

Joint Programming

Governance

HELSINKI: Going on-air!

JPI CLIMATE

Vision

Strategic Research Agenda

Connecting Climate Knowledge for Europe

Sebastian Helgenberger
BOKU University Vienna, AT

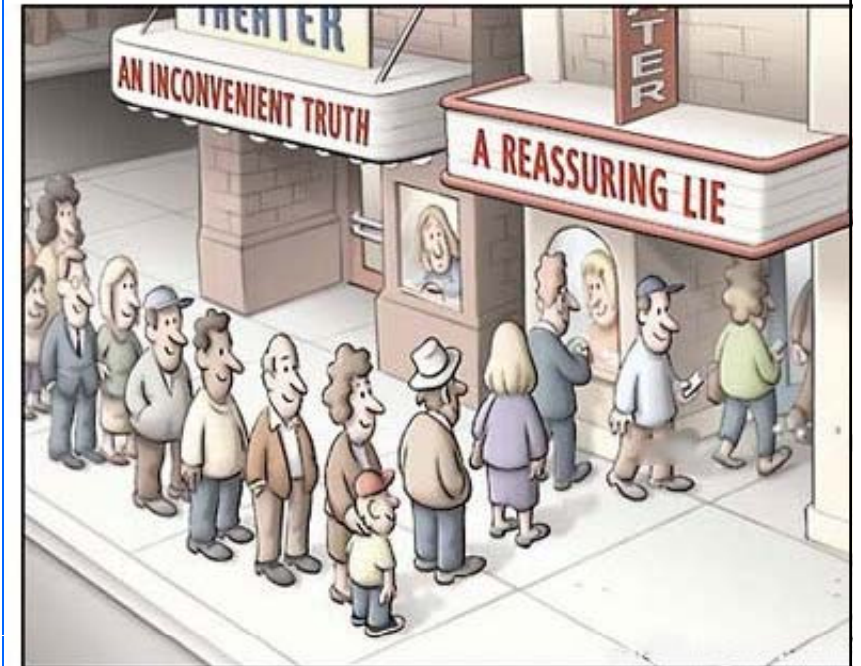
Kees van Deelen
Knowledge for Climate, NL

Rob Swart
Wageningen University, NL

Point of Departure and Motivation

Climate Research

- 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: 141,7 Mio EUR per year
- Predominantly natural-science based
- Weak link between knowledge production and application (science and decision-makers)



Scope and Vision of JPI CLIMATE

Scope and Vision of JPI CLIMATE

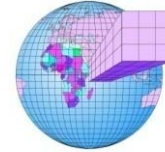
- Promotes joint action in order to tackle the grand societal challenges connected to climate change
 - Provide integrated climate knowledge and decision support services for societal innovation
 - Bridges knowledge production and knowledge application by connecting climate research with policy and decision-making contexts
 - Closes critical knowledge gaps by combining and connecting scientific approaches
 - Complements and increases the value of relevant national and EU R&D funding
- *By connecting science and decision making processes, JPI Climate will help to meet the challenge of making European development both climate friendly and climate proof*

Collaboration increases quality and cost effectiveness

Enhanced societal relevance



Higher scientific quality



Long-term continuity



Greater cost-effectiveness

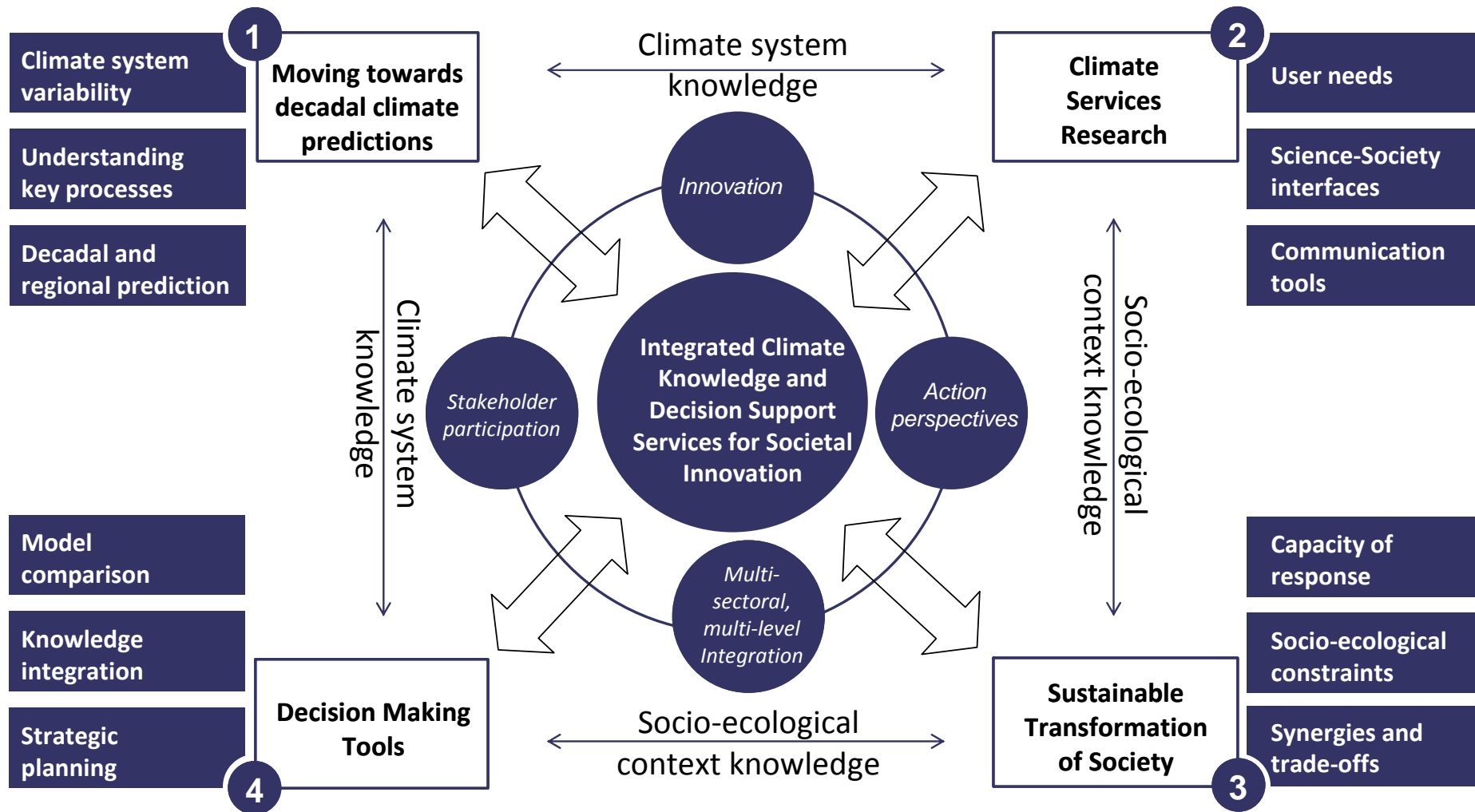


Stronger global position



Strategic Research Agenda of JPI CLIMATE

4 Modules strongly connected through integrated policy questions



Enhancing connectivity

Society: connecting scientific insights with the demands of policy makers, decision-makers and other stakeholders

Disciplines: connecting different disciplinary approaches in natural and social sciences,

Science: connecting top researchers and research groups from different European countries



Timeline and History

Timeline and History

Countries

- 15 involved (12 member countries, 3 observing status)
- JPI CLIMATE is covering 87,9% of the involved partners in FP7 climate research projects
- so far Interim Management Committee (Austria, Finland, France, Germany, Italy, the Netherlands)



