

Joint Programming in Research Agriculture, Food Security and Climate Change

Jean-François Soussana
Scientific Advisory Board Chair

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Agriculture Food Security and Climate Change



What is Joint Programming in Research

Key Challenges :

- Science and Technology must **contribute** to solving major societal challenges
- **Benefits not optimised** due to compartmentalisation of public research funding in the EU
- **National research programmes** have their place... but are **not equipped** to tackle major European societal problems by themselves

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What is Joint Programming in Research

Response to challenges :

- Commission Communication on Joint Programming in research adopted by Council Conclusions (2008)
- Member States engaging
 - Voluntary and on the basis of variable geometry
 - ...based on a common vision on how to address major societal challenges
 - ...in the definition, development and implementation of common strategic research agendas

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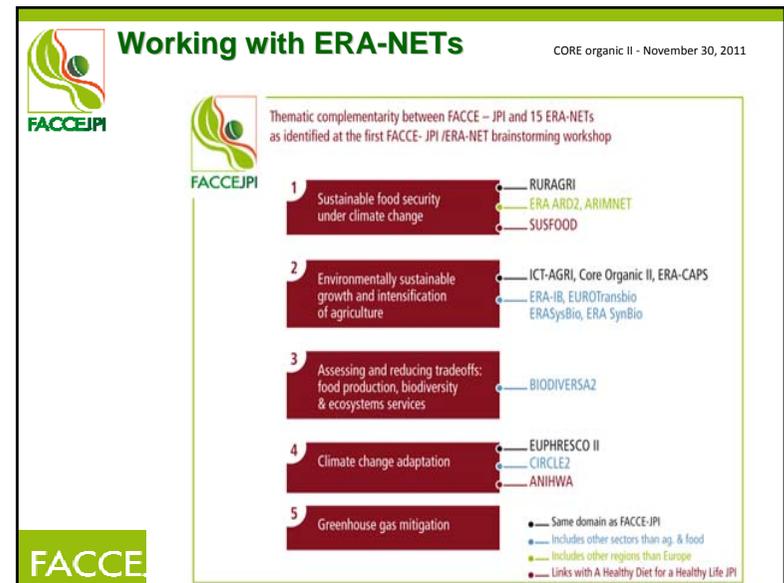
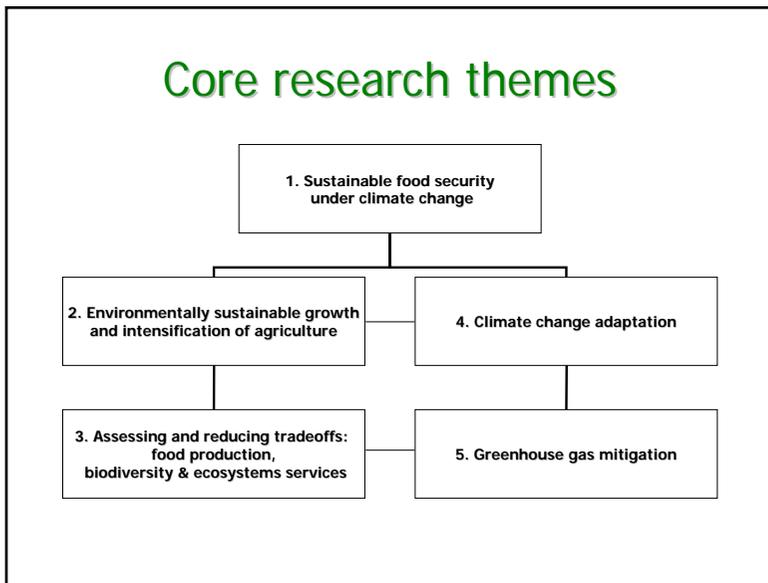
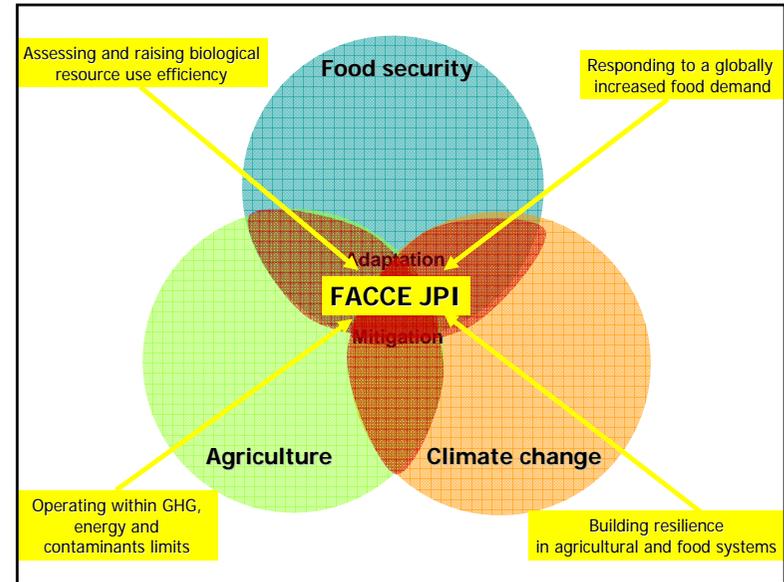
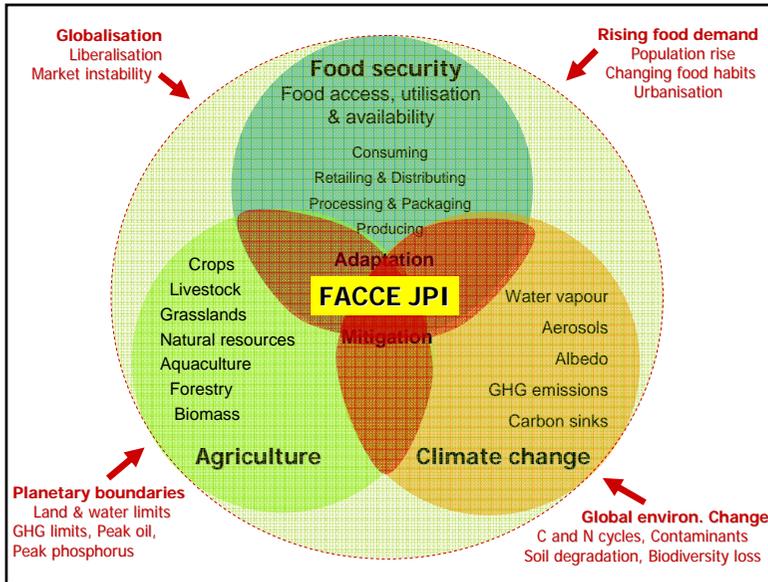
21 countries participating

