



# JPI Climate Strategic Research Agenda Update

## Presentation of the draft updated SRA

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# Introduction to the draft updated SRA

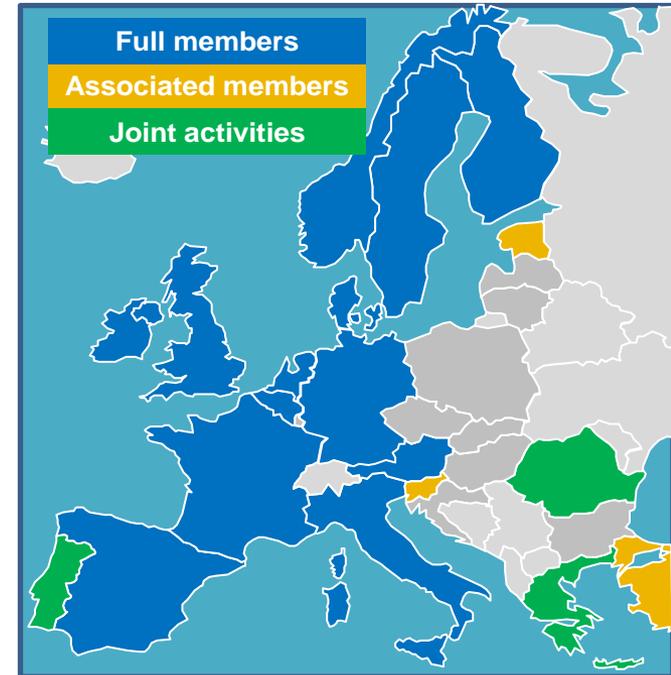
- **A more visionary document**
  - To inspire the scientific community/more members to join
- **A shorter and more strategic document**
  - To keep the document more focused, with a longer perspective and leave implementation out
- **Still a part of an open process**
  - To be discussed in Madrid and via open public consultation early 2016
- **A shift in focus from disciplinary research modules to a transdisciplinary/challenge driven approach**
  - To keep focus on WHY we are doing this.
  - The HOW should be in the implementation plan

# Introduction to the draft updated SRA

- **A clearer vision for the added value and continuing development of the JPI**
  - For the JPI Community, but also from the outside/the other JPI's
- **A broad understanding of Climate change research**
  - That goes beyond climate science
- **A user oriented approach, acknowledging that stakeholders needs to be involved from the start**
  - Avoid 'truth speaks to power'
  - More focus on which stakeholders we are targeting

# Proposed vision and mission

The **overall vision** of JPI Climate is to be a shared research programme which actively informs and enables European transition to a low emission climate resilient economy, society and environment that is aligned with its long term climate policy objectives.



# Proposed vision and mission



- It's **Mission** is therefore to establish effective systems and structures that support transnational research based on shared challenges and objectives which
  - Informs effective actions by decision makers in government, business and institutions
  - Is responsive to their needs for information and analysis
  - Connects to other research programmes and initiatives in this area
  - Evolves based on enhanced scientific understanding and technological developments
  - Is fundamental to European leadership in providing solutions and contributes to a competitive dynamic knowledge-based economy and society.

# The Added Value of JPI Climate



## 1. Enhanced societal relevance

Multi-, inter-, and trans-disciplinary research with a focus on users

## 2. Higher scientific quality

Through collaboration across disciplines and traditions

## 3. Long-term continuity

That goes beyond short-term research programmes

## 4. Higher effectiveness

Avoids fragmentation and duplication of research. Sharing of data and methods.

## 5. Stronger global position

Strengthen Europe's role in international climate policy development.

# Proposed four research areas



- 1. Connecting disciplines and approaches in the understanding of relevant processes and impacts of climate change**
- 2. Connecting climate change research to decision-making needs**
- 3. Connecting climate change research, societal transformation and pathways to the wider realm of sustainable development goals**
- 4. Connecting people, problems and solutions in a systemic approach**

# 1. Connecting disciplines and approaches in the understanding of relevant processes and impacts of climate change

- Aims:
  - To enhance the quality and relevance of the knowledge generated on the climate system, including its processes, impacts and variability.
- Activities:
  - Mainly science-driven, user informed, endeavours of single-, multi- or inter-disciplinary character as adequate.
- JPI Role:
  - Flagship initiatives, community building, shared infrastructure, identifying best practice. Focus on areas where JPI Climate can add value.

## 2. Connecting climate change research to decision-making needs

- Aims:
  - To help society to mitigate and cope with current and future climate variability through better informing decisions for short term and incremental steps.
- Activities:
  - Research on the decision-making processes and the role of scientific climate knowledge, as well as of the barriers and enablers. Activities will draw on the knowledge gathered within JPI Climate and also include research on climate services.
- JPI Role:
  - Bridging disciplines and perspectives. Especially mobilising both the climate science community as well as the social and economic sciences and the humanities