Involved Experts



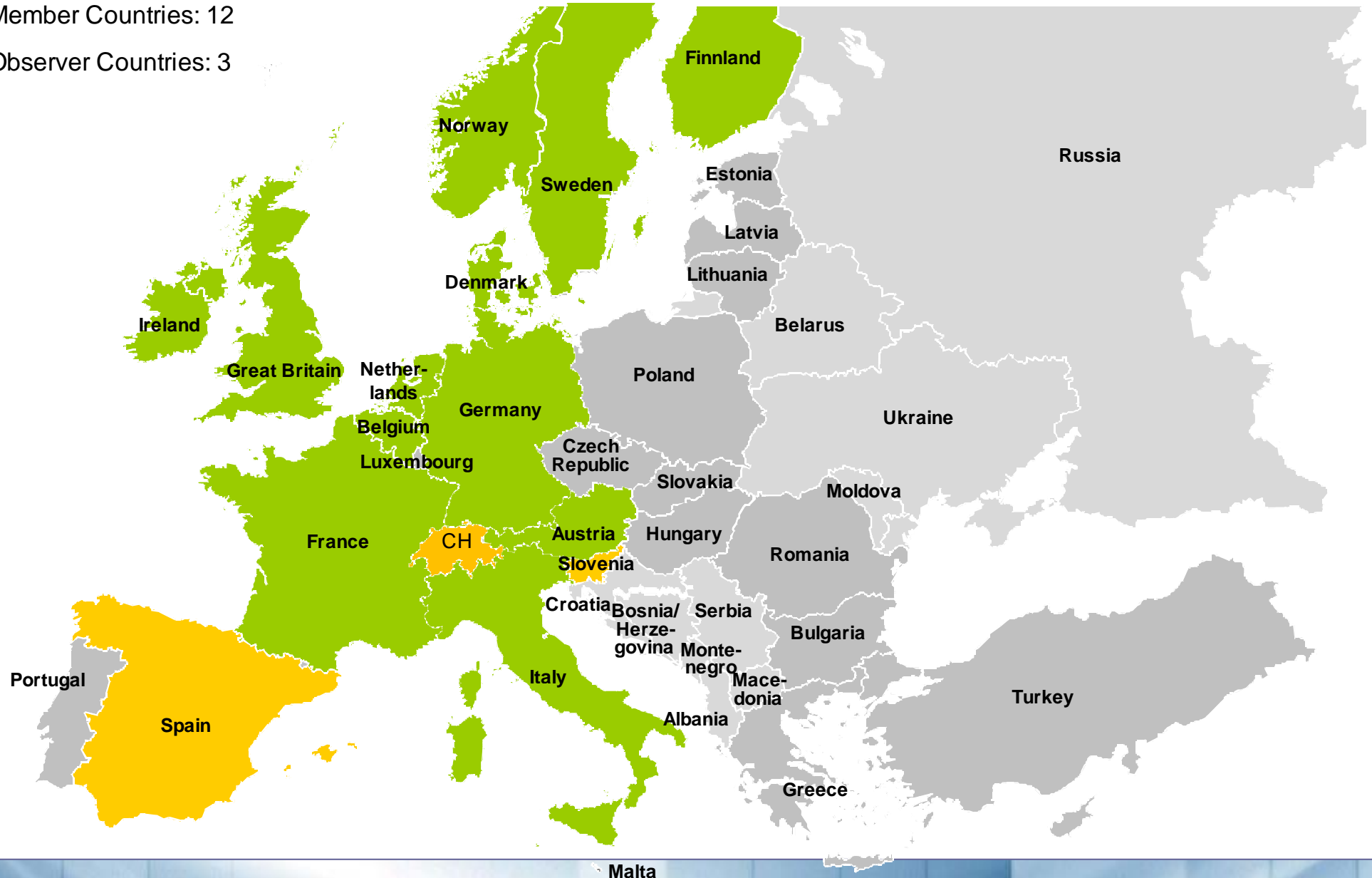
- More than 60 experts (science-based, stakeholders)
- Expert workshops and bilateral exchanges

Main Focus 2010/2011

- Development of a Vision and the Strategic Research Agenda
- Development of a Governance Scheme

JPI CLIMATE Countries

- Member Countries: 12
- Observer Countries: 3



Timeline and History

Countries

- 15 involved (12 member countries, 3 observing status)
- JPI CLIMATE is covering 87,9% of the involved partners in FP7 climate research projects
- Interim Management Committee (Austria, Finland, France, Germany, Italy, the Netherlands)



Involved Experts

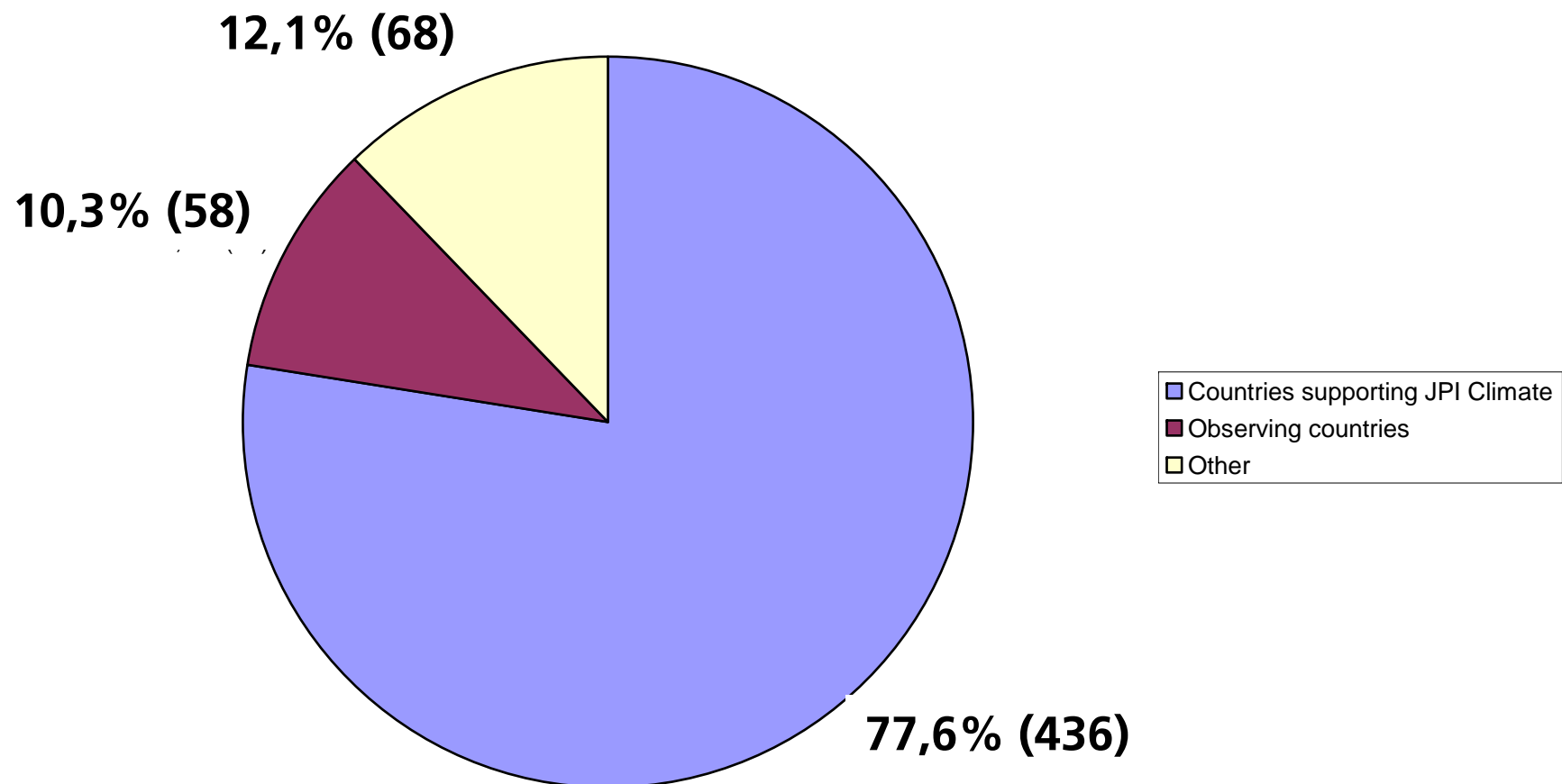


- More than 60 experts (science-based, stakeholders)
- Expert workshops and bilateral exchanges

