

# JPI Climate **Provisional** Strategy 2018-2020

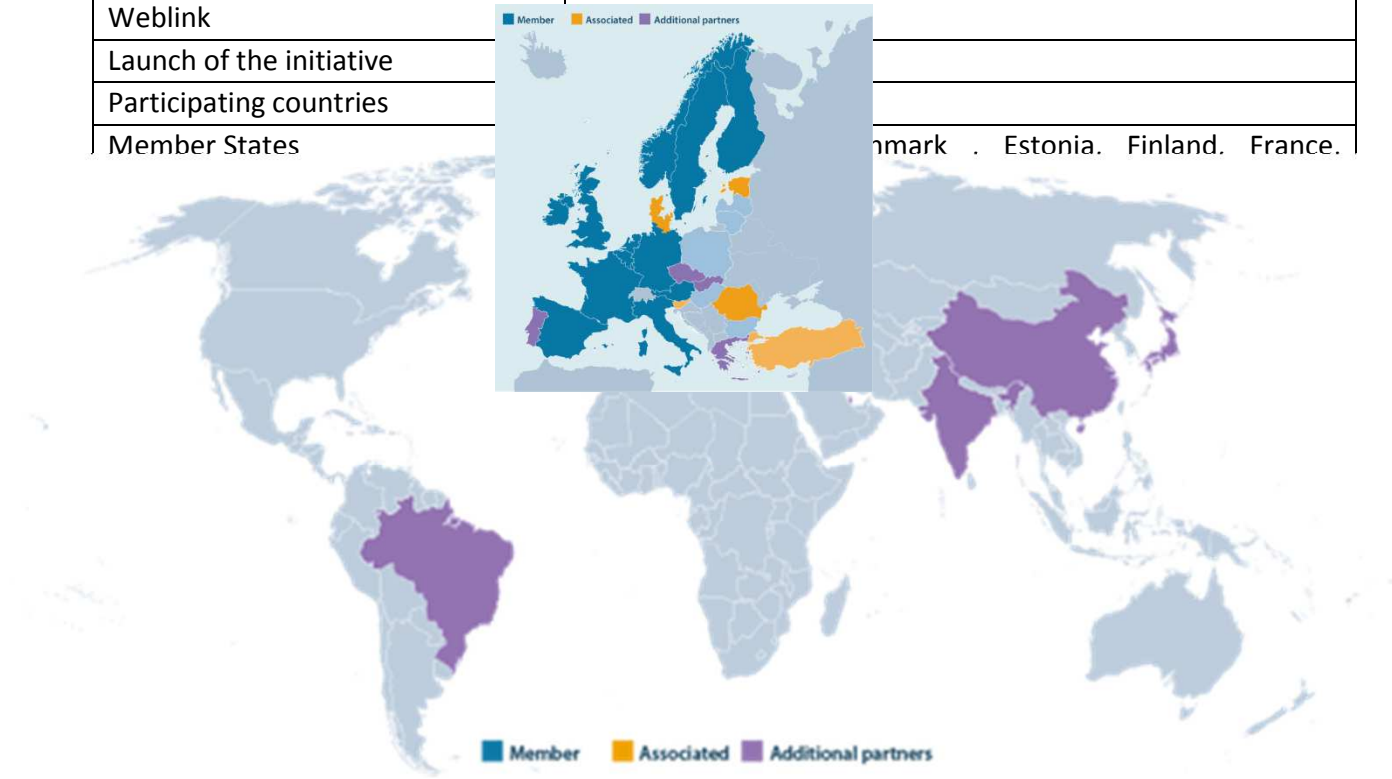
to be amended at 12<sup>th</sup> GB,

*30 November – 1 December, 2016*

*Roma*

# General Information

Acronym and name of the initiative	Joint Programming Initiative Connecting Climate Knowledge for Europe (JPI Climate)
Acronym of the initiative	JPI Climate
Weblink	
Launch of the initiative	
Participating countries	
Member States	Denmark, Estonia, Finland, France,



# JPI Vision and Strategy

- Inform and enable **transition to a low emission, climate resilient economy, society and environment**
- Develop and coordinate a **pan-European research programming platform to provide useful climate knowledge and services** for EU & MS/AC
- **JPI Climate aims** to:
  - **foster** an **excellent science** base, world-class research **infrastructures** and a **new generation** of researchers;
  - **cooperate** with partners in advanced, **emerging and developing countries**;
  - **achieve** greater impacts through **involvement of the public and private sectors** in knowledge creation and mobilisation
  - **innovate with the end-users** on societal transformation for resilience and sustainability.