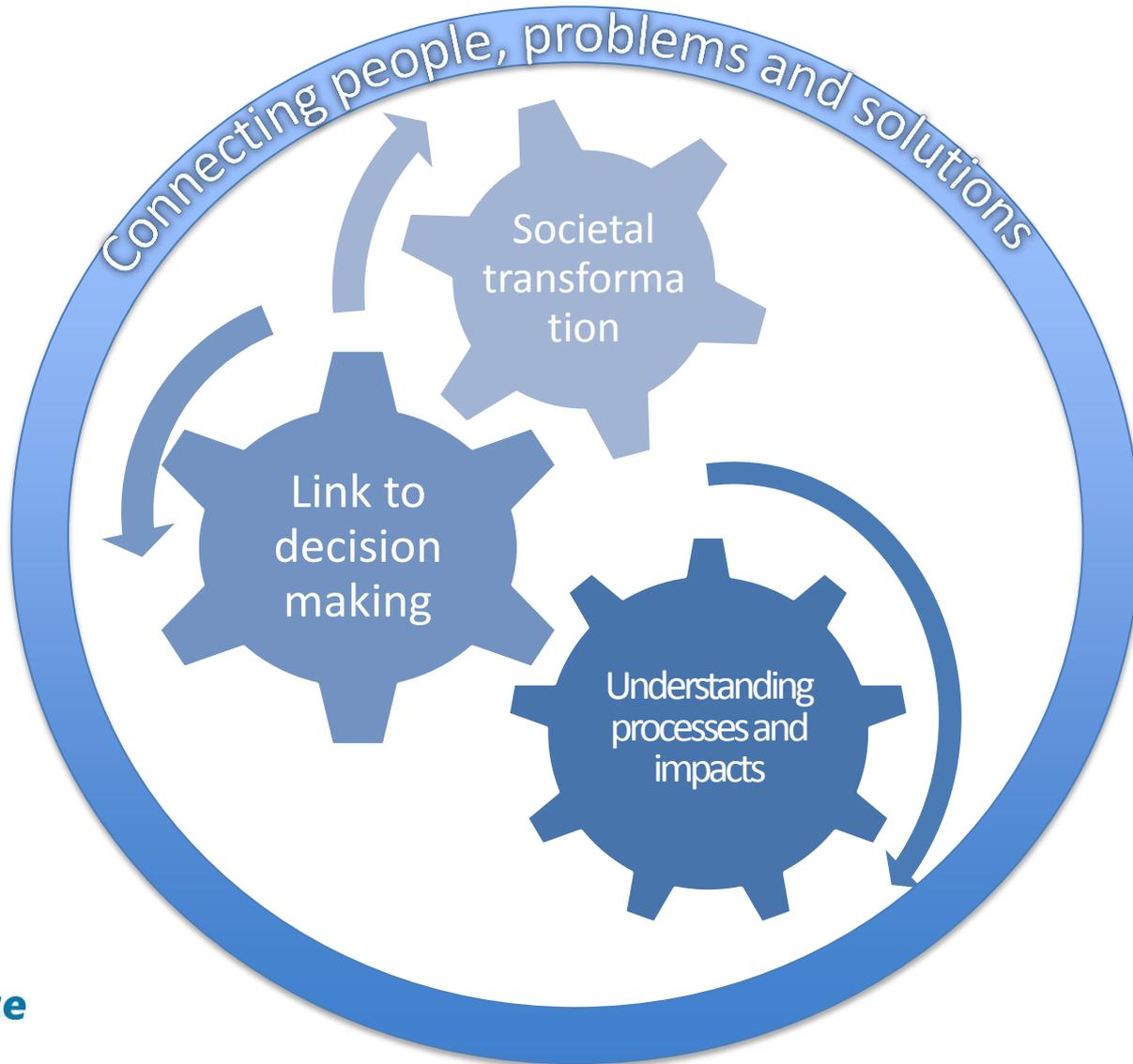
### 3. Connecting climate change research, societal transformation and pathways to the wider realm of sustainable development goals

- Aims:
  - To provide the knowledge and guidance needed by the society in order to respond effectively to the long-term challenges of climate change.
- Activities:
  - Exploring, assessing and evaluating innovative solutions for climate change mitigation and adaptation in the context of integrated pathways to a sustainable Europe as well as research on transformation itself. Will draw upon the results of the JPI Scoping process ‘Societal transformation in the face of Climate Change’
- JPI Role:
  - To foster processes and encourage research that goes beyond disciplinary and look for innovative research

## 4. Connecting people, problems and solutions in a systemic approach

- Aims:
  - To move climate change science forward in all fields, by enhancing connectivity between currently fragmented or disparate realms of climate change research
- Activities:
  - Facilitate increased interaction and connection of researchers. Facilitate connections between programmes and strategies within Europe and beyond. Understanding the underlying structures, barriers and enablers in the European climate change research system
- JPI Role:
  - An enabler of connections between different parts of the research community on the European level and beyond.

# Proposed SRA



# Success Criteria - 1



- Membership
- Visibility of JPI Climate
- Visibility of projects funded by JPI Climate
- Perception that JPI Climate is as important as other initiatives (e.g., H2020)
- Increased alignment of national climate research (funders & performers)
- Perception of JPI Climate as a facilitator, enabler of knowledge integration and connection between different scientific and non-scientific actors

# Success Criteria - 2



- Output from JPI Climate-funded research is used in decision making
- European science is a leader in the transition to a climate-friendly, climate-resilient Europe
- New boundary organisations stimulated by JPI Climate
- Degree of inter- and transdisciplinarity of projects funded by JPI Climate
- Continued existence of JPI Climate
- Publications produced and degrees granted as a result of research funded by JPI Climate

# Proposed roadmap SRA - Next steps

- **November 17-19th, 2015:** *Discussion of the third draft at Governing Board meeting/Stock-taking symposium*
- **December 2015-January 2016:** *Preparation of the fourth draft for open public consultation*
- **January – March 2016:** *Open public consultation*
- **May 2016:** *Fifth draft to be presented at the 11th Governing Board meeting in Vienna*