Main Focus 2010/2011

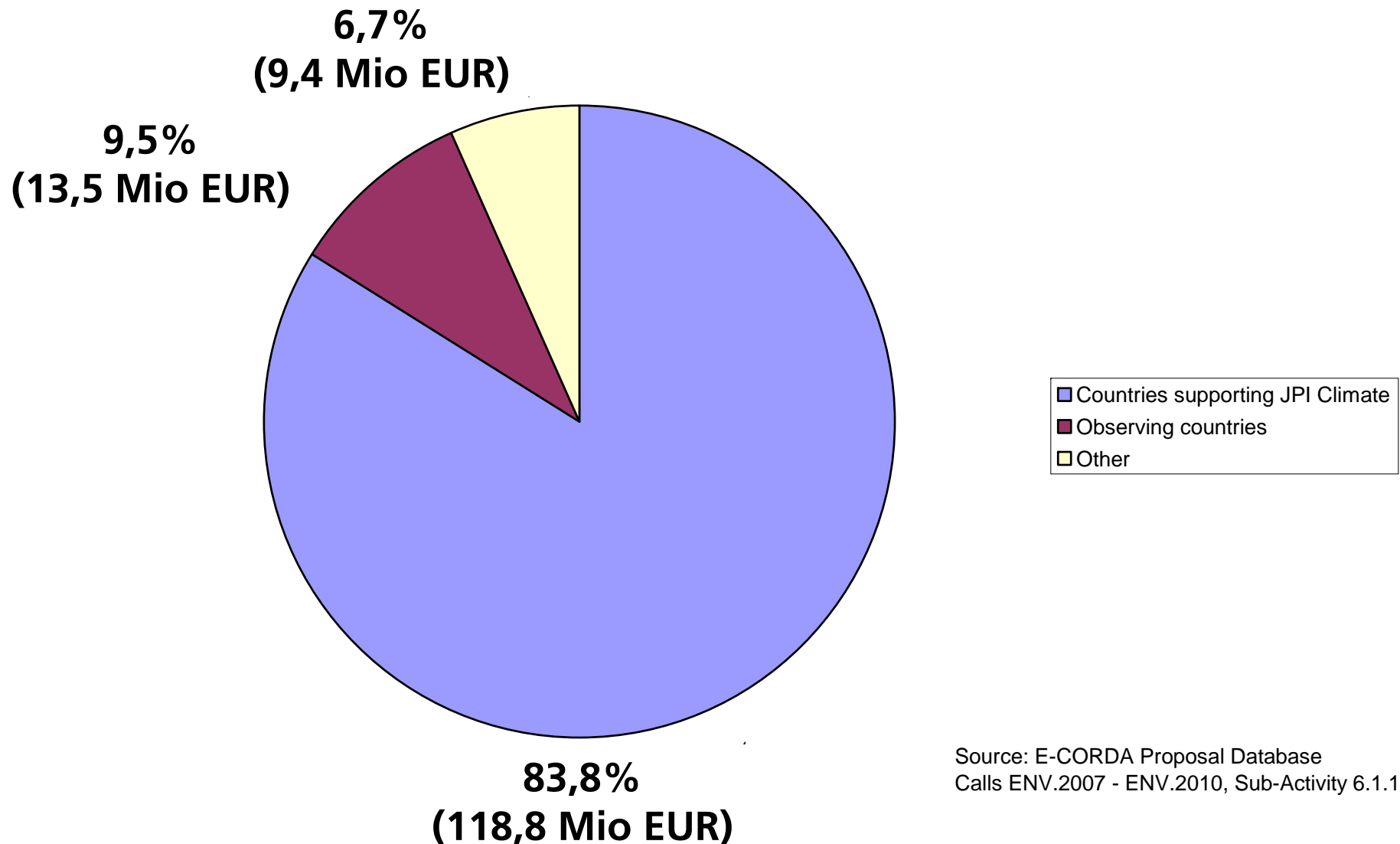
- Development of a Vision and the Strategic Research Agenda
- Development of a Governance Scheme

Number of partners in FP7 Climate Research Projects (2007-2010)



Source: E-CORDA Proposal Database
Calls ENV.2007 - ENV.2010, Sub-Activity 6.1.1

EC Contribution for FP7 Climate Research Projects (2007-2010)



Timeline and History

Countries

- 15 involved (12 member countries, 3 observing status)
- JPI CLIMATE is covering 87,9% of the involved partners in FP7 climate research projects
- Interim Management Committee (Austria, Finland, France, Germany, Italy, the Netherlands)



Involved Experts

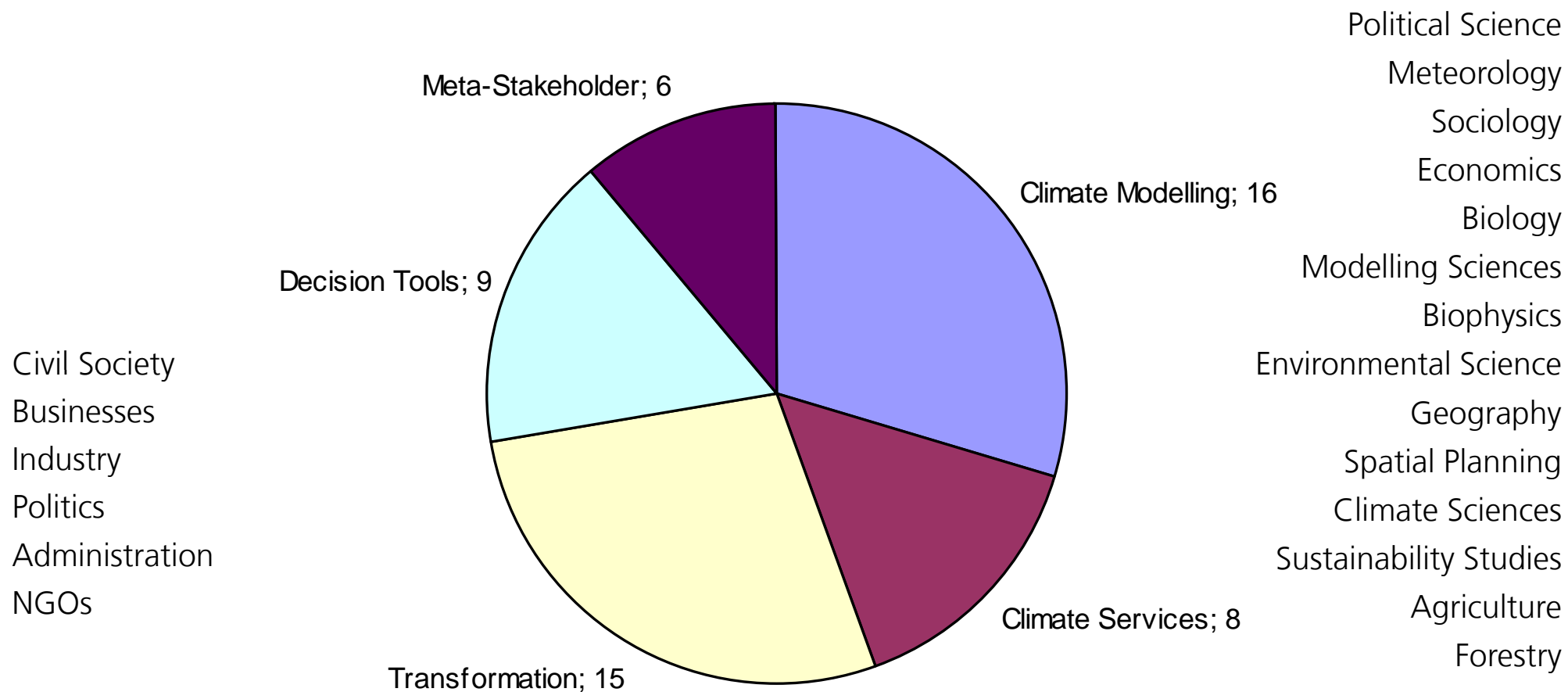


- More than 60 experts (science-based, stakeholders)
- Expert workshops and bilateral exchanges

