

FACCE-JPI Strategic Research Agenda (SRA)



Joint Programming
Initiative on
Agriculture, Food Security
and Climate Change

FACCEJPI

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12th June 2019

FACCE-JPI: KEY FACTS

- FACCE-JPI launched by Council of the EU in 2010, addresses the challenges at the intersection of agriculture, food security and climate change
- Strategic intergovernmental partnership designed to address global challenges, which countries cannot effectively tackle alone.
- 24 Member Countries (of which New Zealand as Associate Member); 2 observers (EC, EU Standing Committee on Agricultural Research)
- Managed by 1 Governing Board ; 2 Advisory Boards (independent scientists and stakeholder organisations), Executive Secretariat coordinated by France (INRA)
- 11 Joint research actions mobilising €104 M so far (variable geometry/various instruments)
- Link with and relevance to H2020 SC2 (Food Security, Sustainable Agriculture, Water, Bioeconomy) and SC5 (Climate Action)

COMMON VISION AND MISSION

VISION *(revised)*

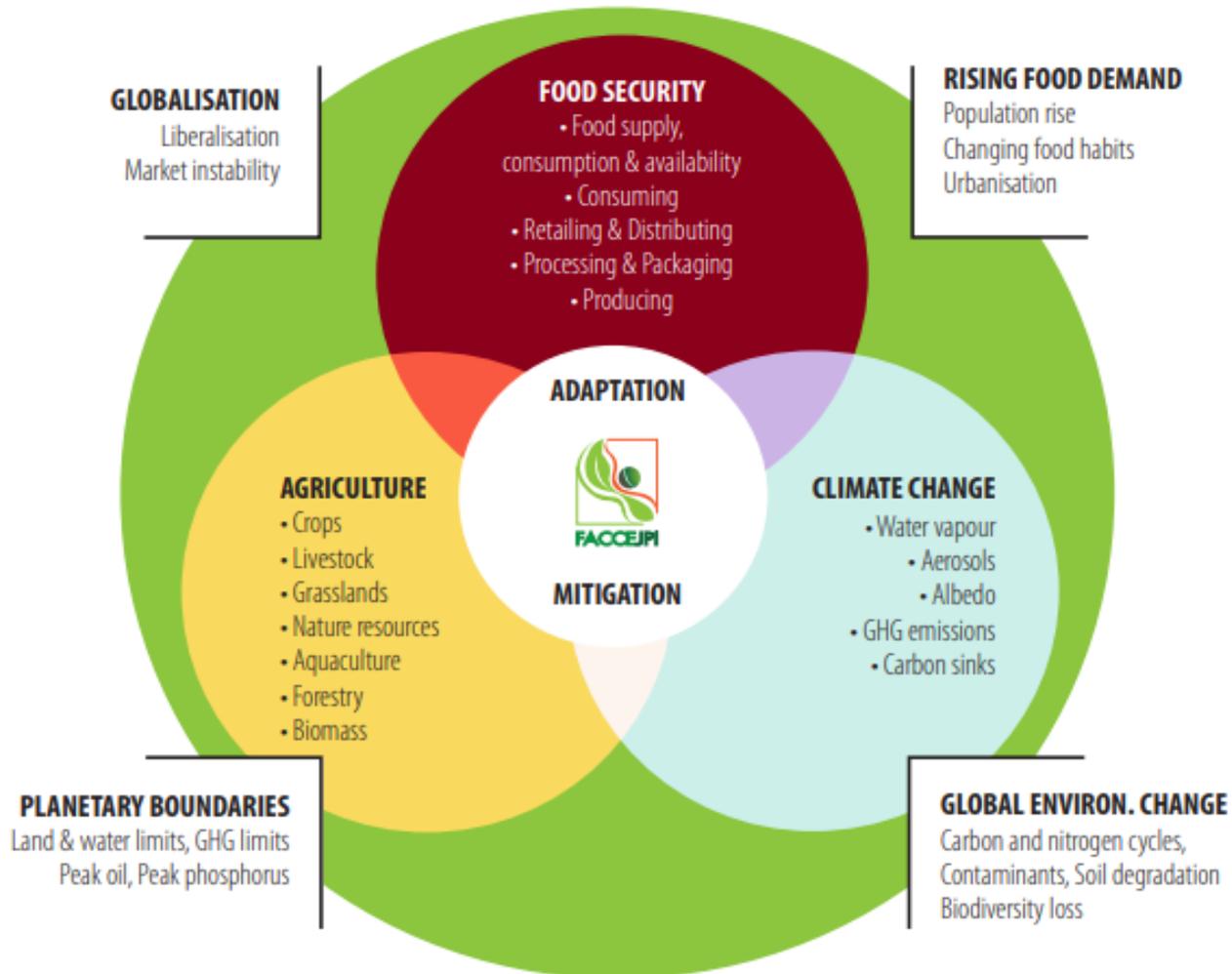
A **European Research Area** addressing the challenges at the **intersection of agriculture, food security and climate change** in order to achieve sustainable and resilient food systems providing healthy diets, contributing to an European circular economy and respecting the local ecosystems and planetary boundaries. Research should not only look at technical solutions and should always consider the socio-economic aspects of proposed solutions.