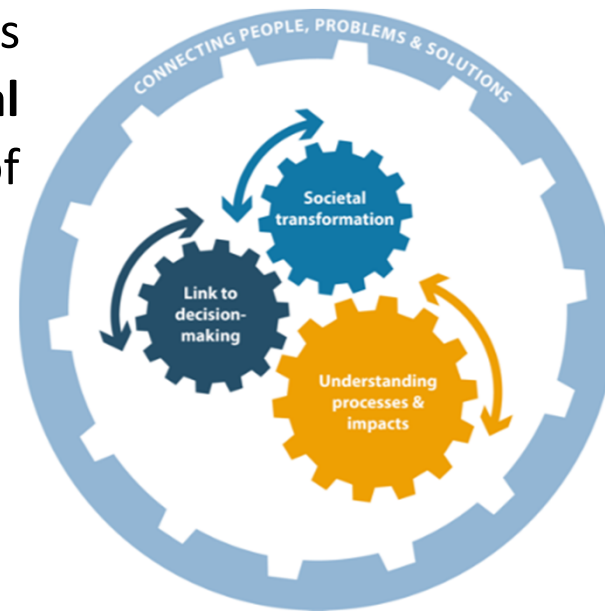
# SRIA 2016-2025

## ➤ 3 Overarching Challenges

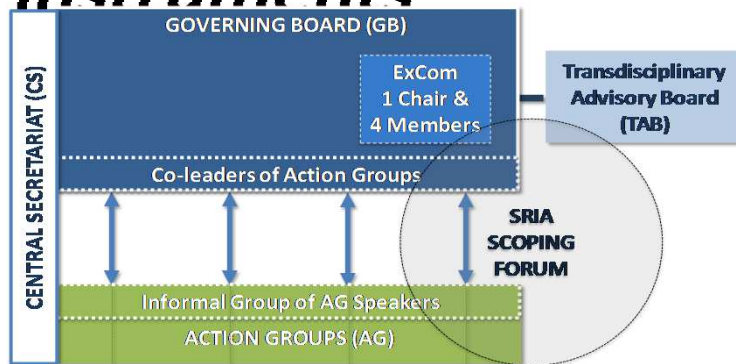
- Understanding the **processes and consequences** of climate change
- Improving knowledge on **climate-related decision-making** processes and measures
- Researching sustainable **societal transformation** in the context of climate change

## ➤ One Strategic Mechanism

- **Connecting** people, problems and solutions in a **systemic approach**



# Implementation plan and instruments



## ➤ New Governance to implement SRIA 2016-2025

## ➤ Exploration and Assessment

- Generate, assess & synthesize information to inform, guide & build trust

## ➤ Alignment to enable strategic alliances (RPOs)

- Network existing efforts and promote cross-fertilization
- Prioritize and share work or infrastructure
- Capacity building, incl. trans-disciplinary & early careers
- Co-develop joint program, incl. smart specialization