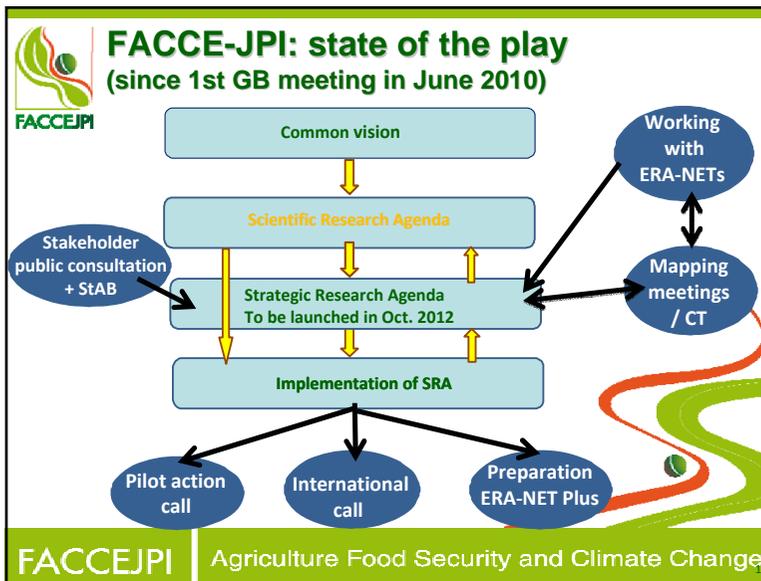
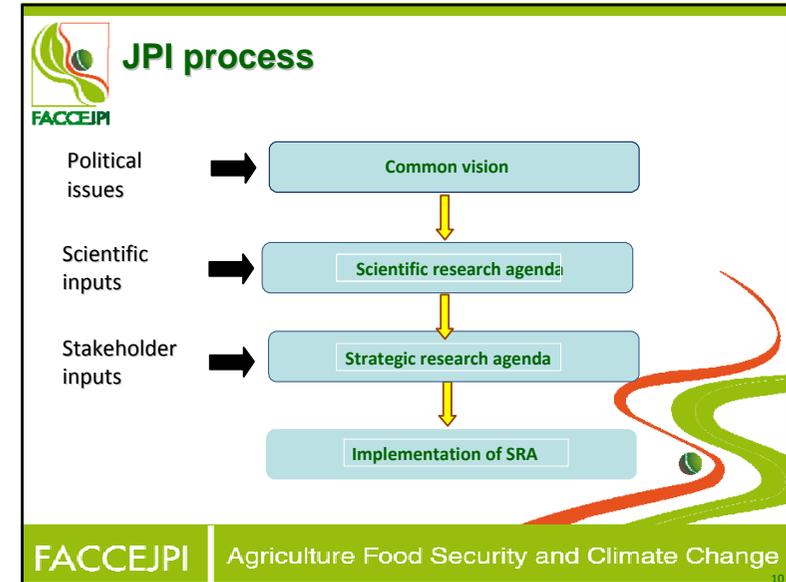
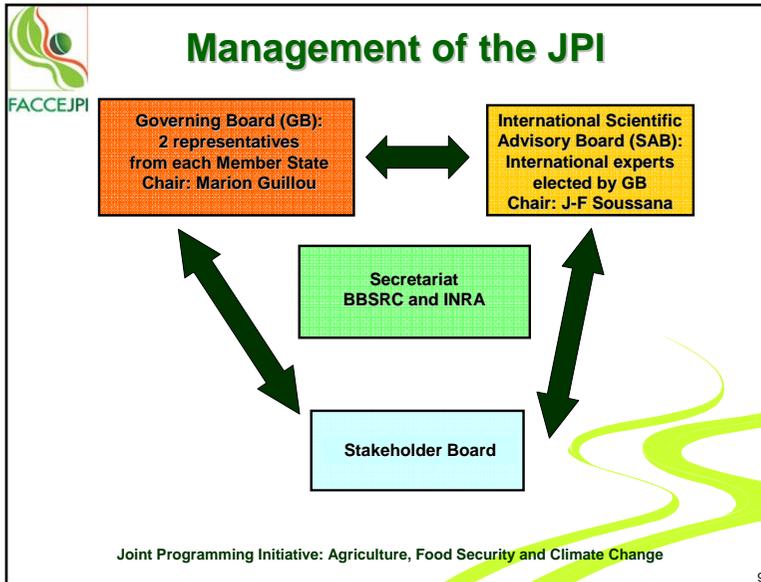