MISSION

Promote the **integration and alignment of national research resources** in Europe under a common research strategy, to address the diverse challenges in agriculture, food security and climate change



THEMATIC SCOPE



SUSTAINABLE DEVELOPMENT GOALS

2 ZERO HUNGER



12 RESPONSIBLE CONSUMPTION AND PRODUCTION



13 CLIMATE ACTION



15 LIFE ON LAND



24 PARTICIPATING COUNTRIES

20 EU Member States + 3 Associated Countries + 1 Third Country

Austria	Lithuania
Belgium	<u>New Zealand</u>
Cyprus	Italy
Czech Republic	The Netherlands
Denmark	<i>Norway</i>
Estonia	Poland
Finland	Romania
France	Spain
Germany	Sweden
Hungary	<i>Switzerland</i>
Ireland	<i>Turkey</i>
Latvia	United Kingdom



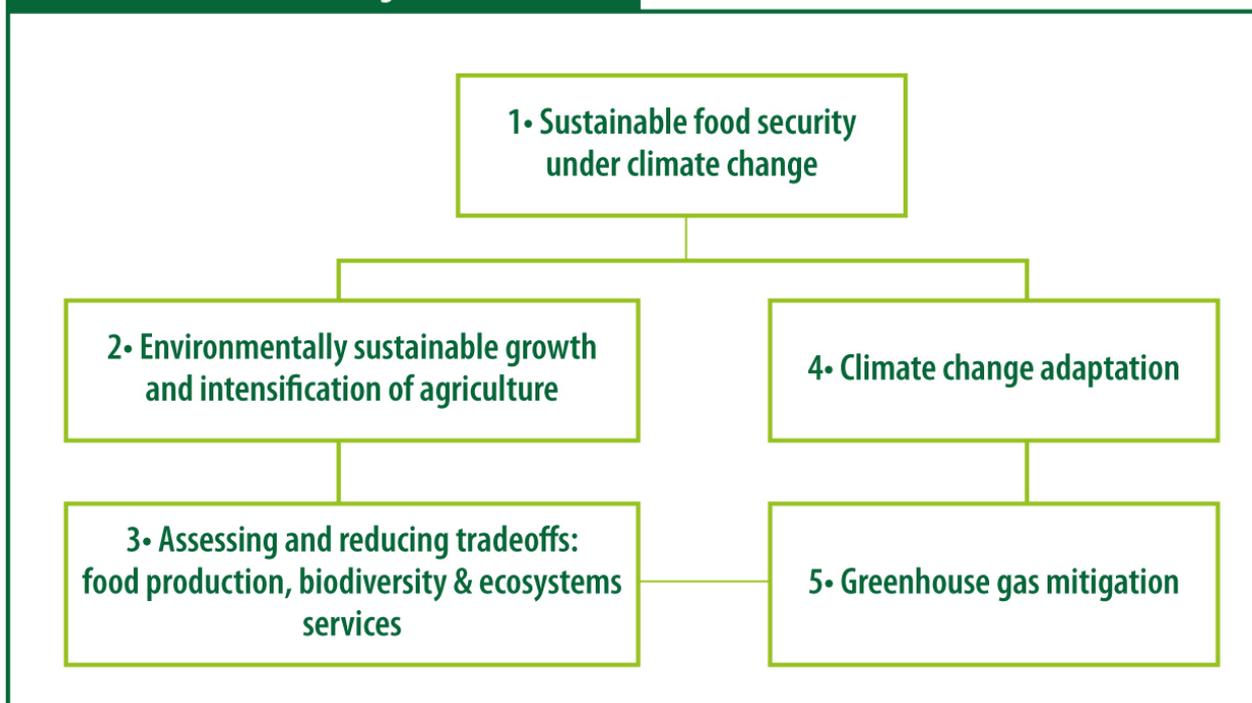


STRATEGIC RESEARCH AGENDA AND JOINT RESEARCH ACTIONS



STRATEGIC RESEARCH AGENDA: FIVE CORE THEMES

The five core themes forming the FACCE – JPI



