



# *Climate-friendly Climate Research*



Greening the Research System – Towards Climate-Friendly Research

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# About JPI Climate



## The role of JPIs in the European Research Area

Based on Article 26 Horizon 2020 Research Framework Programme

### What is the Joint Programming Initiative (JPI)?

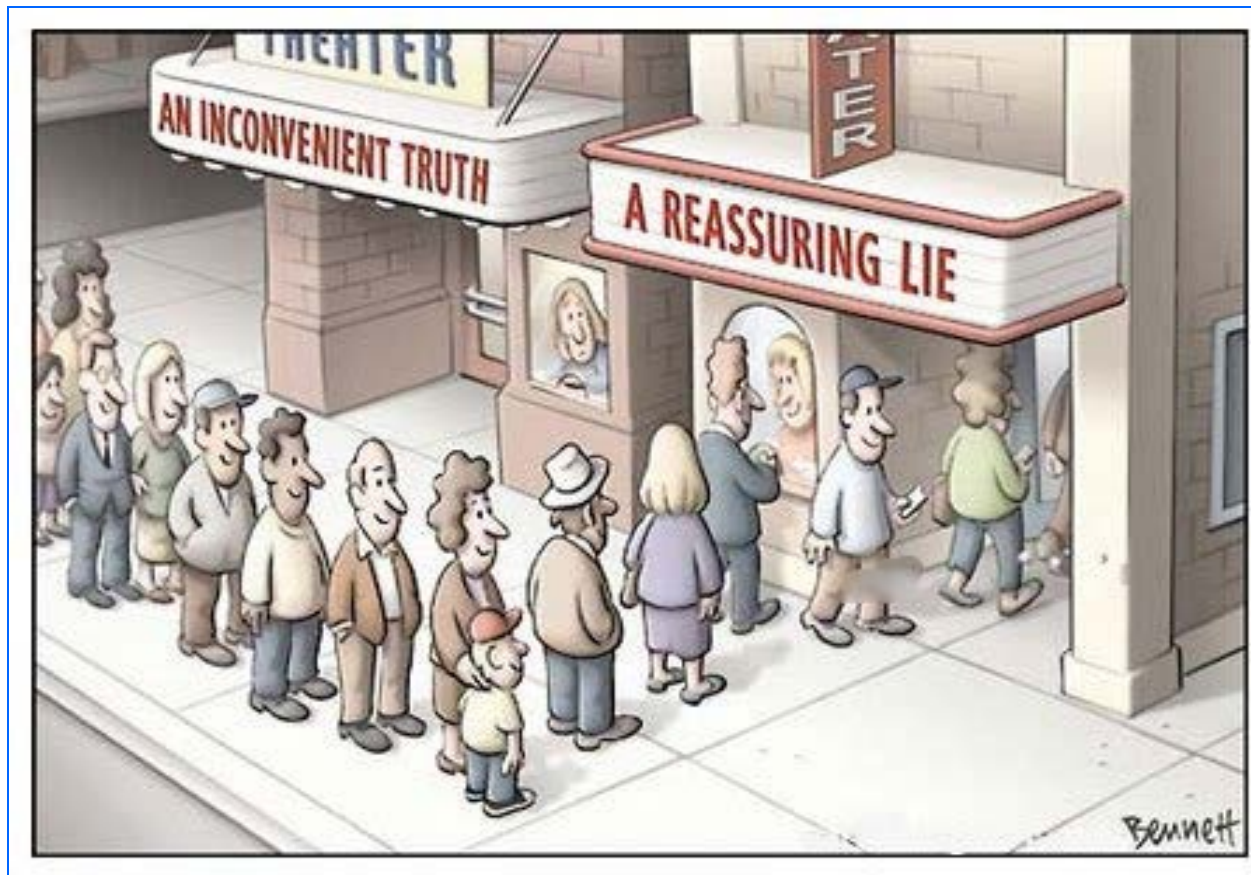
The joint programming concept was introduced by the European Commission in July **2008** to support implementation of the **European Research Area**. The objective of joint programming is to ‘**increase the value of relevant national and EU R&D funding by concerted and joint planning, implementation and evaluation of national research programmes**’.

