

# Europe 2020 strategy and Innovation linked to the Common Agricultural Policy

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# Challenges and Opportunities



**Habitats  
Biodiversity**

**Culture  
and Values**



**Climate Change**



**Food**



**Energy  
Fibre**



**Rural  
Economy**

**Economic  
Viability**



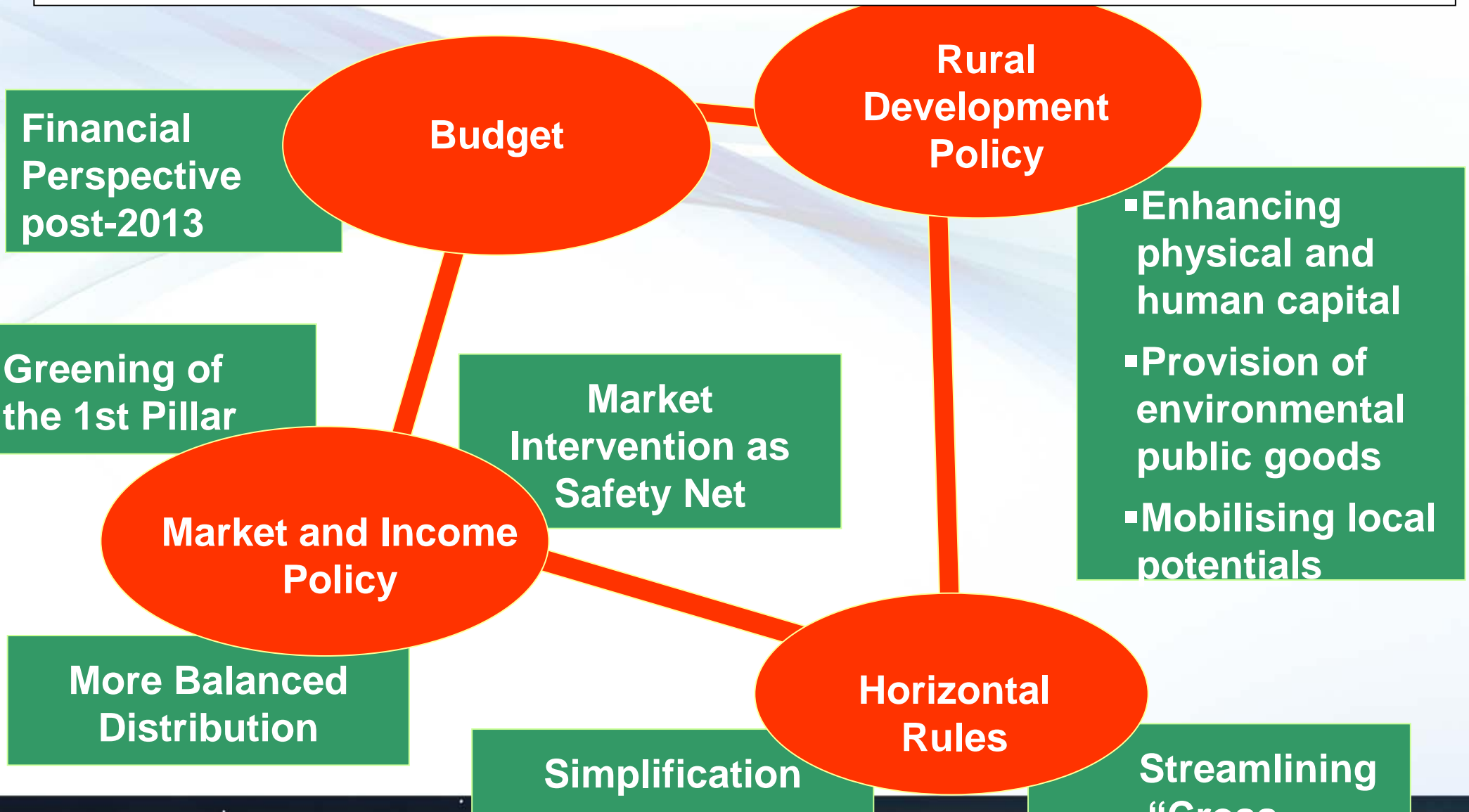
**Resource-  
management**



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# The Main "Construction Sites" of the CAP