EU

Food 2030
Policy

Bioeconomy
Strategy

2030
Climate and
Energy
Package

Common
Agricultural
Policy

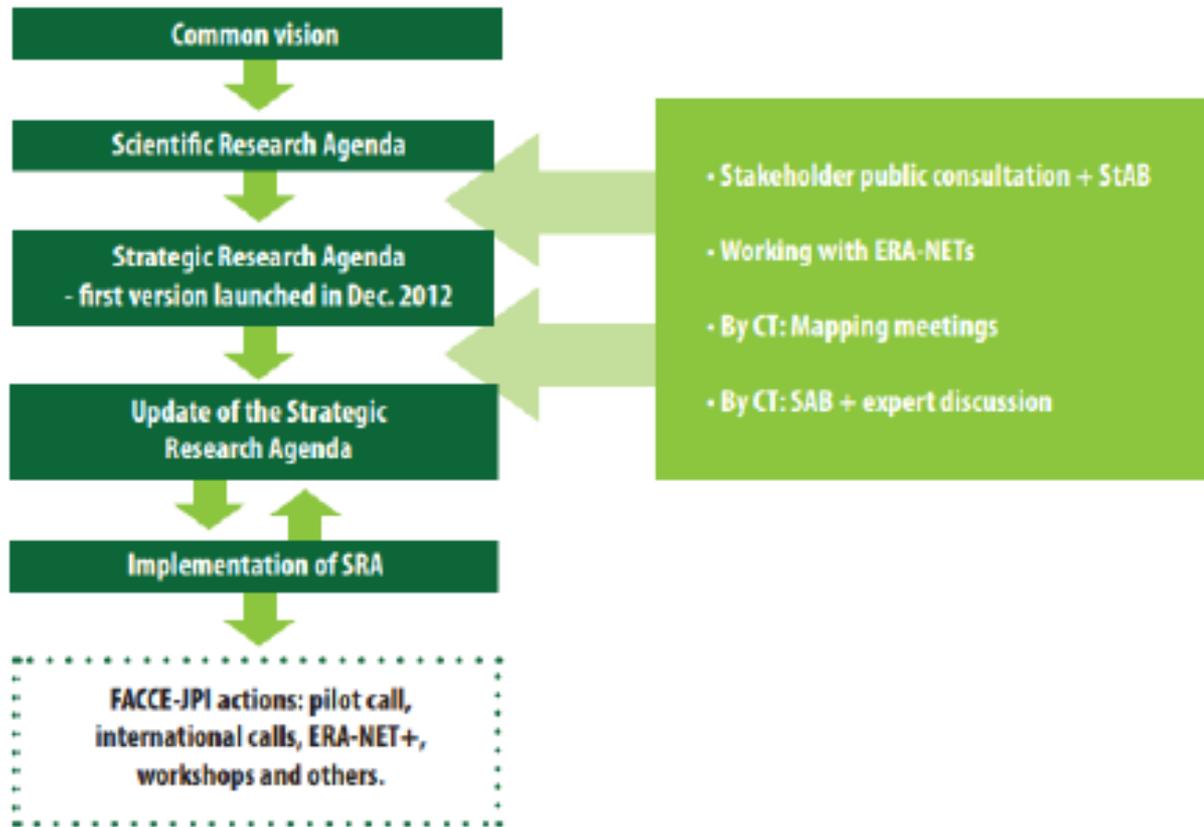
Global

Sustainable
Development
Goals

Climate
Change
Agreement/
COP

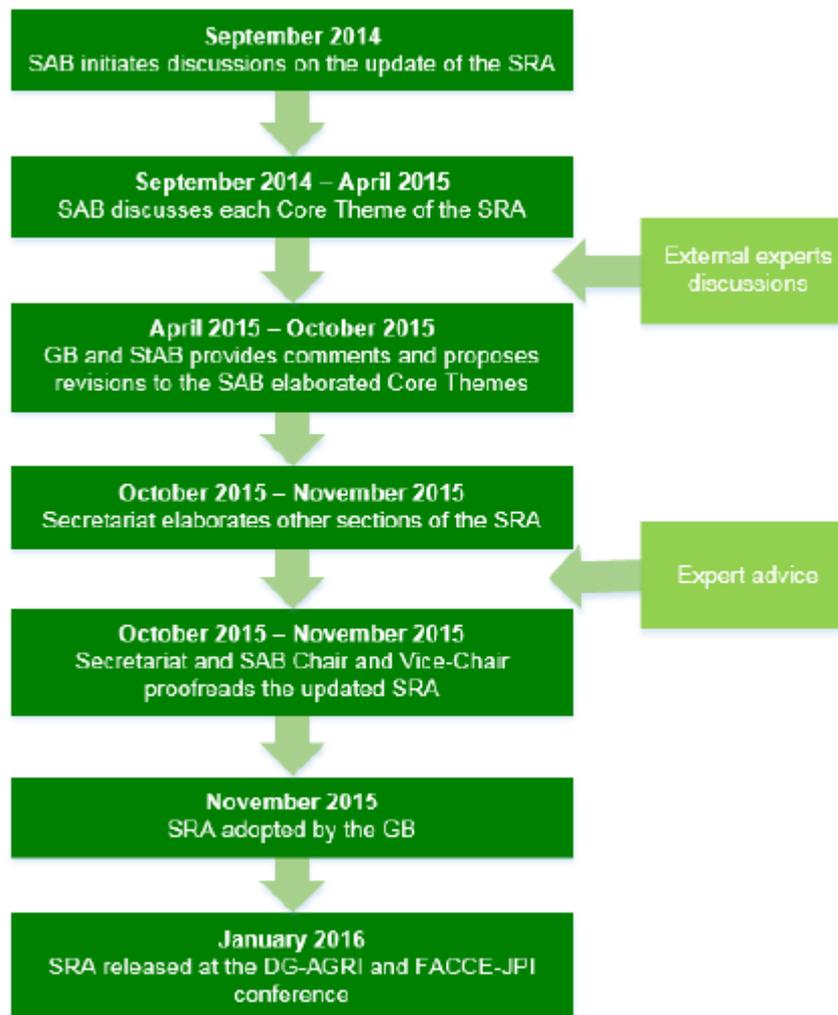


FROM A COMMON STRATEGIC RESEARCH AGENDA TO JOINT RESEARCH ACTIONS



FACCE-JPI activities contributing to the development of SRA in 2012 and its update in 2015