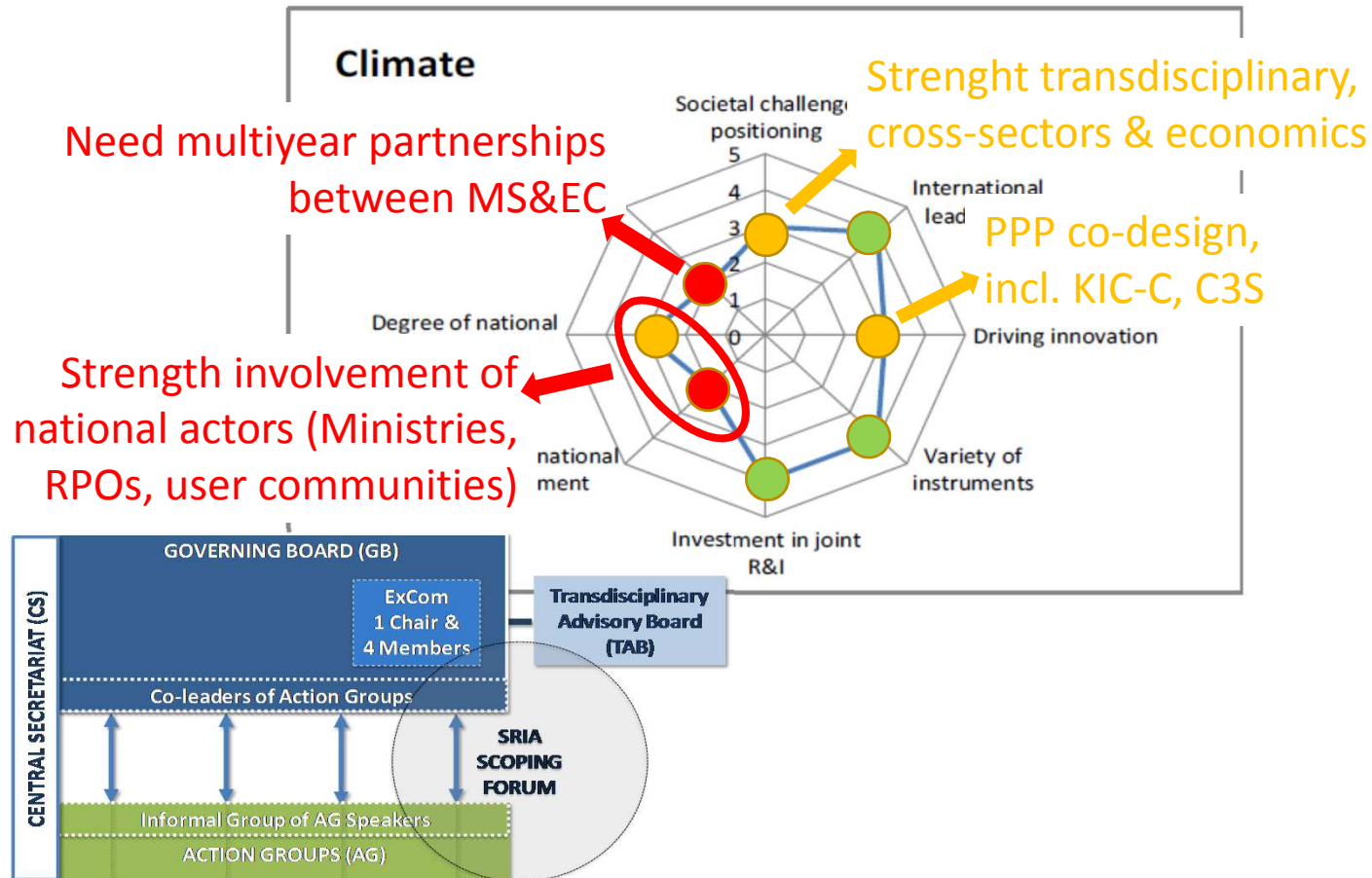
## ➤ Alignment to mobilize research funding (RFOs)

- Coordination between different national calls
- Transnational calls, supported by MS/AC and/or EC
- Development of transnational programs

## Conclusions for 2018-20 plans (*from 11th GB*)

- **Climate Science** (process, observation, infrastructure, training, modelling, attributing, forecasting...) **should be reinvested to trigger a new wave of innovation** in 2020s'
- **Science support to meet UN agreements** (*UNFCCC, DRR, 2030 SDGs*)
  - **Deploy effective and efficient National & EU Policies**, taking into account economics, societal transformation, GHG verification and evaluation of side effects of policies
  - **Limit temperature increase to 1.5/2 °C**, including negative emission issues, fast transformation and social impacts
- **Integrated regional focus on vulnerable areas in Europe and beyond,**
  - **e.g.** Africa, Arctic, Baltic, Mediterranean, mountains areas, deltas and transnational river basins...