## *Perspectives for Europe 2020*

- **Green Growth**
- **Inclusive Growth**
- **Smart Growth**



# *Perspectives for Europe 2020*

- **Green Growth**
- **Inclusive Growth**
- **Smart Growth**



## ***,Green' CAP Measures***

- **Cross compliance: linking direct payments to mandatory standards (sanctioning mechanism)**
  - **New ,green' measures: permanent pasture, crop rotation, ecological priority areas, Natura 2000 support (eligibility criteria)**
- 
- **Investment into physical and human capital (resource efficiency)**
  - **Agri-environment measures (paying for “public goods”)**
  - **Support for Sustainable land management areas with natural disadvantages**
  - **Support for implementing Natura 2000 and Water Framework Directive**

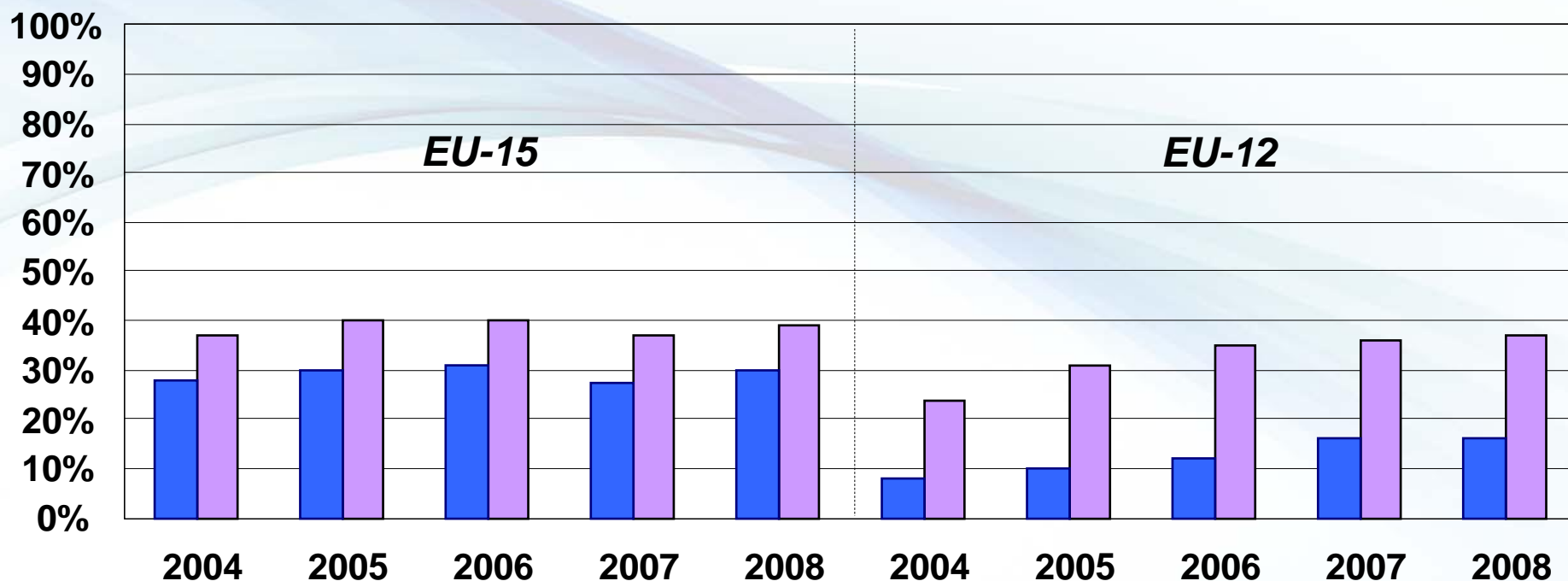


## *Perspectives for Europe 2020*

- **Green Growth**
- **Inclusive Growth**
- **Smart Growth**



## Direct Payments as a proportion of Farm Income



- Direct Payments as a proportion of farm income
- All CAP support as a proportion of farm income