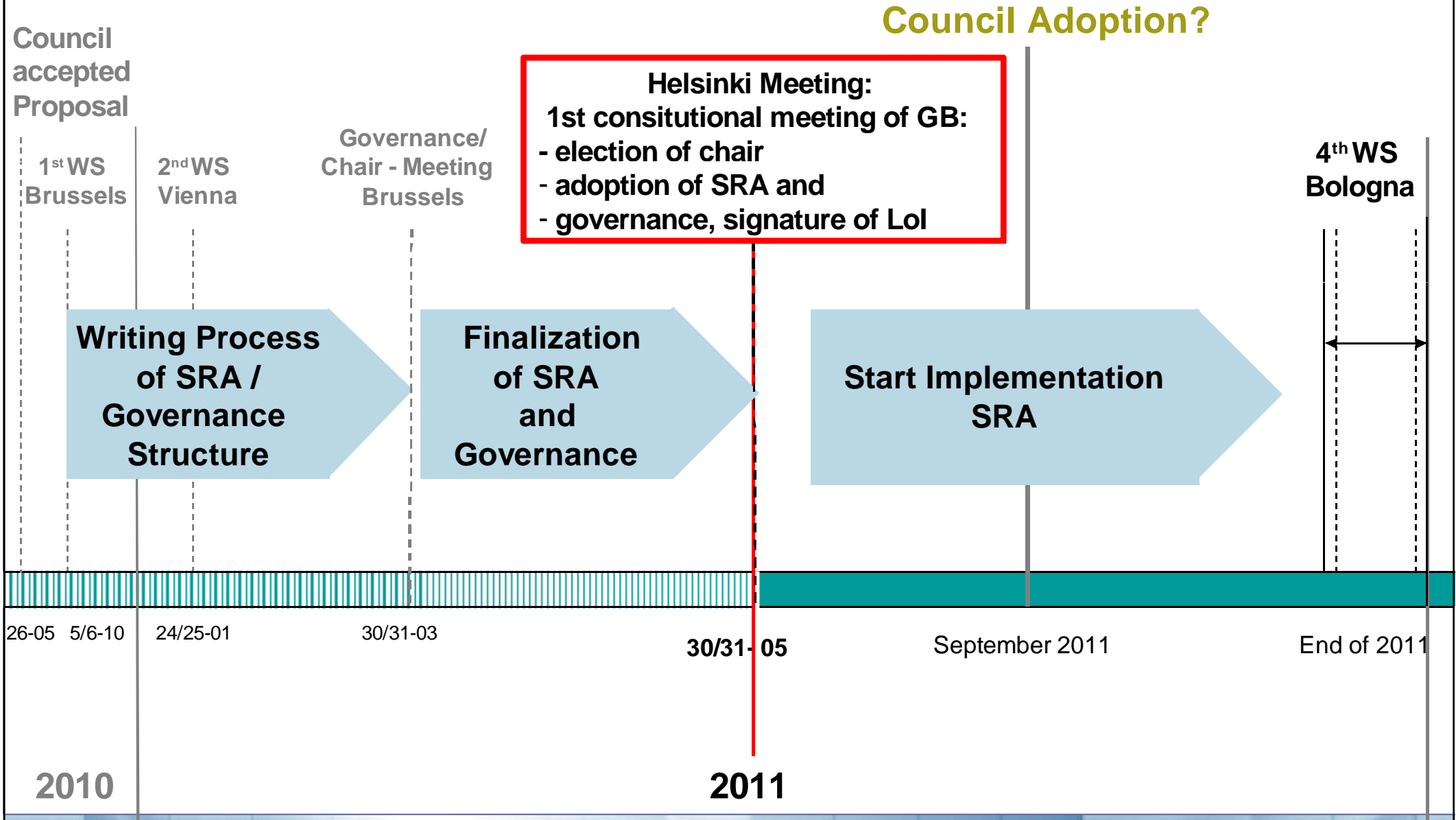
Main Focus 2010/2011

- Development of a Vision and the Strategic Research Agenda
- Development of a Governance Scheme

Involved Experts in JPI CLIMATE



Timeline and History



Timeline and History

Countries

- 15 involved (12 member countries, 3 observing status)
- JPI CLIMATE is covering 87,9% of the involved partners in FP7 climate research projects
- Interim Management Committee (Austria, Finland, France, Germany, Italy, the Netherlands)



Involved Experts



- More than 60 experts (science-based, stakeholders)
- Expert workshops and bilateral exchanges

Main Focus 2010/2011

- Development of a Vision and the Strategic Research Agenda
- Development of a Governance Scheme

Strategic Research Agenda of JPI CLIMATE

overall rationale

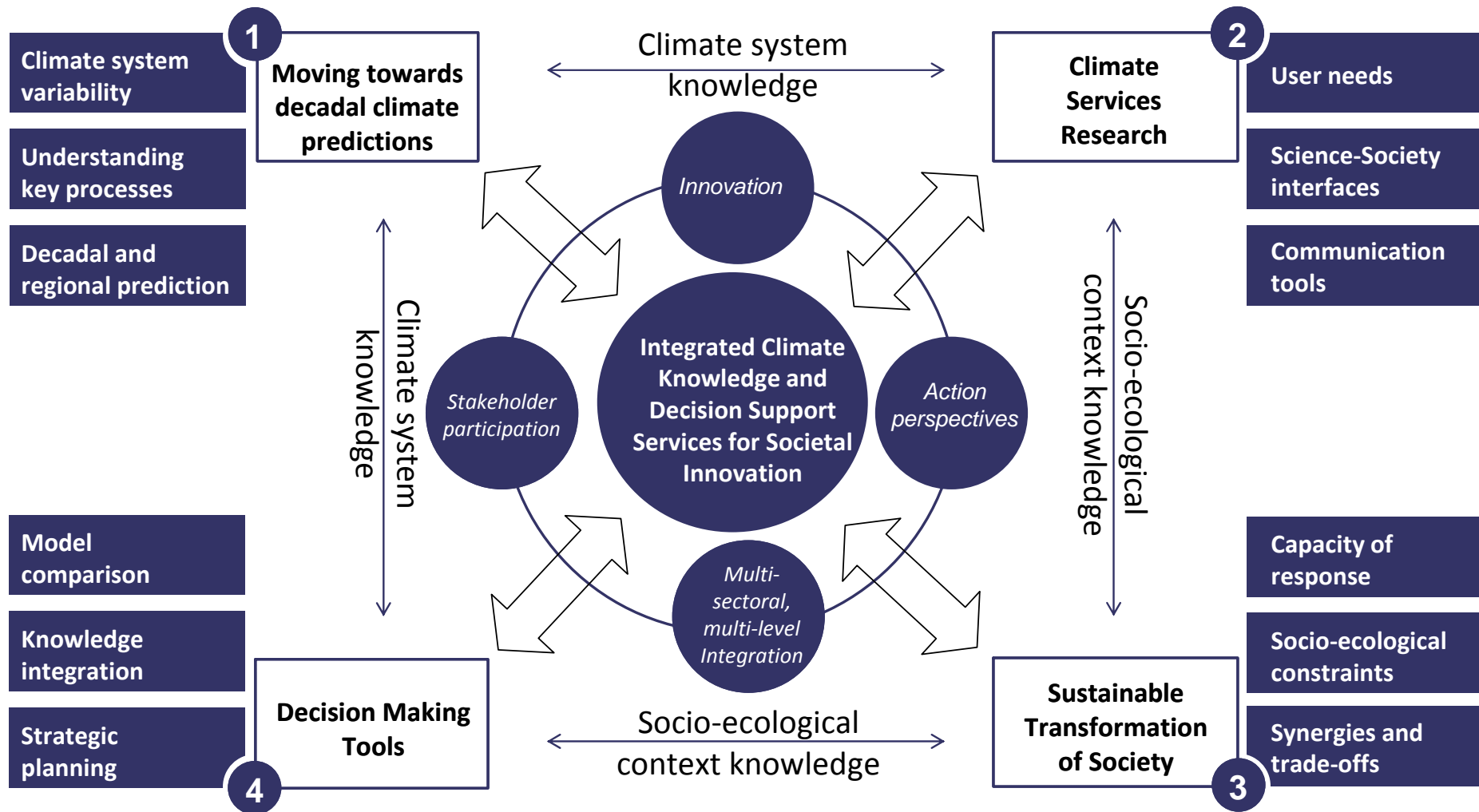
Strategic Research Agenda of JPI CLIMATE

overall rationale

- Promotes joint research across natural and social sciences within in the realm of climate change and links it to sustainable transformations of society
- Links climate change research to societal contexts of decision-making on mitigation + adaptation and mainstreaming climate into non-climate policies and planning
- Increases the resolution of the physical basis of climate science and connects scales: from global to local and from centuries to seasons
- Supports the preparation and provision of services to support of concrete decision making questions