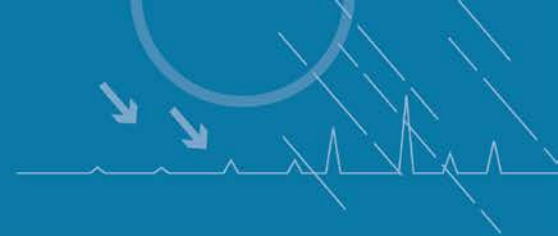
# 10 JPIs addressing the „Grand Societal Challenges“

- Alzheimer and other Neurodegenerative Diseases
- Agriculture, Food Security and Climate Change (FACCE)
- A Healthy Diet for a Healthy Life
- Cultural Heritage and Global Change: A New Challenge for Europe
- Urban Europe - Global Urban Challenges, Joint European Solutions
- Connecting Climate Knowledge for Europe (JPI Climate) - since 2010
- More Years, Better Lives - The Potential and Challenges of Demographic Change
- Antimicrobial Resistance- The Microbial Challenge - An Emerging Threat to Human Health
- Water Challenges for a Changing World
- Healthy and Productive Seas and Oceans

Those in bold deal with climate issues

This is our film






- ***aims to*** respond to the knowledge needs of policy and the European society at large to address climate change
- ***provides*** a platform to align national research priorities according to a jointly agreed Strategic Research Agenda (SRA)
- ***facilitates*** the coordination, collaboration and exploitation of synergies in climate change research
- ***connects*** different disciplinary approaches in natural and social sciences; top researchers and research groups from different European countries; and scientific insights with the demands of policy makers, decision makers and other stakeholders

# JPI Climate partnership



 13 Member Countries

 3 Associated Members

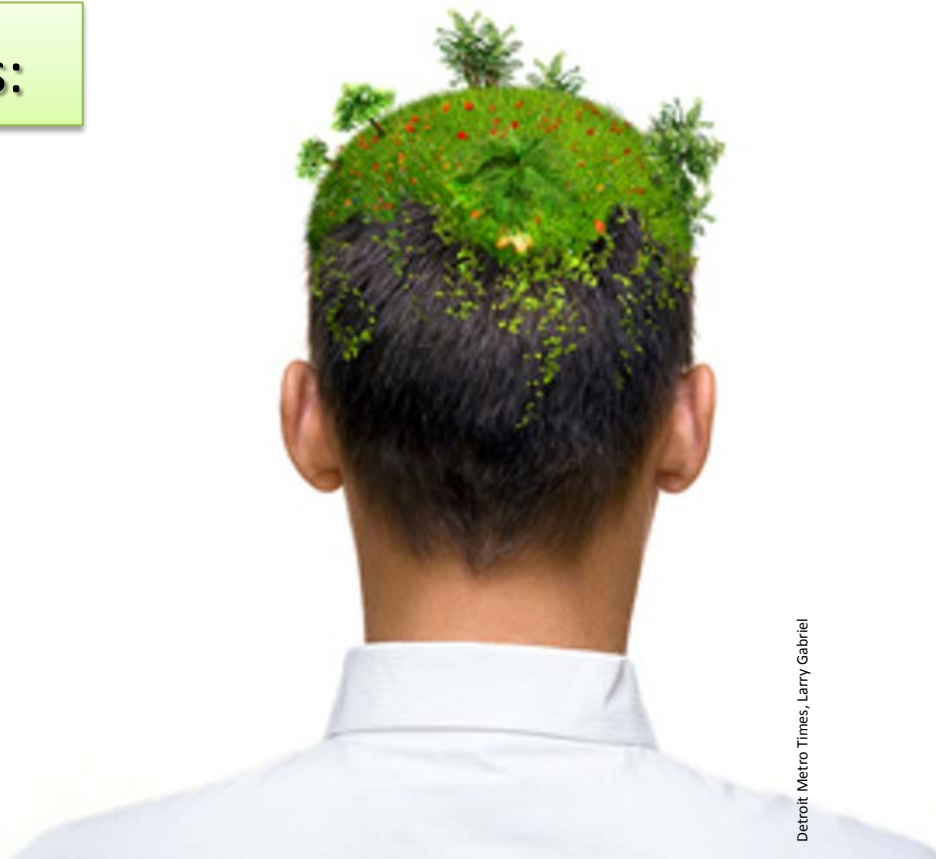
 ERA4CS partners (no JPI Climate member)