UPDATE OF SRA IN 2015 - METHODOLOGY



Overview of activities contributing to SRA update in 2015

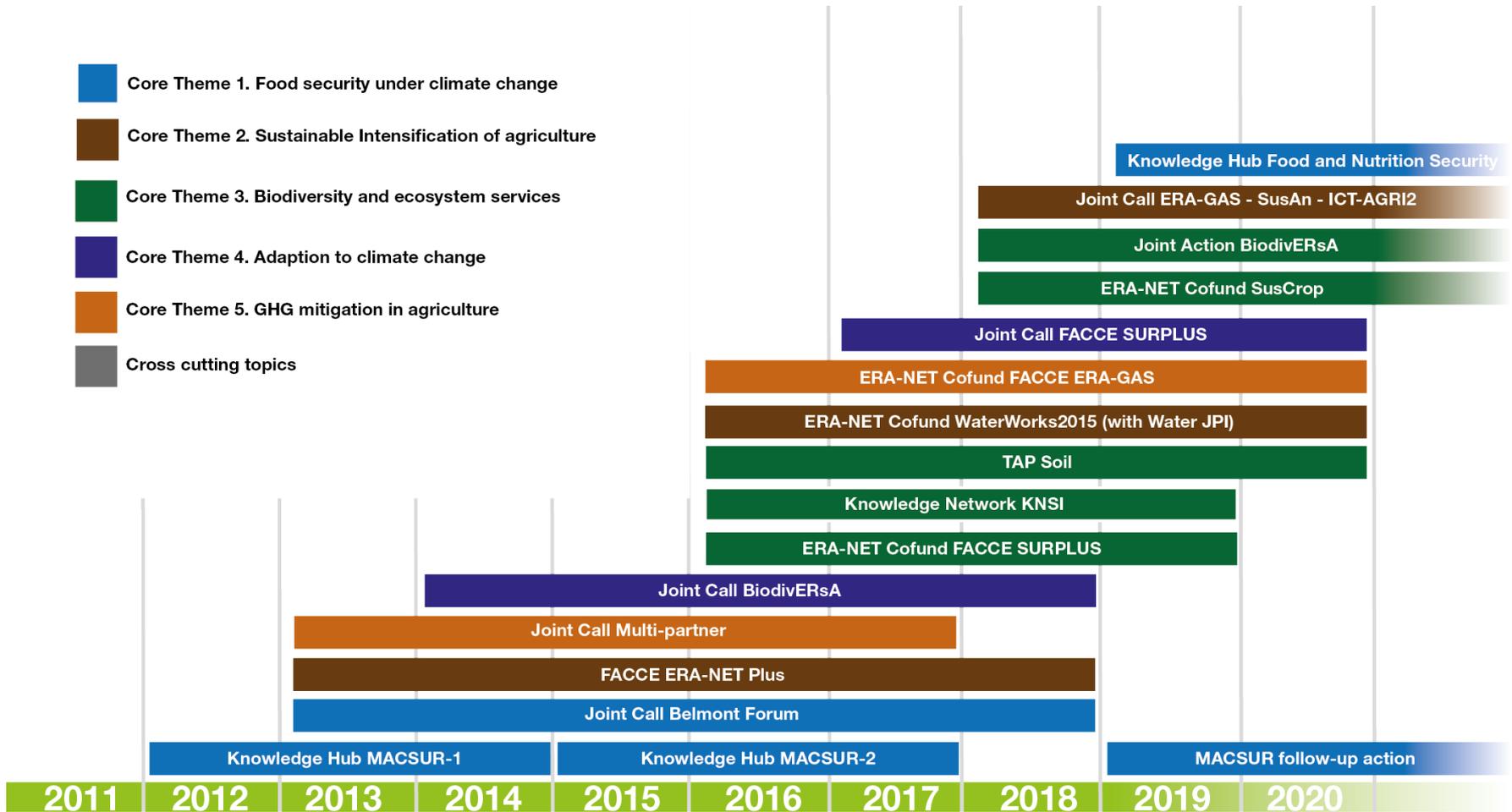
CORE THEME 5: MITIGATION OF CLIMATE CHANGE

This core theme includes:

- Contributing to reductions and removals of GHG emissions through carbon sequestration, substitution of fossil-based energy and products, and mitigation of N₂O and CH₄ emissions by the agriculture and forestry sectors, while reducing the risk of GHG emissions associated with indirect land use change;
- Developing cost effective monitoring and verification methodologies of field, animal and farm scale GHG budgets, possibly including indirect land use and cradle to grave life cycle;
- Developing verifiable GHG mitigation and carbon sequestration measures in farming systems;
- Developing technologies and methods to substitute fossil-fuel energy through increased use of biomass and other renewable energies in the agriculture sector also ensuring climate resilient sustainable agriculture for food and non-food systems without jeopardising food security.