Strategic Research Agenda of JPI CLIMATE

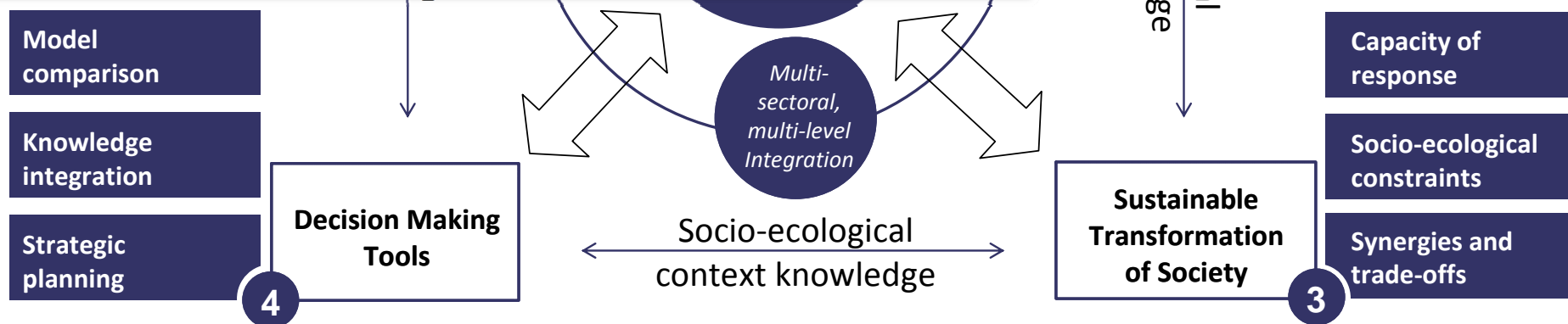
4 Modules strongly connected through integrated policy questions



Strategic Research Agenda of JPI CLIMATE

Module 1: Moving towards decadal Climate Prediction

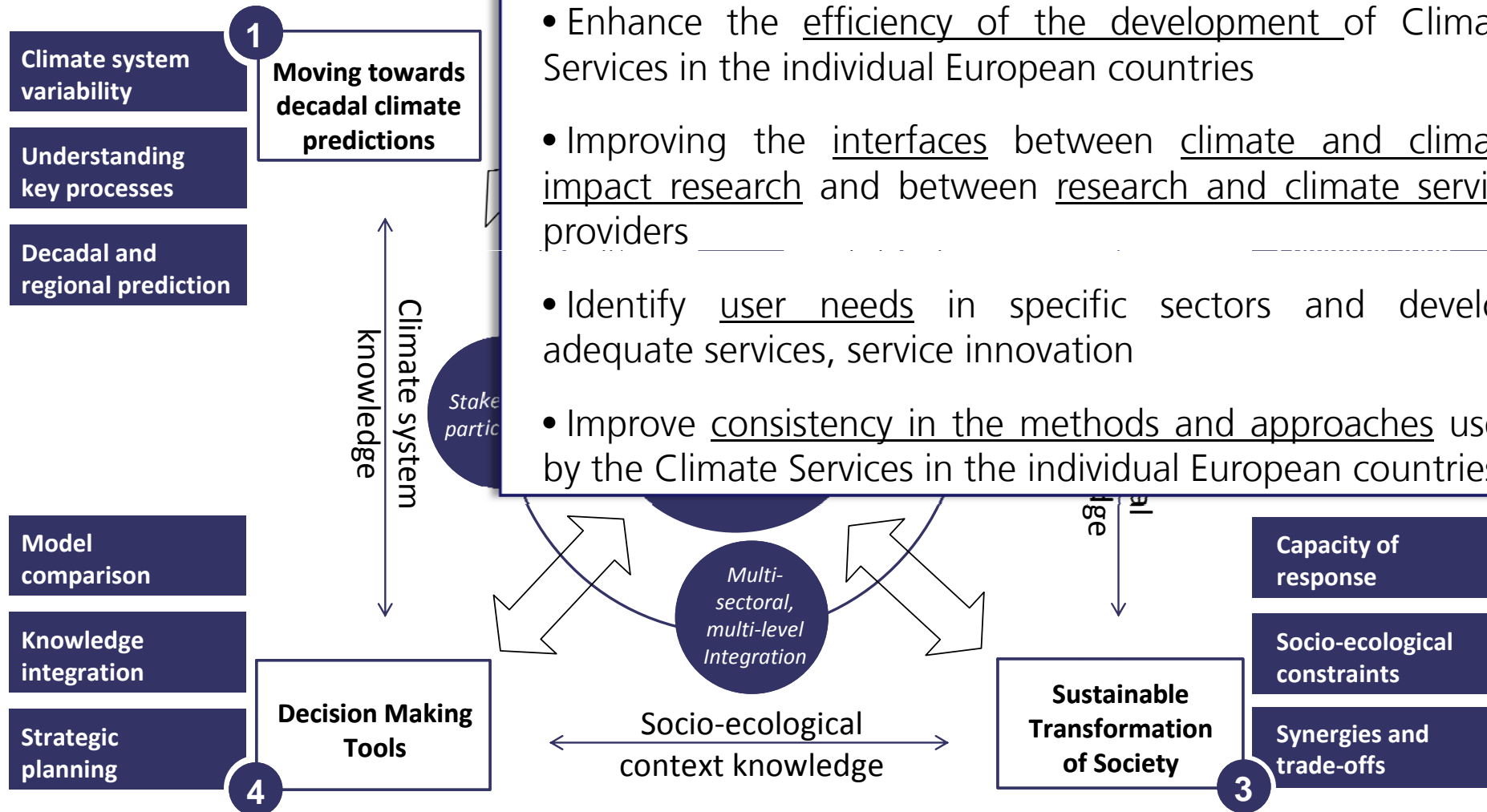
- Investigate climate predictability on seasonal to decadal time scales
- Provide reliable climate information for the next few decades and up to the centennial scale
- Improve the observation, understanding and modelling of key processes and mechanisms
- Promote and develop a European collaboration environment for climate modelling and long-term monitoring and analysis of the earth system.



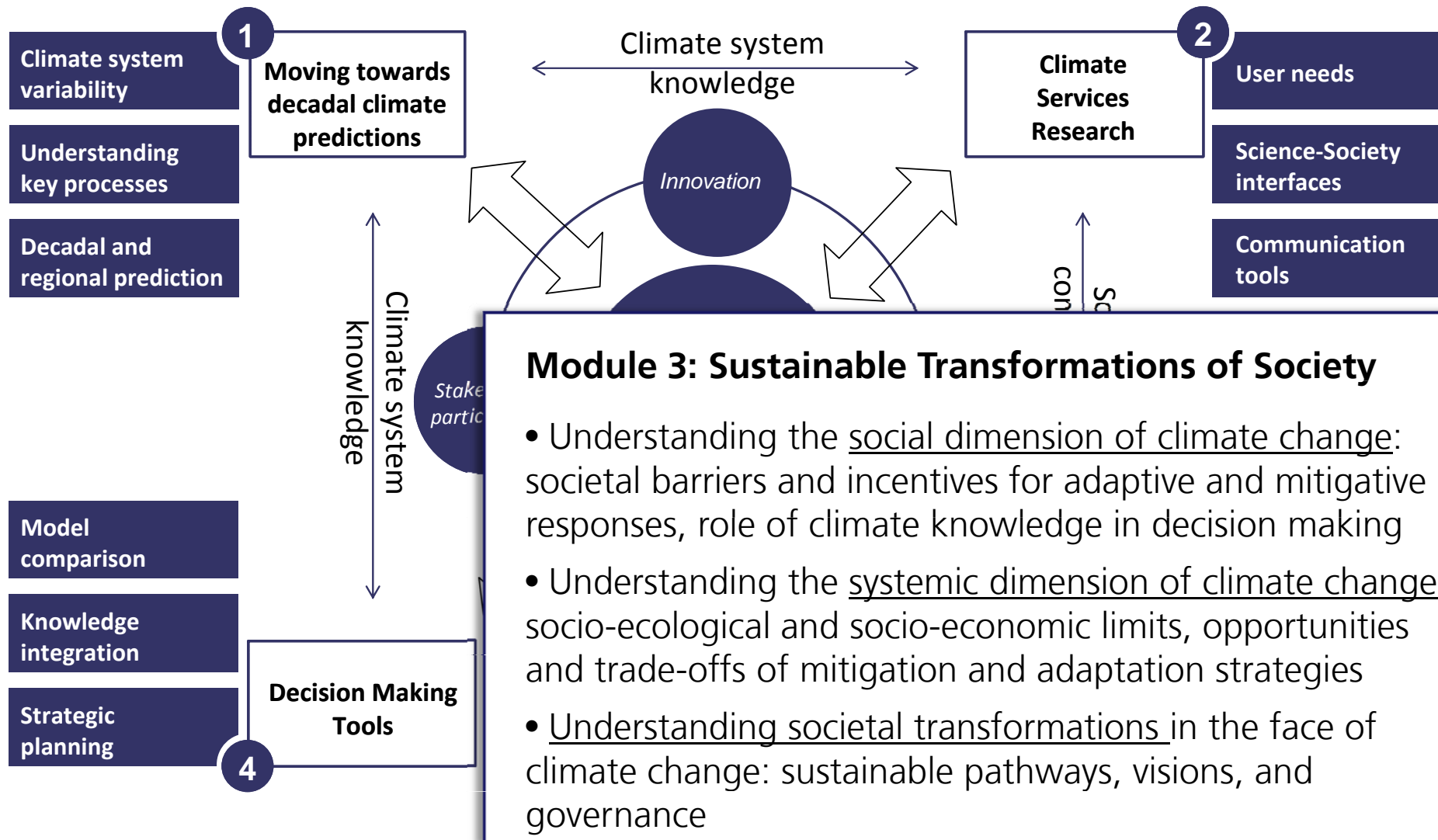
Strategic Research Agenda of JPI CLIMATE

