

The Joint Programming Initiative on Agriculture, Food Security and Climate Change

FACCE-JPI

Alignment as seen by FACCE-JPI

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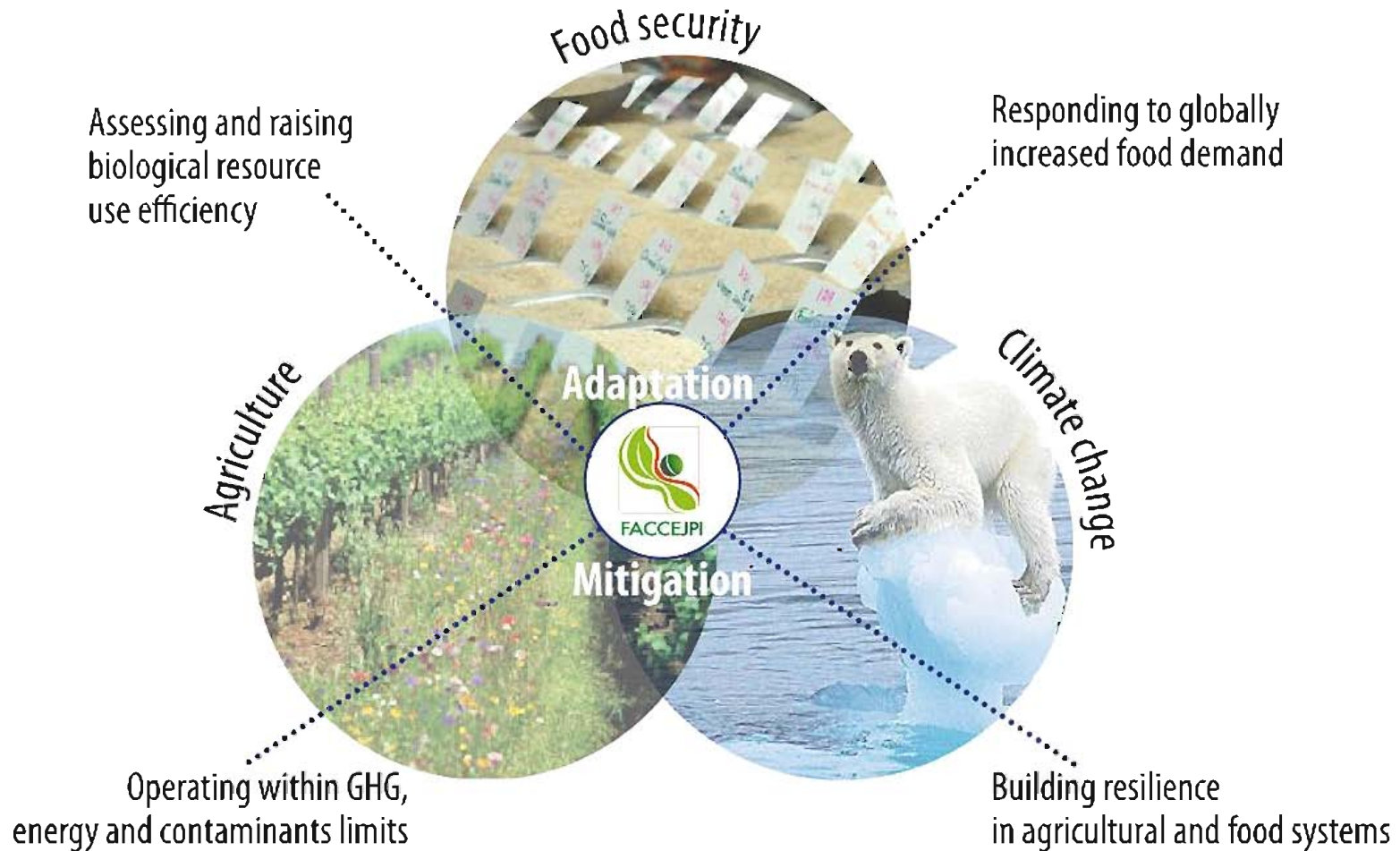
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www.faccejpi.com



Agriculture Food Security and Climate Change

Agriculture, Food Security and Climate Change: A great societal challenge



21 Participating countries



-  Austria
-  Belgium
-  Czech Republic
-  Denmark
-  Estonia
-  Finland
-  France
-  Germany
-  Ireland
-  Israel

-  Italy
-  The Netherlands
-  Norway
-  Poland
-  Romania
-  Spain
-  Sweden
-  Switzerland
-  Turkey
-  UK
-  Cyprus

 European Commission
 SCAR (observers)

A three stage process

1. Development of a **Common Vision** with long term objectives
How cooperation and coordination of research at EU level can address the combined challenges of food security against the continuous threat represented by various scenarios of climate change, global population growth and food / non-food demand
2. Translate it into a **Strategic Research Agenda (SRA)**
Establishing medium to long-term research needs and objectives in the area of food security through adaptation to and mitigation of climate change in agriculture
3. **SRA implementation**
identifying and exchanging information; joint foresight and technology assessment; joint research activities/modalities; infrastructure; EU/global aspects; public-private partnerships; needs of consumers and industry