OVERVIEW OF JOINT ACTIONS

Long running activities



OVERVIEW OF JOINT ACTIVITIES

Workshops & Conferences

2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Mapping Workshop	Mapping Workshops	Mapping Workshops	Mapping/scoping Workshops	High Level Conference Nutrition Security - Joint Event with JPI HDHL	Mapping/scoping Workshops	Exploratory Workshop Emerging Technologies	Mapping/scoping Workshops	Exploratory Workshop Coordinating Policies	
	High Level Conference ESOF2012	High Level Conference FACCE-JPI 3 years	Exploratory Workshop Animal Health/ Diseases and GHG Mitigation		High Level Conference DG-AGRI - pre-event International Soil Research	Exploratory Workshop Big data	Joint Workshop SCAR-JPIs	Exploratory Workshop Genotyping/ Phenotyping Livestock	
			Exploratory Workshop Food Security		Exploratory Workshop Genotyping/ Phenotyping Crop Production	Valorisation Workshop (pilot)	High level conference FACCE-JPI GRA	Exploratory Workshop Urban Agriculture	
							Valorisation Workshop	Exploratory Workshop Novel Breeding Techniques	
								Valorisation Workshop	



JOINT ACTIONS IN CORE THEME 5

ERA-NET Cofund for Monitoring and Mitigation of Greenhouse gases from Agri- and Silvi-culture (FACCE ERA-GAS)

- To strengthen the transnational coordination of research programmes and provide added value to research and innovation on GHG mitigation. ERA-GAS covers aspects of monitoring and mitigation of agricultural GHGs and economic and policy measure.

Joint Call between FACCE ERA-GAS ERA-NET, SusAn ERA-NET, and ICT AGRI 2 ERA-NET

- Novel technologies, solutions and systems to reduce GHG emissions in animal production systems, including feed chain, manure management, nitrogen excretion and integrated approaches to animal production systems with respect to GHG emissions.



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FACCE JPI Strategic Research Agenda

Revised edition, 2016

www.faccejpi.com



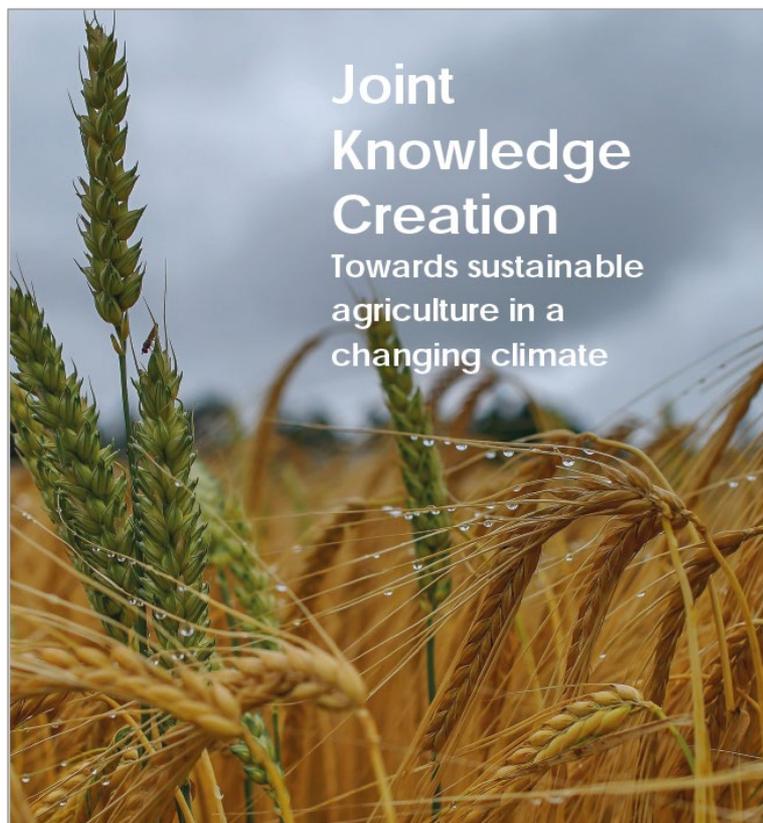
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FACCE JPI Implementation Plan