Source: European Commission – DG AGRI



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## *Perspectives for Europe 2020*

- Green Growth
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## ***Societal Challenge: “Achieving More from Less”***

### **Prospect:**

**Increasing food demand (FAO: 70% increase by 2050)**

**Increasing land use competition (bio-mass, bio-energy, nature conservation) and climate change**

### **Response:**

**Increasing productivity while ensuring sustainable resource management (focus on land) and preserving the environment**

**Substituting primary production through recycling, reduction of post-harvest loss, and new products**

### **Requirements:**

**Major investment into research and innovation**

**Faster transfer of knowledge from research to practical farming and ensuring feedback on practical needs to science**



## ***Focus on Innovation-related Measures: A proposal for a European Innovation Partnership Agricultural Productivity and Sustainability***

### **Rural Development Policy stimulating innovation:**

**Knowledge transfer**

**Cooperation measures (including pilot and demonstration projects)**

**Farm Advisory Services**

**Investment in physical assets**

### **Synergies with EU Research Policy:**

**Horizon 2020 Challenge: Food security, sustainable agriculture & bio-based economy**

**Joint Programming Initiative 'Agriculture, food security and climate change'**

**Member State co-operation in the European Research Area (ERA-NET)**

**European Technology Platforms (e.g. Food for Life, Plants for the Future, etc)**

**SCAR (Standing Committee for Agricultural Research)**



## *Possible Themes*

Increasing productivity, resource efficiency, and sustainable resource management

Eco-system services and soil functionality (productive capacity, carbon sequestration, water retention, biodiversity)

Innovative technology Innovation in support of the bio-based economy

Sustainability of supply chain through innovation in products and services

Food quality, food safety, and healthy lifestyles (consumer information and consumer choice)



## *Roadmap*

Pilot EIP on “Active and Healthy Ageing” has started. Paper on “lessons learned” presented in September 2011

Further candidate EIPs being developed: sustainable agriculture, raw materials, water, and smart cities

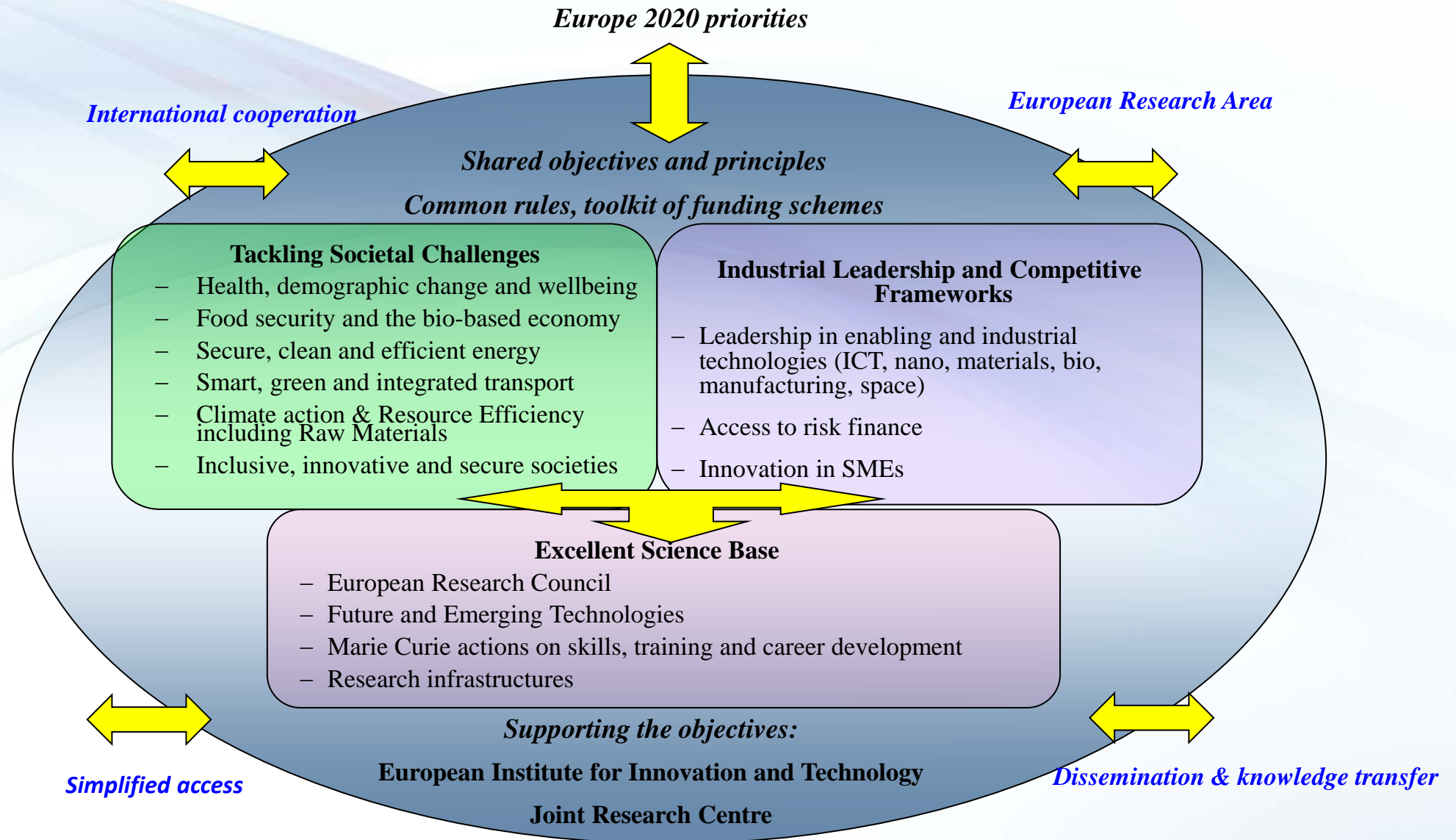
Communication to the European Parliament and the Council envisaged for adoption by the Commission in November 2011