Members + European Commission  
+ Partner Institutions  
(EEA, ECRA, ESA,  
NordForsk) in the GB



# Greening is the process of becoming greener

And all starts:



Detroit Metro Times, Larry Gabriel

# A process characterized by



- Learning by doing
- Learning from other sectors including international businesses
- Build on best practice examples and use creative approaches



# How did JPI Climate start this process?

JPI Climate started in 2011 with a joint Strategic Research Agenda, adopted at the May GB meeting in Helsinki:

*“This Vision Paper aims to inform the national and international research and policy community about this initiative as a new opportunity to enhance policy-relevant climate change research in Europe **in support of a climate-resilient and sustainable development of our society.**”*

Including the adoption of 5 principles:

# Sustainability as one of the 5 principles



## **Sustainability principle**

### **Objective:**

To take into account the challenges of climate change in the work of the JPI, based on active reflection of operations (e.g. “green meetings”) and to formulate the endeavour of constant improvement of the operations’ climate performance.



## **Stakeholder orientation principle**

### **Objective:**

To integrate the knowledge, values and objectives of societal decision-makers in the implementation and operation of the JPI through the active participation of stakeholder group representatives (see section 1.3) in accordance with the JPI mission.



## **Adaptability principle**

### **Objective:**

To enable the JPI’s thematic framework to respond to novel scientific insights and research requirements, current states of societal transformations and potential demands due to sudden social-ecological crises.



## **Transparency principle**

### **Objective:**

To base the collaborative efforts encompassed within JPI development and implementation on the notions of openness, mutual learning, mutual dependency and joint creativity; and to foster the free flow and sharing of information, experiences and opinions.



## **Cost efficiency principle**

### **Objective:**

To limit superfluous duplication of scientific/technical outputs, research and funding activities.

# Sustainability principle

- ❖ contribute to mitigating the carbon footprint of our work and activities
- ❖ increase the credibility of climate impact research - be a role model
- ❖ responsible, climate-friendly science and research.



↓ **personal meetings** and direct exchange is still crucial for aspects like community building but not all meetings have to be physical meetings!

→ We seek to always explore the possibility of **virtual meetings** – the most carbon friendly mode of inter-personal exchange supported by video conferences and web-base

For **personal meetings**, JPI Climate members are encouraged to use (night-) trains - venue and timing of the GB meetings are set in accordance with this recommendation (accessibility/centrality of venue within Europe, arrival and departure times of important train connections).

- ❖ Back to back meetings to avoid multiple travelling
- ❖ Planning long in advance
- ❖ Organising at the Central Secretariat in Brussel as a central location

We use for our plannings:



## United Nations Environment Programme



# Cost efficiency: a barrier to green research?



A virtual meeting is also more cost efficient than a personal meeting, but taking the train...?

# The challenge of transborder collaboration

Example of a recent virtual meeting in Brussels:

Post peer review meeting of a joint call JPI Climate and Belmont Forum with a parallel European and international meeting of meeting

GOA/India and Brussels at the JPI Climate Central Secretariat

We planned a video conference and turned out with a simple telco

An ongoing learning process to be continued

Upcoming ERA-NET for Climate services with 41  
European partners in 13 countries

# Societal Challenge addressed by JPI Climate

Climate Change Research must be more than addressing the problem in an abstract way and can become tangible by making the research greener

➔ A question of credibility and trust





Thank you for you attention!

