

Joint Programming **GPC Meeting**
Brussels, 24th May 2012

Governance

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Chair of the JPI Climate

JPI CLIMATE

Vision

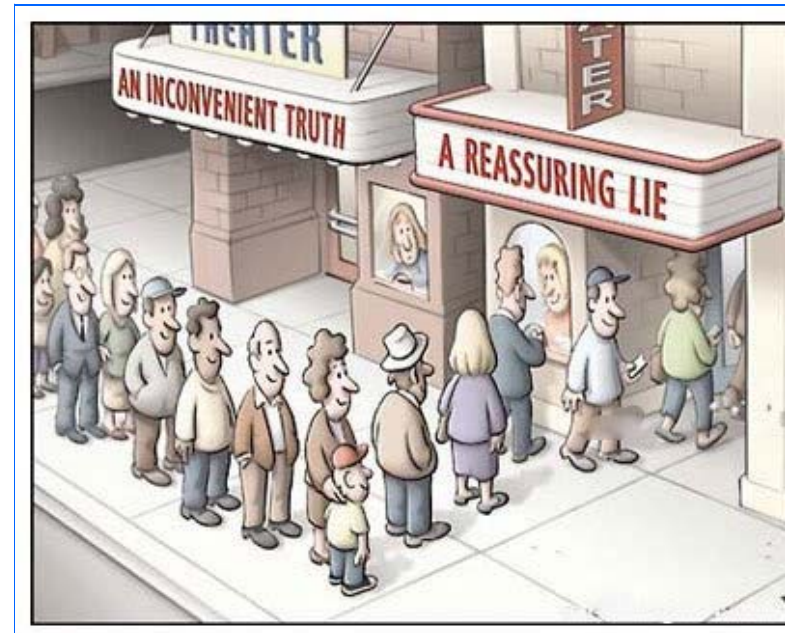
Strategic Research Agenda

Connecting Climate Knowledge for Europe

Point of Departure and Motivation

Climate Research in Europe

- Multitude of players: 562 partners involved in FP7 projects in 2007-2010
- Considerable national research contributions:
 - EC-FP7: 141,7 Mio EUR (2007-2010)
 - JPI-NRP: more than 200 Mio EUR per year
- Predominantly natural-science based
- Weak link between knowledge production and application (science and decision-makers)