2016 – 2018

www.faccejpi.com



Joint Knowledge Creation

Towards sustainable agriculture in a changing climate



Joint Programming Initiative on Agriculture, Food Security and Climate Change

INTERVIEW

John Bell: 'FACCE-JPI can bring the bioeconomy forward'

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IMPACT STORY

Collaboration opens new opportunities for a climate-smart agriculture

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ACTIONS THAT MATTER

Coordinated actions to support policies and management

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SOILS MANAGEMENT UNDER CLIMATE CHANGE MITIGATION

AGRICULTURAL PRACTICES HAVE A KEY ROLE IN THE INTERNATIONAL CLIMATE CHANGE AGENDA

UPDATE OF SRA in 2020 – Activities to date

- GB members presented national priorities at the March 2018 GB meeting
- Following an initial clustering exercise, broad research themes based on these priorities were identified.
- A proposal for FACCE-JPI derived missions prepared by the Scientific Advisory Board (SAB), with input from the Stakeholder Advisory Board (StAB), was also presented to the GB at that meeting.
- SAB had their first discussions on the update of the FACCE-JPI Strategic Research Agenda (SRA) in the context of missions and on the remit of FACCE-JPI.
- GB was asked to complete a questionnaire to gather GB viewpoints on the current SRA and FACCE-JPI's future direction, and to gather opinions on questions raised by the SAB.

UPDATE OF THE SRA – Activities to date

- The Secretariat presented the first analysis of the outcomes of the GB questionnaire to the SAB at their meeting in April 2018.
- Based on the GB input and on the previous discussions of the SAB, the SAB proposed revision to FACCE-JPI's vision and prepared a proposal for the structure of the SRA for GB's consideration.
- StAB discussed SAB input on remit plus vision at their meeting in May 2018