# Hernani's report



# Topics and activities of 2018-20 plans (provisional)

## ➤ Climate Science

- **Next generation of Climate Science in Europe**, via overarching coherence of major initiatives: IPCC, CMIP, WWRP, WCRP, H2020, ESFRI, Belmont Forum...
- *Cooperation with JPI Oceans is under investigation*

## ➤ Science support to meet UN agreements

- **Climate policy impacts** on social transformation pathways (incl. HHS)
- **Greenhouse Gas emissions verification** (national programs & infrastructures)
- **Synergies and trade-off between environmental policies** (*potential cooperation with BiodivERSA*)
- **Disaster risk reduction** on key sectors dealing with climate extremes (*potential cooperation with JPI Water, JPI Urban Europe, JPI FACCE*)

## ➤ Integrated regional focus on vulnerable areas in Europe & beyond

- **Quality assessment of climate adaptation policies**
- Potential cooperation could be investigated on case by case with appropriate regional initiative, e.g. **Arctic Science Summit, Art.185 BONUS & PRIMA, EU-Africa STI cooperation, EU-CELAC cooperation, etc.**



# Proposed cooperation with EC and H2020

## ➤ Next generation of climate science in Europe

- As EU Member States invest more than a billion € in this field, it is envisaged a **large co-funding instrument to impulse harmonization and alignment of national programmes**
- Investigation on the **best co-funding instrument for long-term alignment of RFOs & RPOs**

## ➤ Climate policy impacts on social transformation (incl. 1.5° scenario)

- **1.5° or 2° climate scenario will impact the social pillar** of sustainability (incl. education, justice, equity...).
- Best instrument should be identified (e.g. **ERANET or RIA**).

## ➤ Synergies and trade-off between climate and biodiversity/ecosystems policies

- **Synergies and trade-off between SDGs**, i.e. “climate policies including negative GHG emissions” vs “policies related to biodiversity and ecosystem services”, a key issue for land-use and sea-use managers
- Best instrument should be identified (e.g. **ERANET or RIA**).

# Con't

## ➤ **Quality assessment of climate adaptation policies**

- **Quality assessment and efficiency of climate adaptation policies** on vulnerable regions, of Europe and beyond (e.g. **Africa**), are essential at a time of rising climate actions.
- **Science information for [Adaptation fund](#) and [Green Climate Fund](#)** to help developing countries build resilience and adapt to climate is needed.
- Best instrument should be identified (e.g. **ERANET or RIA**).

## ➤ **Disaster risk reduction on key sectors**

- **Potential Disaster risk reduction** to face present and near-term climate extremes is crucial for sectors
- **Promote the use of up-to-date knowledge related to such extremes (month to years)**
- Best instrument should be identified (e.g. **ERANET or RIA**).

# Support from the Framework programme

- A crude scenario for JPI Climate issues' EC support could be around **25M€/year** in continuity with previous years of H2020
- **Needs iterations both between MS and with EC**, as well as formal approval by next JPI Climate GB in December 2016.

Instruments	Year	Total amount	EC contribution
CSA JPI Climate	2012 EC call	2 M€	2 M€ from EC
ERANET Climate Services	2015 EC call	75M€	25M€ from EC (cash & in-kind)
RIA on Integrated European regional modelling	2017 EC call (SC5-02)	13 M€	13 M€
ERANET Cross-sector impact assessments	2017 EC call (SC5-30)	39 M€* * if in-kind RPOs	13M€ from EC (cash & in-kind)
CSA Widening international cooperation	2017 EC call (SC5-31)	3 M€	3 M€ from EC
EC H2020 instruments to identify	2018	To be iterated between MS	To be iterated between MS and EC
EC H2020 instruments to identify	2019	To be iterated between MS	To be iterated between MS and EC
EC H2020 instruments to identify	2020	To be iterated between MS	To be iterated between MS and EC

## **Public funding mobilised until 12/2017 *(to be confirmed)***

<b>Transnational activities Total volume of initiated activities</b>	<b>220 M€</b>
<b>National calls and other activities calls Total public funding implemented/published</b>	<b>75 M€</b>
<b>Transnational calls Total public funding implemented/published</b>	<b>200 M€, incl. planned 2017 ERANET</b>
<b>Total Union contribution</b>	<b>42 M€, incl. planned 2017 CSA &amp; ERANET</b>

*Thanks for your attention*