Following endorsement by Council and European Parliament, establishment of Steering Board during first trimester of 2012

EIP network, supporting the implementation of the agricultural EIP, to be set-up in the second half of 2012



# Horizon 2020 – Objectives and structure



# 2. FACCE-JPI



Source: FAO.

# Joint Programming

- Benefits of research are not optimised due to compartmentalisation of public research funding in the EU
- Aligning national programmes to minimise duplications, bring critical mass, best use limited financial resources
- Identify national priorities and provide coherence between Member States
- New ways of working together



# A quick start: how?

## 2010:

- 20 Member and Associated States having formally committed to this JPI (entry fee)
- Interim governance adopted
- Election of members of Scientific Advisory Board
- Scientific Research Agenda adopted (available on web site)
- Website on line: [www.faccejpi.com](http://www.faccejpi.com)

## 2011:

- CSA (EU funding) has begun (research agenda, mapping, implementation, communication and coordination, future)
- Pilot action theme and instrument launched in July
- Work plan 2011 established



# 20 Participants in FACCE-JPI

- Austria
- Belgium
- Czech Republic
- Denmark
- Estonia
- Finland
- France
- Germany
- Ireland
- Israel
- The Netherlands
- Norway
- Poland
- Romania
- Spain
- Sweden
- Switzerland
- Turkey
- UK



EC + SCAR (observers)