Module 2: Research on Climate Services

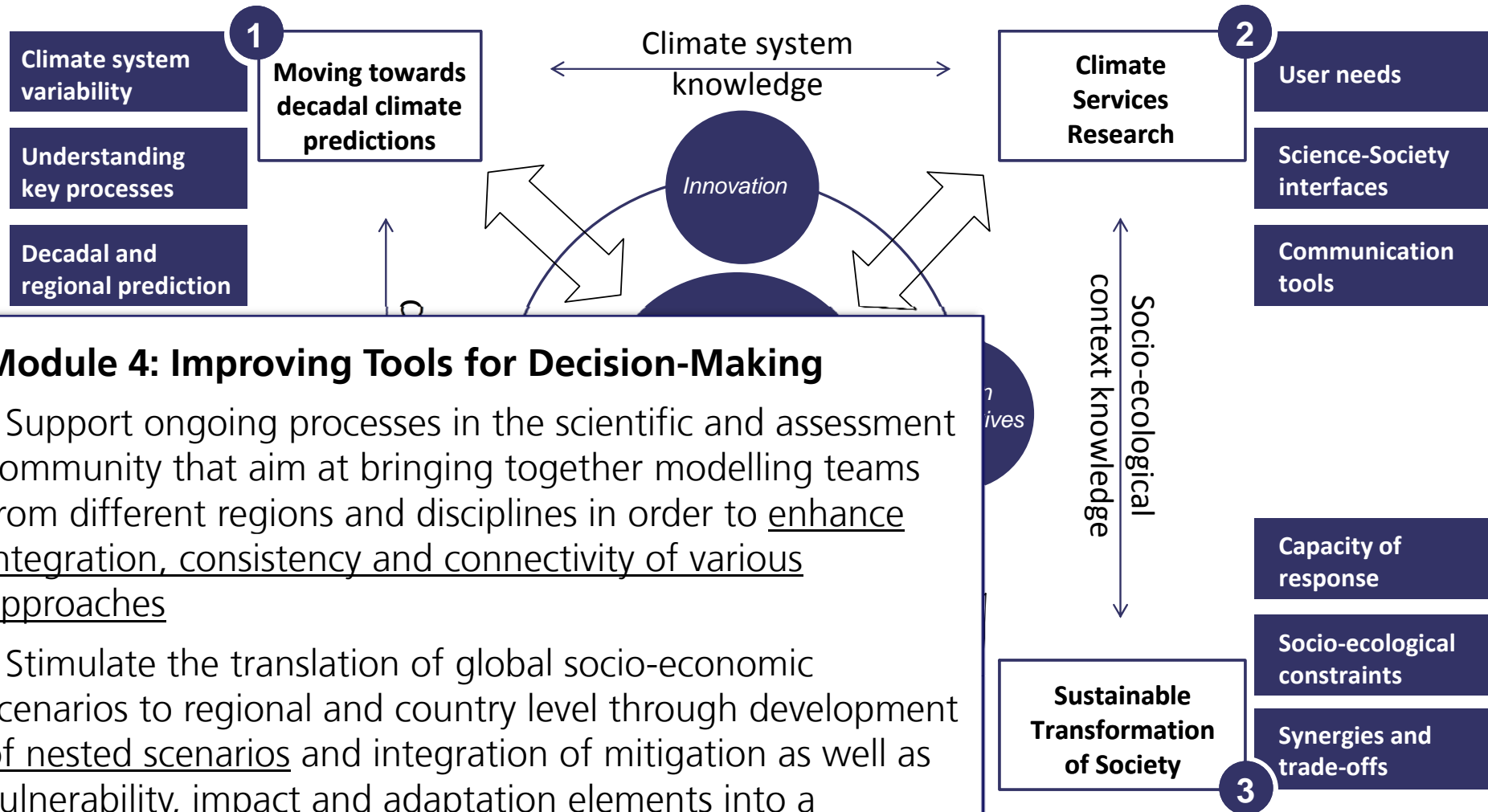
- Enhance the efficiency of the development of Climate Services in the individual European countries
- Improving the interfaces between climate and climate impact research and between research and climate service providers
- Identify user needs in specific sectors and develop adequate services, service innovation
- Improve consistency in the methods and approaches used by the Climate Services in the individual European countries