JPI CLIMATE Countries



Member Countries: 12 + EC



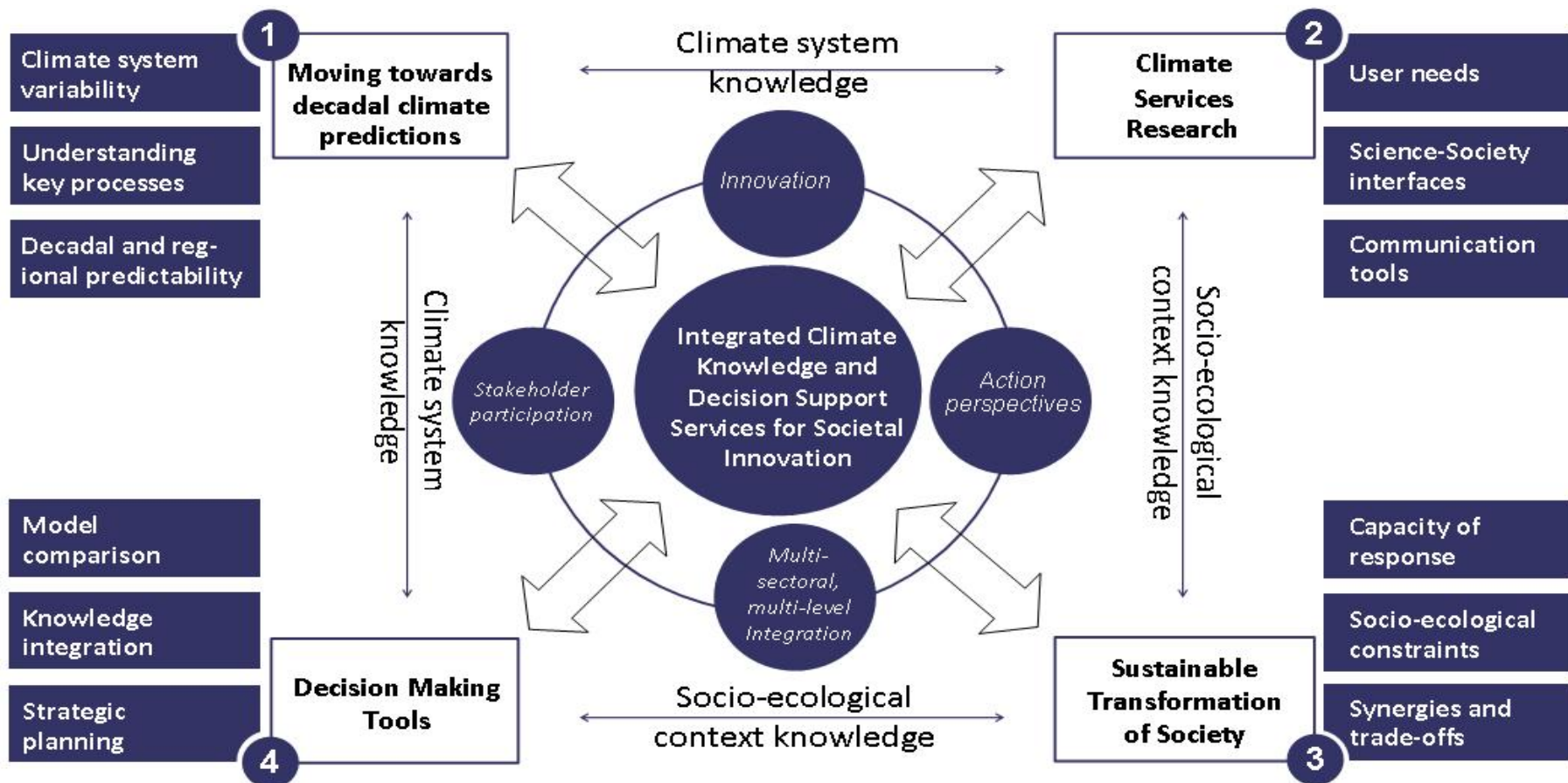
Observer Countries: 3

Observer Institutions: 4
(CIRCLE2, EEA, ECRA, NordForsk)



Strategic Research Agenda

4 Modules strongly connected through integrated policy questions



TAB Composition

Science:

- Business Management
- Political Sciences
- Economics
- Physics (2)
- Climatology (2)
- Oceanography
- Coastal Engineering
- Geography

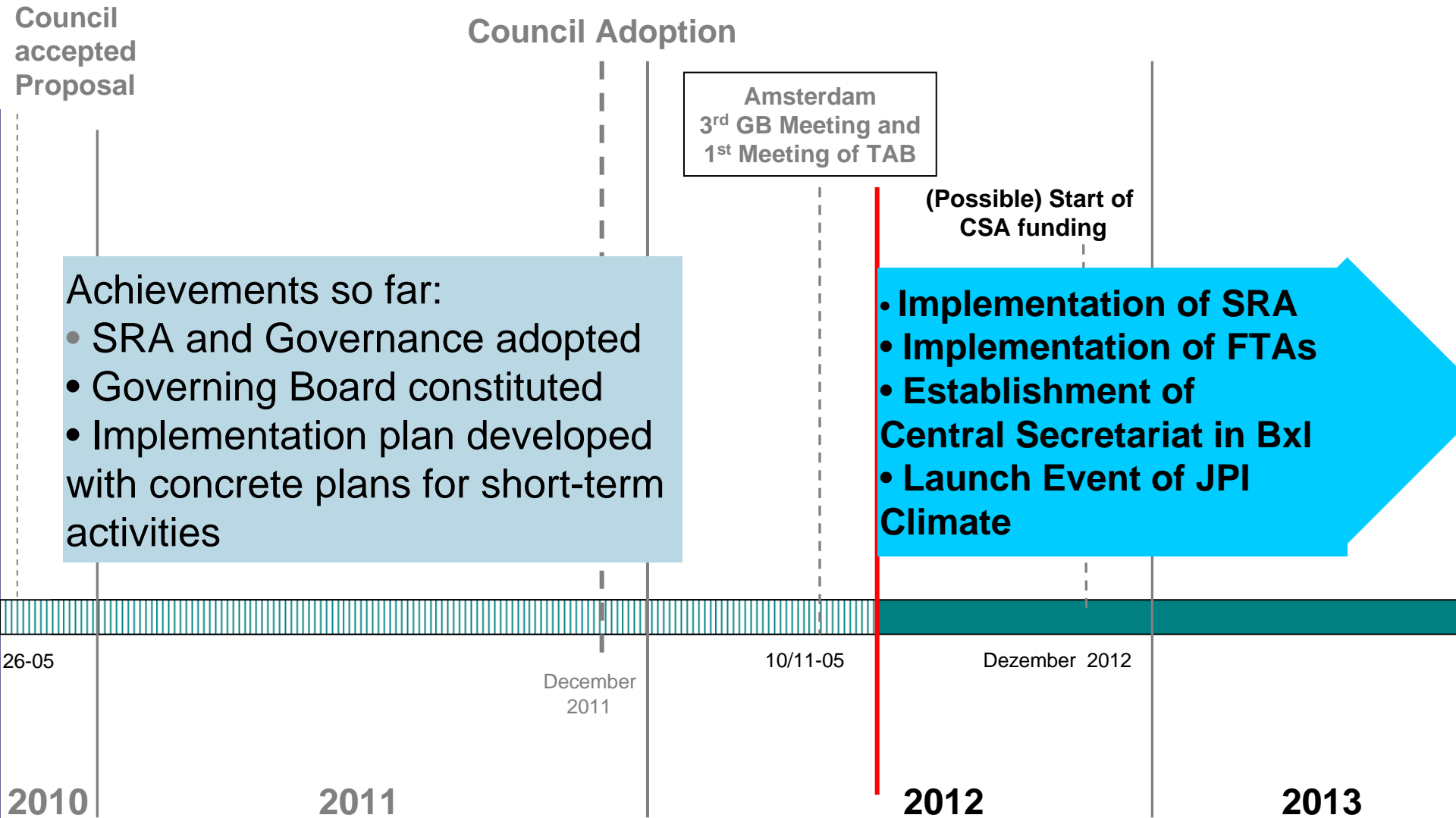
Stakeholder:

- Administration (5)
 - Business (2)
 - UN (1)
 - NGO (2)
- + 5 more representatives
from societal and business
sectors



**Integration of several sectors
(societal, natural, policy, and business)**

Timeline



The Vision

Climate Change is a complex reality, which affects European society at large. It alters the conditions under which our ambitions for sustainable economic development and the objectives of EU 2020 are to be realized.

Understanding and responding to climate change requires coordinated and large-scale European efforts in research and innovation.

Research, knowledge dissemination and innovation are crucial in helping to confront these challenges and generate new opportunities for sustainable development.

Therefore, the **JPI Climate**:

- Is of “**mainstreaming**” nature and issue driven by addressing societal needs in sectors such as energy, urbanisation, economic development etc. Only in the context of other societally relevant aspects it can and will deliver its full added value and problem-solving capacity.
- Pursues an **innovative and transdisciplinary** approach by combining **natural with social sciences** to deliver integrated climate knowledge and decision support services for sustainable, societal innovation

How to deliver?

- **SRA:** brings together social and natural sciences to understand key societal and political processes to deliver on sustainable solutions and answers to climate change.
- **Strategic platform:** the JPI Climate aligns and coordinates programmes, capacities and resources in climate change research in order to address societal challenges and deliver on them. So far, 90% of infrastructures, national research and programmes capacities of EU MS are represented in the JPI Climate.
- **FTAs and TAB:** the horizontal and “mainstreaming” nature of JPI Climate is reflected in the topics of the FTAs and the composition of the TAB.

Main Achievements:

1) Start of the Fast Track Activities: first joint activities which address the transdisciplinary and „mainstreaming“ character of the JPI Climate, since March 2012

2) Positive Evaluation of the CSA JPI Climate

3) Agreement on the first pilot joint call at the last Governing Board meeting, 11th May, Amsterdam