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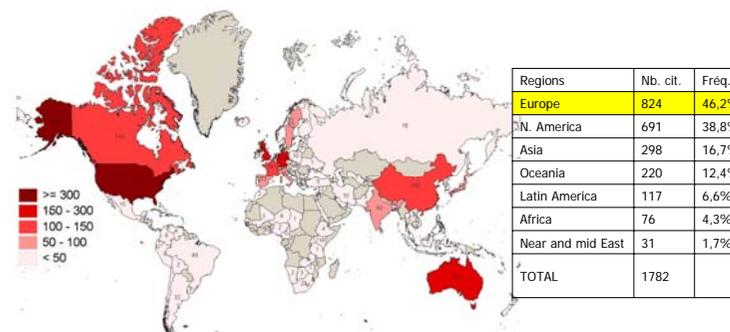


- ### FACCE Knowledge Hub
- Provide **critical mass** ...
 - Make **common research efforts** ...
 - .. **perform training and capacity building** within the thematic area
 - Facilitate **data access and data sharing** ...
 - Enhance **communication and visibility** ...
 - Deliver **knowledge for policy making** ...

Proposed pilot action under CT1 Climate change risk assessment

- Detailed **climate change risk assessment** for European agriculture: how will climate variability and change affect regional farming systems in near and far future?
- What are the risks and the opportunities for European agriculture?
- In collaboration with the international project AgMIP, an ensemble of crop and livestock **models will be benchmarked, inter-compared and coupled to both climatic and economic models.**

European leadership



Climate change risk assessment MACSUR - Knowledge Hub

- 15 M€ committed by 17 countries (ca. 8 M€ of new money)
- International evaluation
- Project funded in July 2012
- Kick-off meeting October 2012

Core theme 5: Mitigation of greenhouse gases

- Contribute to direct reductions of GHG emissions through carbon sequestration, fossil fuel energy substitution and mitigation of N₂O and CH₄ emissions by the agriculture and forestry sector, while reducing GHG emissions associated with indirect land use change;
- Develop monitoring and verification methodologies of field, animal and farm scale GHG budgets , including, or not, indirect land use and cradle to grave life cycle;
- Develop verifiable GHG mitigation and carbon sequestration measures in farming systems;
- Substitute fossil-fuel energy through increased use of biomass and other renewable energies in the agriculture sector.

Thank you!

For further information, contact SecretariatJPI@paris.inra.fr

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