Strategic Research Agenda of JPI CLIMATE



Strategic Research Agenda of JPI CLIMATE

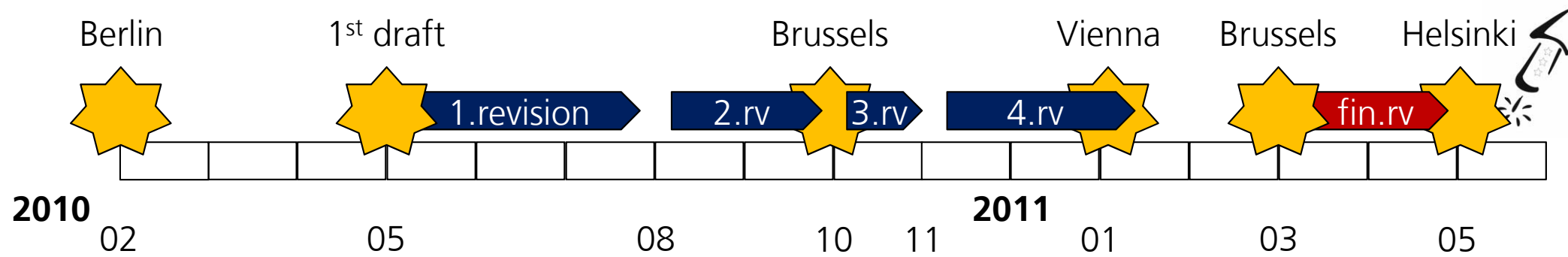


JPI CLIMATE

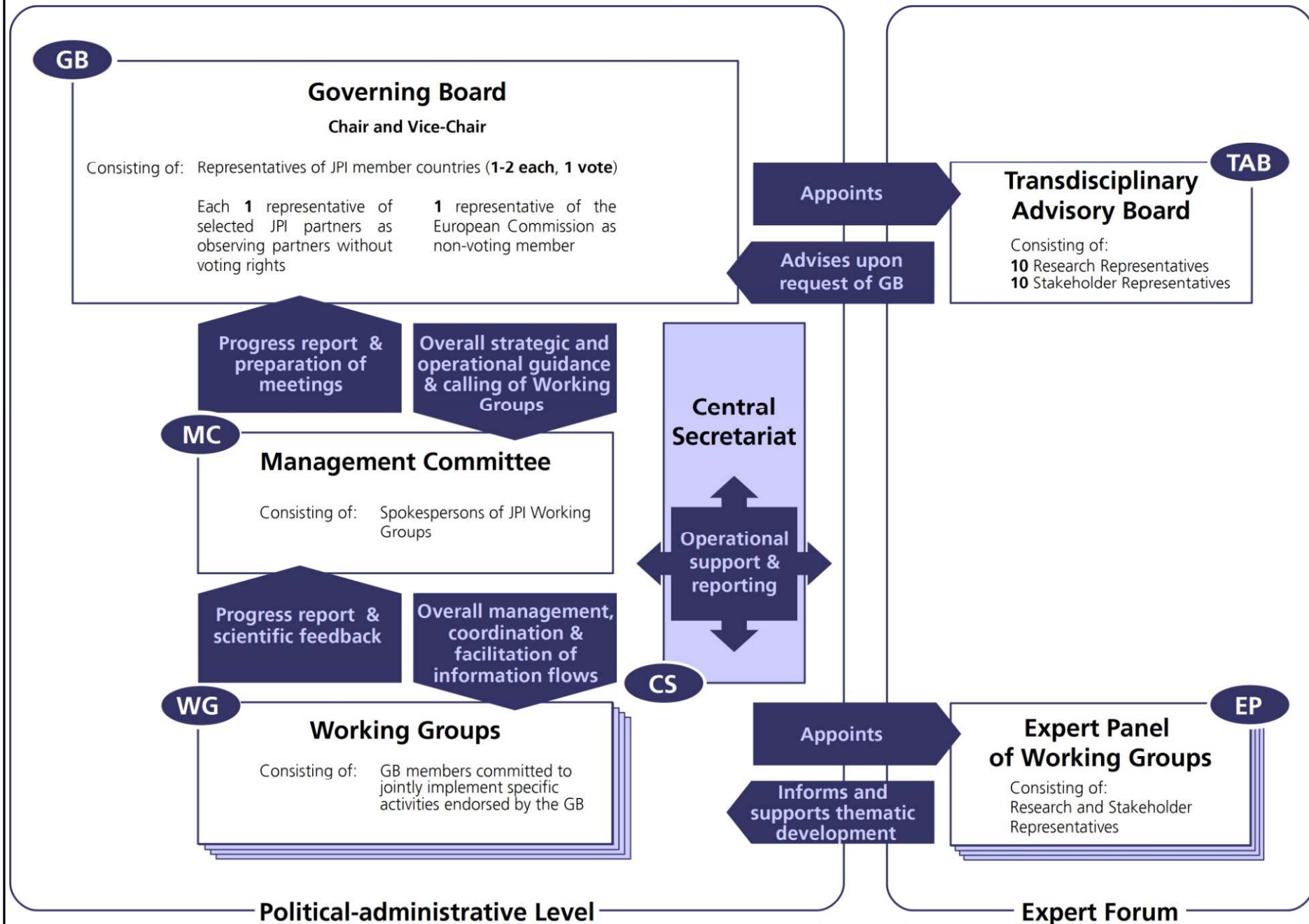
G
O
V
E
R
N
A
N
C
E

PROCESS

Drawing on experiences in JPI FACCE – Food Security, Agriculture & Climate Change (1st wave)



Connecting Climate Knowledge for Europe



G
O
V
E
R
N
A
N
C
E

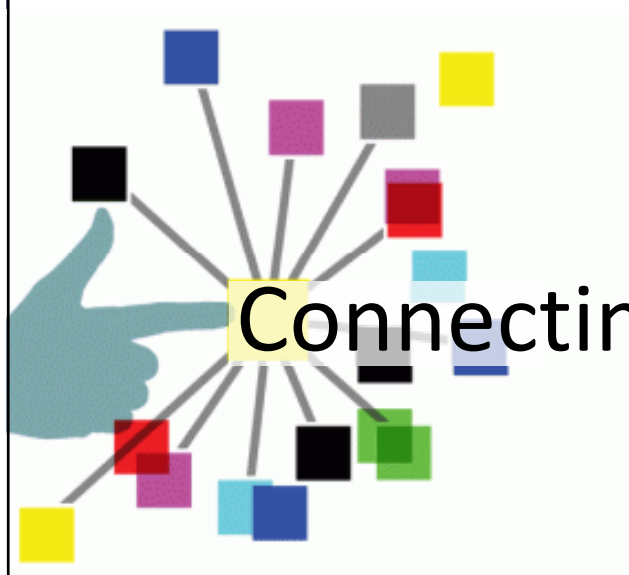
Sustainability

Stakeholder-Orientation

Adaptability

Transparency

Cost-Efficiency



Connecting Climate Knowledge for Europe

Image source: Watershed media center

JPI CLIMATE

Going on-air!

www.jpi-climate.eu

[Home](#) | [Contact](#) | [Sitemap](#) | [Privacy](#) | [Imprint](#) | [Search](#)

JPI-Climate



[Research Agenda](#)

[Partners](#)

[Governance](#)

[Documents](#)

[Links](#)

Enter a search term

23.05.2011

Joint Programming Initiative "Climate"

Europe aspires to be the most competitive and dynamic knowledge-based economy in the world, capable of sustainable economic growth with more and better jobs and greater social cohesion.

Climate change alters the conditions under which these ambitions are realized. This generates new challenges, including the need to transform energy systems away from a dependence on fossil fuels and the need to protect European citizens, business and nature from climate risks. Targeted and coordinated knowledge development and innovation can help confront these challenges and generate new opportunities for sustainable development.

Climate change is a complex reality, which affects the European society at large. Understanding and responding to climate change requires coordinated and large-scale European efforts, in research, innovation and in governance.

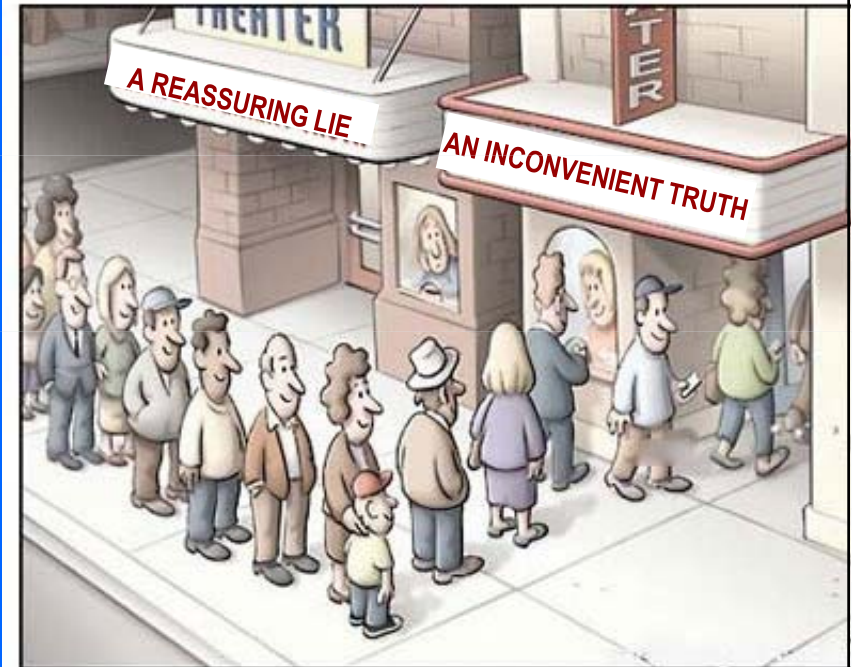
The JPI Climate provides the platform where these objectives can be met.

The platform is an intrinsic part of the JPI Climate, where national research priorities according to the jointly agreed research activities (laid down in the Strategic Research Agenda, SRA) are aligned and where joint positions towards other initiatives (ERANETs, ESFRI Projects, FP8) are agreed upon.

As such, the JPI Climate facilitates the coordination, collaboration and exploitation of synergies while working against fragmentation and duplication of efforts. It aims to respond to the needs of policy makers and the European society at large for knowledge-based information and services to address climate change.