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*Update 14/09/2011*

<b>ON-GOING CWGs</b>	<b>Coordinator</b>	<b>SCAR countries</b>	<b>Kick-off meeting</b>	
Integrated pest management for the reduction of pesticide risks and use – IPM	FR	18	13/05/2011	
Eur. transnat. Research Coop. Forest value chain in the light of climate change – ERCF	AT-DE	12	3-4/05/2011	
Agriculture Knowledge and Innovation Systems - AKIS	FR-NL	16	4/05/2010	
Risk Research on GMOs	AT	15	13/10/2009	
Development of Sustainable Agriculture in the Baltic Sea Region	PL	8	17/11/2006	
<b>CWGs leading to ERA-Nets</b>	<b>Coordinator</b>	<b>SCAR countries</b>	<b>Kick-off meeting</b>	
Sust. food production for wealth, welfare and health <i>nego</i> )	<i>ERA-NET “SUSFOOD” (in</i>	DK	17	6/05/2010
Coordinated research agenda for EU rural policy	<i>ERA-NET “RURAGRI”</i>	SE - NL	7	23/11/2006
Agriculture and Sustainable Development	<i>ERA-NET “RURAGRI”</i>	FR	11	6/12/2005
ICT and Robotics in Agro-Food Industries	<i>ERA-NET “ICT-AGRI”</i>	DK	11	1/09/2005
Relevant Issues for Mediterranean Agriculture	<i>ERA-NET “ARIMNet”</i>	FR	12	2/12/2005
Animal Health and Welfare <i>nego</i> )	<i>ERA-NET “ANIHWA” (in</i>	UK	21	8/12/2005
Animal Health	<i>ERA-NET “EMIDA”</i>	UK	21	8/12/2005
<b>STAND-BY or FINISHED CWGs</b>	<b>Coordinator</b>	<b>SCAR countries</b>	<b>Kick-off meeting</b>	
Shared Infrastructures in the field of Agricultural Research	FR	15	25/09/2008	
Climate Change and Agriculture	<i>included in the JPI “FACCE”</i>	ES	21	24/06/2008
Agriculture and Energy <i>nego</i> )	<i>supported by CSA “AGREE” (in</i>	DE	20	24/06/2008
Ecology for Ecosystems & Natural Resources Sustainable Management	FR	9	16/06/2006	

# Bioeconomy related ERA-Nets



**ARIMNET (MED)**  
<http://www.arimnet.net/>

**ICT-AGRI**  
<http://ict-agri.eu/>

**EMIDA (Animal Health)**  
[www.emida-era.net](http://www.emida-era.net)

**ACENET (APPLIED CATALYSIS)**  
[www.acenet.net](http://www.acenet.net)

**ERA Trans-Bio (biotech SMEs)**  
[www.eurotransbio.net/](http://www.eurotransbio.net/)

**BIOENERGY**  
[www.eranetbioenergy.net/](http://www.eranetbioenergy.net/)

**ERASysBio**  
[www.erasysbio.net/](http://www.erasysbio.net/)

**INDUSTRIAL BIOTECHNOLOGY**  
[www.era-ib.net/](http://www.era-ib.net/)

**BiodivERsA**  
[www.eurobiodiversa.org/](http://www.eurobiodiversa.org/)

**PLANTS GENOMICS**  
[www.erapg.org](http://www.erapg.org)

**NANOSCIENCES**  
[www.nanoscience-europe.org](http://www.nanoscience-europe.org)

**WoodWisdomNet**  
[www.woodwisdom.net/](http://www.woodwisdom.net/)

**ARD: Agricultural Research for Development**  
[www.era-ard.org/](http://www.era-ard.org/)

**CORE-Organic**  
[www.coreorganic.org/](http://www.coreorganic.org/)

**EUPHRESKO (Plant Health)**  
[www.euphresco.org/](http://www.euphresco.org/)

**MARIFISH**  
[www.marifish.net/](http://www.marifish.net/)

**SAFEFOODERA**  
[www.safefoodera.net/](http://www.safefoodera.net/)

**ERA-ARD II**

**CORE-ORGANIC II**

**RURAGRI**



Farm Animal Breeding

[www.fabretp.org](http://www.fabretp.org)



<http://etp.ciaa.be>

[www.suschem.org](http://www.suschem.org)



Industrial biotechnology

European Aquaculture



[www.eatpnet.eu](http://www.eatpnet.eu)

**European Technology Platforms (ETPs) to close the innovation gap**



[www.biofuelstp.eu](http://www.biofuelstp.eu)



Agriculture Engineering Technologies

[www.manufuture.org](http://www.manufuture.org)



[www.forestplatform.org](http://www.forestplatform.org)



Plants for the Future



<http://www.tporganics.eu/index.php/home.html>

Global Animal Health

[www.ifah.be/Europe/EUPPlatform/Platform.htm](http://www.ifah.be/Europe/EUPPlatform/Platform.htm)

[www.epsoweb.org](http://www.epsoweb.org)



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**Thank you for your attention!**



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