UPDATE OF THE SRA – Activities to date

Updated vision of FACCE-JPI

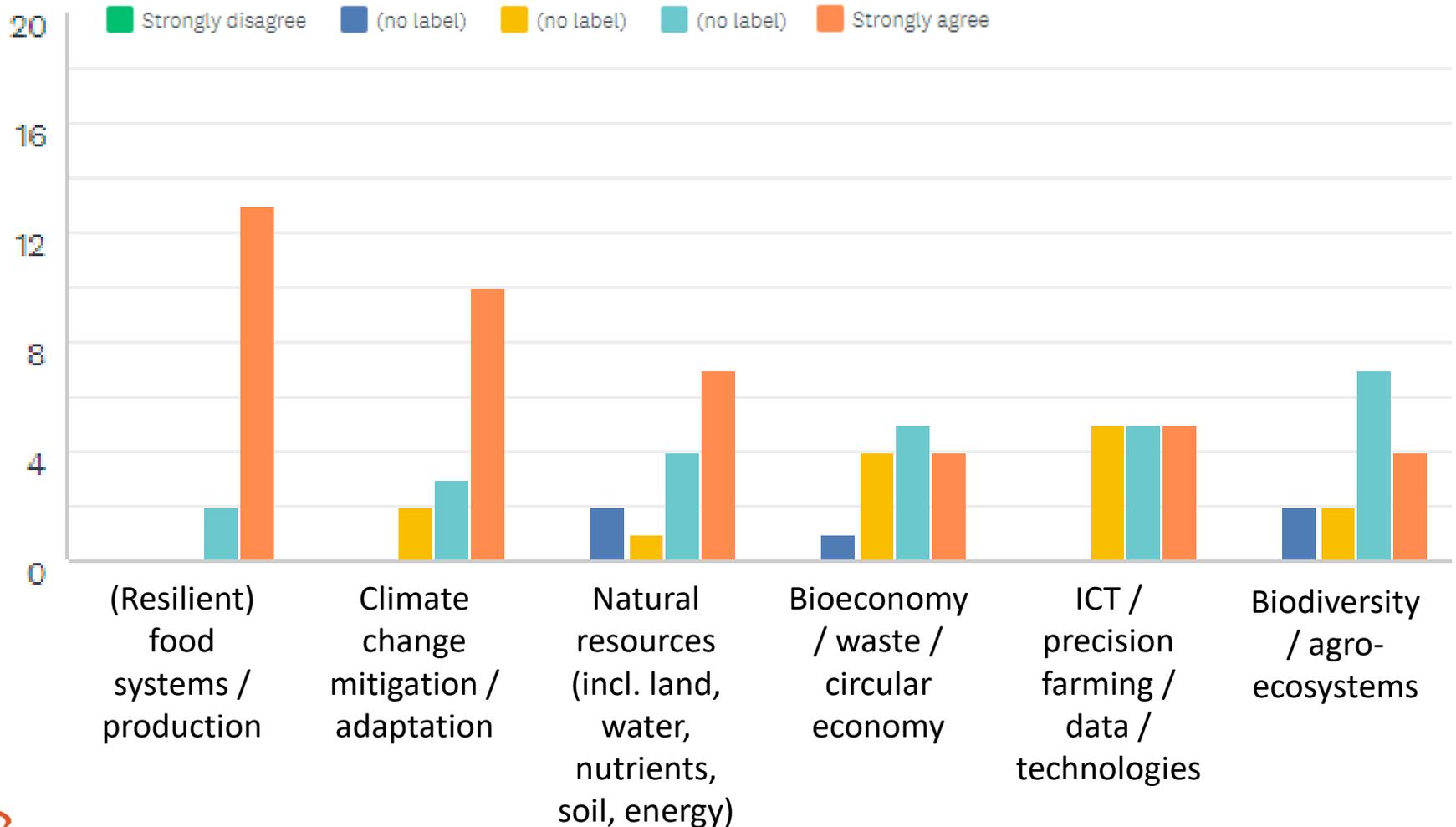
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UPDATE OF THE SRA – Activities to date

- In November 2018, the Governing Board discussed the update of the SRA, including outcomes of the GB questionnaire, SAB's proposal and issues surrounding the emerging discussions about the simplification of the partnerships landscape in Horizon Europe.
- The Governing Board recommended having further discussions within a long term self-sustainability working group of FACCE-JPI to discuss the future direction and orientation of FACCE-JPI, so as to inform the next steps in update of the SRA.
- The long term self-sustainability working group fed back to the Governing Board meeting in March 2019, where options for partnerships and contributions to missions were presented and discussed. These options were further discussed in May and will be taken into account when preparing the SRA.

Major themes

Major themes to be addressed in FACCE-JPI, according to national priorities



UPDATE OF THE SRA – Ongoing activities

The discussions on the next steps are currently ongoing:

- Governing Board focussing on FACCE-JPI's future orientation (mainly missions and partnerships)
- Scientific Advisory Board exploring Strategic Research (and Innovation) Agendas of various relevant initiatives
- Stakeholder Advisory Board exploring valorisation of FACCE-JPI outputs.



FACCE-JPI's AMBITIONS FOR THE FUTURE

Greater focus on actions which provide solutions and impacts, strengthening the exchange with stakeholders, practitioners and industry as well as international outreach

- Play a central role in tackling the challenges on the coordination of national R&I-efforts
- Build and expand the FACCE-JPI portfolio of joint research actions
- Contribute to the UN Sustainable Development Goals and also EU policy such as Food 2030.
- Continue to show impact and added value
- Build on its strong relationship with the European Commission, in particular DG-RTD and DG-Agri



Thank you
for your
attention!



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