JPI Climate - Connecting Climate Knowledge for Europe

First Track Activities	AT	BE	DE	DK	FI	FR	IR	IT	NO	NL	SE	UK	observers
Decadal prediction including relevant observation, understanding, processes		X	X	X	X	X	X	X	X	X	X	X	Slovenia: X ECRA: X
Towards a European strategy for climate modelling: coordination and next generation of climate models		X	X		X	X	X	X	X		X	X	Slovenia: X
Changing cryosphere in the climate system - from observation to climate modelling		X		X	X	X		X	X		X		ECRA: X Nordforsk: X
Training in Earth's climate system science (NB: topic will be broadened to consider framing principles)					X	X		X	X	X			
Mapping user requirements: What do we know and what not?	X		X		X	X		X	X	X		X	EEA: X
Mapping Climate Services in Europe	X		X	X		X		X	X	X		X	EEA: X Slovenia: X
Bibliographic Review on Social Science Climate Change Research	X				X	X							
Scoping Social Science contributions to Climate Change Research relation with H2020/mainstr.	X		X		X	X			X	X	X		Circle2: X
Dedicated Science-Policy Laboratories			X	X		X	X	X	X	X		X	
Impact Model Inter-comparison ISI-MIP (including a follow up discussion on short term programme, working towards integrating impact community)			X			X		X	X	X		X	EEA: X
GHG verification			X		X	X	X		X		X	X	EEA: X

JPI Climate - Connecting Climate Knowledge for Europe

First Track Activities	AT	BE	DE	DK	FI	FR	IR	IT	NO	NL	SE	UK	observers
Decadal prediction including relevant observation, understanding, processes		X	X	X	X	X	X	X	X	X	X	X	Slovenia: X ECRA: X
Towards a European strategy for climate modelling: coordination and next generation of climate models		X	X		X	X	X	X	X		X	X	Slovenia: X
Changing cryosphere in the climate system - from observation to climate modelling		X		X	X	X		X	X				: X
Training in Earth's climate system science (NB: topic will be broadened to consider framing principles)													
Mapping user requirements: what not?												X	EEA: X
						X		X	X	X		X	EEA: X Slovenia: X
...	X				X	X							
Scaling Social Science contributions to Climate Change Research relation with H2020/mainstr.	X		X		X	X			X	X	X		Circle2: X
Dedicated Science-Policy Laboratories			X	X		X	X	X	X	X		X	
Impact Model Inter-comparison ISI-MIP (including a follow up discussion on short term programme, working towards integrating impact community)			X			X		X	X	X		X	EEA: X
GHG verification			X		X	X	X		X		X	X	EEA: X

Strong Commitment of all Members of JPI Climate

2) CSA – Coordination and Support Action

Proposal full title:

Joint Programming Initiative ‘Connecting Climate Knowledge for Europe’ Coordination and Support Action



- Positive evaluation with a total score of 13 points (from 15)!
- Recent start of negotiations with the EC
- Start foreseen: Autumn 2012
- Scope of the CSA: Shorten the time required to reach the implementation phase of JPI Climate and then allow the adoption of effective and efficient methods of collaboration

3) Agreement on the pilot Joint Call

JPI Climate credibility requires rapid joint actions!

Main Principles:

- Address the JPI Climate strategic priorities oriented towards societal challenges
- Leverage JPI Climate member's existing investments through European added value (3 countries at least per project)
- Common scoping, text call, portal, evaluation, selection procedures



Scoping workshop with scientific experts and program managers to identify priorities and draft a call text,
19th June, Paris

Main Challenges:

- 1) Involvement of small and less climate change research oriented countries**
- 2) Enhance the cross-cutting and issue driven character of JPI Climate**
- 3) Implementation of first joint calls**

1) Involvement of small countries and less R&D intensive countries

- Full potential of European Climate research needs to be tapped upon in order to be able to deliver to the societal challenge.
- In the times of financial crisis and diminishing national funding, small and less R&D intensive countries need special attention
- Possibilities for these countries to receive special funding out of Horizon 2020 and/or Structural funds need to be explored.

 How can the European Commission support these efforts?

2) Enhance issue and challenge driven character

- Stronger connections to sectoral JPIs (e.g. JPI Water, JPI Urban Europe, JPI FACCE)
- JPI Climate as facilitator:
 1. provides knowledge
 2. supports other JPIs
 3. connects different sectors
- Integration of recommendations of TAB

3) Implementation of joint Activities

The JPI Climate partners are committed to deliver the aims of the joint initiative by pooling resources to implement joint activities.

First pilot joint call as test bed for regular joint activities

Main Achievements:

- **Start of the CSA in 2012**
- **11 FTAs with high commitment**
- **Pilot Joint Call (in preparation)**

Main Challenges:

- **Attract new Members in particular small less R&D intensive countries of the EU**
- **Connection to Sectors**
- **Regular Joint Activities (joint calls, aligning research programmes etc.)**