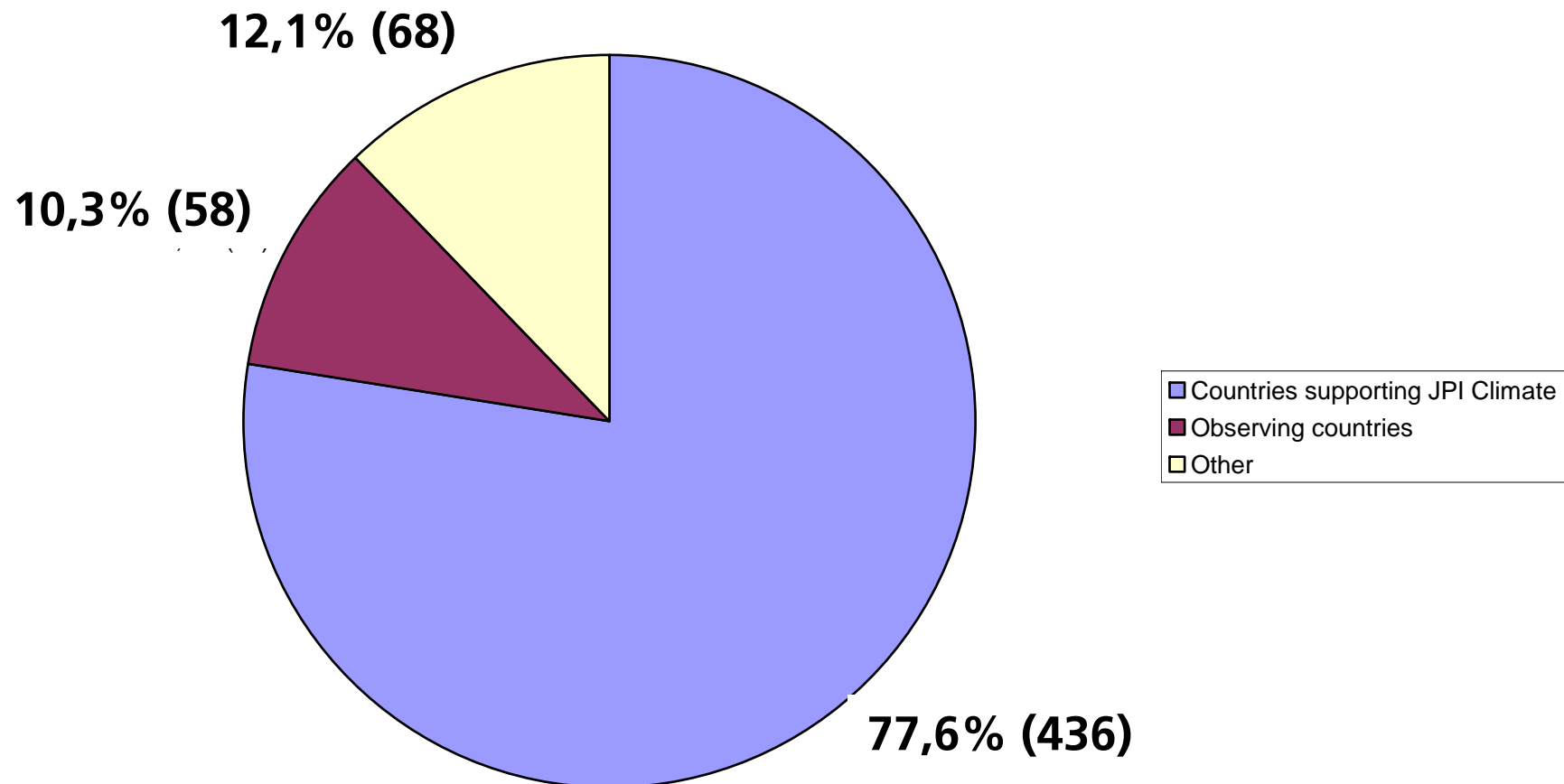
The JPI Climate is built on four modules: decadal predictions, climate services, societal transformation, and decision-support tools. It is innovative in its interdisciplinary approach in connecting natural- with socio-economic sciences and it is guided, coordinated and managed through a flexible collaborative governance mechanism.

[↑ top](#)



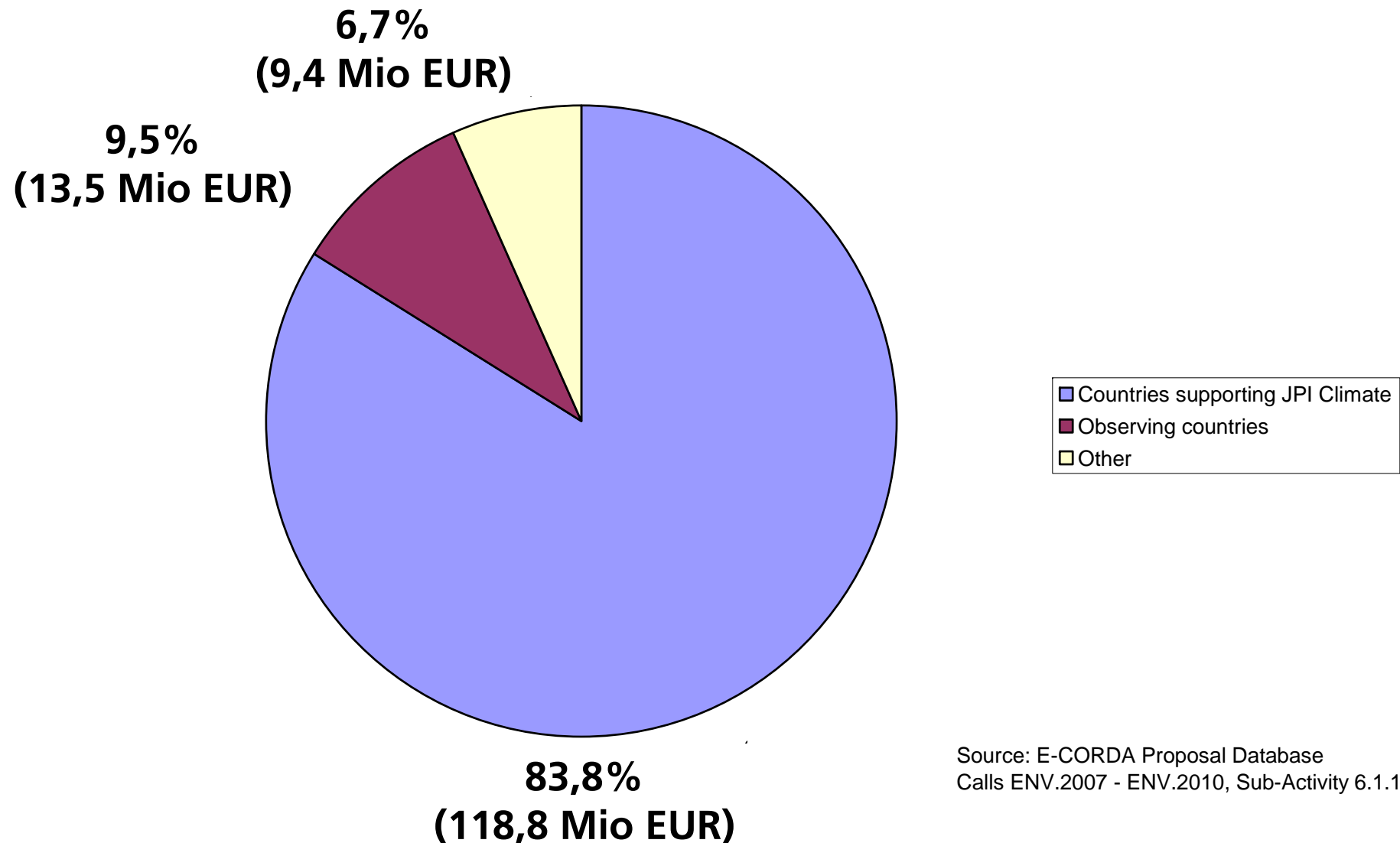
to be launched in June

Number of partners in FP7 Climate Research Projects (2007-2010)



Source: E-CORDA Proposal Database
Calls ENV.2007 - ENV.2010, Sub-Activity 6.1.1

EC Contribution for FP7 Climate Research Projects (2007-2010)



Source: E-CORDA Proposal Database
Calls ENV.2007 - ENV.2010, Sub-Activity 6.1.1

Involved Experts in JPI CLIMATE

