climate Change Adaptation Decision Support Tools

Knowledge for Climate/Joint Programming Initiative Climate Working Group 4

Amsterdam, KIT, 3 October 2012

1st Announcement

The Knowledge for Climate (KfC) programme is pleased to announce the organisation of an international workshop on Climate Change Adaptation Decision Support Tools, in collaboration with the Joint Programming Initiative Climate (JPI Climate, www.jpi-climate.eu/). The workshop aims at bringing together experts from the Netherlands and other European countries, to present and discuss the progress made in the KfC thematic project on decision support tools and a number of similar research projects in Europe, and to support the work of the JPI Climate Working Group on Decision Support Methods. The workshop will provide input for the last phase of KfC and for the programming of new research in the context of JPI Climate. Topics will include socio-economic scenarios, impacts modelling and modelling intercomparisons, economic evaluation methods of damages and adaptation policies, tools for monitoring and evaluation of adaptation policies. The output of the meeting will be two sets of recommendations, one for the final period of the KfC project and one on opportunities for future joint European research in the area of decision support methods and tools that can be taken into account by JPI Climate. The workshop will bring together up to 40 experts from the Netherlands and other European countries.

Preliminary Programme

The workshop is structured with parallel sessions on three themes which relate both to the Work Packages of the KfC project and major themes of JPI Climate WG4:

1. Socio-economic scenarios and impact modelling. This theme links the KfC work packages on scenarios, land use modelling, flood modelling and fresh water distribution to potential European activities in the context of scenario development and climate impact modelling intercomparison (follow-up of the ISI-MIP project) and translation of the new global scenarios (SSPs) to the European and national level.

2. Tools for communication and visualization in support of design of adaptation measures and monitoring of adaptation policy. This includes the KfC theme 8 subthemes on interactive development of spatial adaptation strategies, visualization, and monitoring and indicators. Knowledge transfer activities in other countries will be discussed, including opportunities to develop "science-practice labs" as a means to co-develop climate change adaptation knowledge. Dutch work with respect to monitoring and evaluating of the effectiveness of adaptation policies will be compared with current work in Germany, the UK and other countries.

3. Socio-economic evaluation tools and economic damage/costing methods. This will cover the KfC work packages on the economics of the impacts on freshwater resources and flood risks as well as optimal timing, cost benefit analysis and evaluation tools for adaption options. KfC and European experiences (e.g. in the FP7 ClimateCost project) will be used in a debate on promising future research directions.

Following the workshop and the KfC midterm assessment, JPI WG4 will meet on 5 October to further discuss how the recommendations can be taken up in the work of the WG.

Workshop participants are invited also to attend the KfC midterm assessment meeting (A Preview of End Results) on 4 October – information is available on the [website](#), registration is required.

Organizing Committee

The organizing committee is composed of Ekko van Ierland (Wageningen University and KfC theme 8 project leader), Hasse Goosen (Alterra, and KfC theme 8 Work Package leader), Rob Swart (Alterra, chair JPI Climate Working Group 4) and Gregor Laumann (DLR, chair JPI Climate Working Group 4). Logistic support will be provided by Ottelien van Steenis (KfC).

Preliminary programme (NB not all speakers have confirmed yet)

08.30-09.00	Registration
09.00-09.10	Welcome and introduction into Knowledge for Climate by Peter Driessen, Utrecht University and Knowledge for Climate Director
09.10-09.30	Overview of project Decision Support Tools (KfC theme 8) including major intermediate results – Ekko van Ierland, Wageningen UR
09.30-10.00	Joint Programming Initiative Climate, Working group 4 on Decision-Support Methods and Tools: Plans and Fast Track Activities – Rob Swart, Alterra
10.00-10.30	Questions and discussion
10.30-10.45	Break
10.45-12.30	Parallel sessions (three 15 minutes presentations with discussion on future research needs)

<i>Socio-economic scenarios and Impact modelling Chair Tom Kram (PBL)</i>	<i>Tools for visualization and design Chair Hasse Goosen (Alterra)</i>	<i>Socio-economic evaluation tools and monitoring Chair Ekko van Ierland (WUR)</i>
Land use scenario modelling intermediate results by Eric Koomen (VU)	Touch table interfaces for interactive adaptation planning by Ron Janssen (IVM)	The economics of impacts of climate change on freshwater resources by Roy Brouwer (IVM)
New global scenarios (SSPs) – relevance for Europe by Detlef van Vuuren (PBL)	3D-simulation of floods by Gerwin de Haan (TU Delft)	State-of-the-art in impacts costing by Carlo Carraro (FEEM) or Paul Watkiss (UK)
From SSPs to national and regional scenarios - opportunities and constraints by Kirsten Halsnaess (DK)	Visualization of climate information – climate ateliers by Hasse Goosen (Alterra)	Decision-making under uncertainties at the Worldbank by David Treguer (FR/WB)
Discussion on potential future scenario work	Discussion on future work on science-practice interfacing	Discussion on opportunities for economics research of impacts/damage assessment

12.30-14.00 Lunch and demonstration of tools (Tool Market)

14.00-15.30 Parallel sessions (three 15 minutes presentations with discussion on future research needs)

<i>Socio-economic scenarios and impact modelling Chair Tom Kram (PBL)</i>	<i>Tools for monitoring and evaluation of adaptation Chair TBD</i>	<i>Socio-economic evaluation tools and economic damage/costing methods Chair Ekko van Ierland (WUR)</i>
Flood modelling by Wouter Jonkhoff (TNO)	Monitoring challenges by Kaj van de Sandt (Alterra)	Optimal timing by Karianne de Bruin (CICERO)
MEDIATION integrated methodology and impact	UK experiences by Patrick Pringle (UK)	Challenges for adaptation costing – experiences with

assessment toolbox by Reinhard Mechler (IIASA)		coastal safety/DIVA by Robert Nicholls (UK)
ISI-MIP and future work on model intercomparison in Europe by TBD	German experiences by Petra von Rüth (DE)	Opportunities and constraints of CBA for adaptation TBD
Discussion on future impact modelling work	Discussion on adaptation indicator research	Discussion on future opportunities for economic evaluation methods

15.30-16.30 Synthesis and conclusions