Strategic Research Agenda

Launched in December 2012

The five core themes for



2- Environmental and intensification

3- Assessing and food production, biodiversity

change adaptation

house gas mitigation

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Strategic Research Agenda

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FACCE-JPI and ERA-NETs

- From the beginning, FACCE has worked with the 18 ERA-NETs within its thematic scope to make links and find synergies.
- Workshops held in October 2011, April 2013; participation in PLATFORM
- Input into calls (e.g. ANIHWA second call: "Improvement of preparedness for emerging and exotic diseases")
- Joint call with BiodivERsA in 2013



FACCE-JPI and other initiatives

- FACCE has also worked with other European and international initiatives
 - International workshops
 - July 2012, Dublin
 - June, 2013, Bonn
- Actions with Belmont Forum, GRA





FACCE where we are

Joint call FACCE-BiodivERSA ERA-NET

International call on

ERA-NET + Climate Smart Agriculture

International Call on GHG Mitigation

in with existing under the FACCE

GHG Mitigation

Collaboration with EC (€ 4 M top-up)

International community (GRA countries)

11 countries/6 from the JPI

Modelling

18 JPI countries

8 JPI countries + CA, NZ, US

FACCE-ERA-NET +

estimated budget ~ € 8 M

International call on agricultural GHG Mitigation

Total budget ~ € 20 M

Budget ~ € 8 M

Funding decision July 2014: 8-10 projects

Funding decision July 2014: 11 projects

Funding decision October 2013: 11 projects

2014 - 2015



FACCE – JPI Implementation Plan: Where we are going



Adopted 21 October 2013



FACCE-JPI: How we work

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Based on common vision and Strategic Research Agenda, FACCE-JPI defines three types of joint actions

ALIGN: Much research/all or many countries → Alignment, e.g. through Knowledge Hubs or Knowledge Networks, Thematic Annual Programming (Geographic, thematic) or working with existing initiatives **Avoid duplication, create critical mass, data and model sharing**

INVEST: Need for new research funding → New calls (H2020, ERA-NETs, new transnational calls)
Strengthen European research effort, create synergy

EXPLORE: Emerging research topics → Ideas lab, workshops
Enhance innovation and breakthrough technologies

The Implementation Plan: 2014

Alignment of existing national research

- **1 Knowledge Hub** on plant disease epidemiology under climate change
- **1 Knowledge Network** on the development of options for sustainable intensification of European crop (both major and minor crops) and livestock systems

Co-funding:

- **1 ERA-NET** on Sustainable and resilient agriculture for food and non-food systems
- 1 FACCE Coordination and Support Action

Explore:

- **2 Exploratory workshops:**
- Animal health and diseases and GHG Mitigation
- Food safety implications of climate change and climate variability



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The Implementation Plan: 2015

Alignment of existing national research

- **1 Knowledge Hub** on experimental climate change studies on crop and grassland systems
- **1 Thematic Annual Programming Network** : gather national funders to discuss major national research programmes on improving agricultural soil quality, with the objective to align them

Co-funding:

- **1 ERA-NET** on Agricultural greenhouse gas research (proposed by FACCE)
- 2 additional ERA-NETs on Sust. Animal Production, Water

Explore:

3 Exploratory workshops :

- Methods for better integrating research on food economics and climate change
- Better understanding of trade-offs across ecosystem services and their economic effects at farm level
- Overcoming socioeconomic and technological barriers to GHG mitigation in European agri-food chains

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Specific Tools for Alignment

**FACCE-JPI Knowledge Hub (KH)
FACCE-JPI Knowledge Network (KN)
Thematic Annual Programming (TAP)**

Developed by and for FACCE-JPI



Tools: FACCE-JPI Knowledge Hub (KH)

- ❖ Network of selected research groups within a defined area of research
 - ❖ Variable geometry (national rules) + virtual common pot
 - ❖ Dedicated to research, networking and capacity-building
 - ❖ Foster transnational cooperation, collaboration and communication of the research communities and contribute to optimising research outcomes by facilitating a better networking and information exchange between all actors
- Example: MACSUR Knowledge Hub started for 3 years in June 2012



MACSUR

MACSUR as an example:

- Brings together 265 people in 71 institutions of 18 countries, Provided important inputs into IPCC AR5,
- Has made a survey of 86 crop, 10 grassland, 8 farm and 26 economics models
- 170 peer reviewed publications, 16 contributions to books, 13 other publications, 301 external presentations, 1 international congress
- 260 additional person months (over 3 years), 8 M€ fresh money
- 14 supervised theses
- 36 training and specialist workshops



Tools: FACCE-JPI Knowledge Network (KN)

- ❖ Same objectives as Knowledge Hub for research areas that are broader than those covered by a Knowledge Hub and with a larger community of researchers
- ❖ Consortia funded in a competitive process
- ❖ Several networks of research groups within the area of research
- ❖ Variable geometry (national rules) + virtual common pot

Tools: Thematic Annual Programming (TAP)

- All/many countries have research in a given area (e.g. soil quality) with new calls or programmes foreseen
- These will be aligned through decision by national funders on common wording and criteria for selection and evaluation, but carried out at national level
- Funded projects will be networked to avoid overlaps by e.g. a common workshop
- FACCE-JPI members can plan for several years

But also other ideas to be developed

- Education, training and mobility
- Centres of excellence
- Networks of experimental/ demonstration sites (e.g. farms)
- Coordination of nationally funded research (COST)
- Research infrastructures
- Smart specialisation
- Ideas labs
- Venture challenges...

See <http://www.faccejpi.com/faccejpi/Document-library/Toolbox-of-potential-funding-instruments>

Thank you for your attention!

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