

Agricultural research and innovation – AGRI's approach

CDG CAP
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Agriculture
and Rural
Development



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1. Few facts on European agricultural research

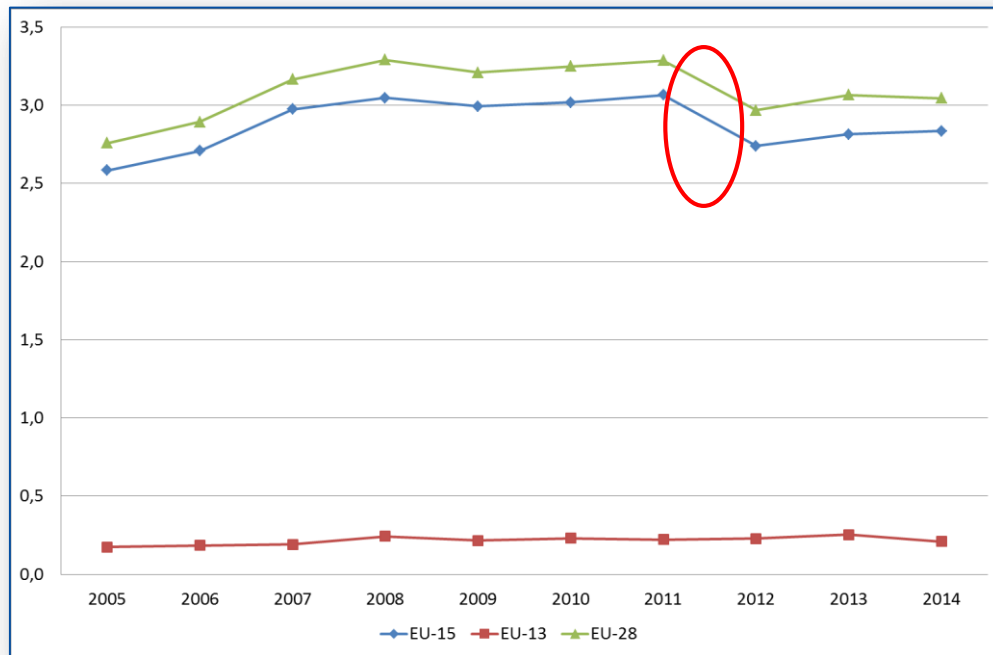
2. The European Innovation Partnership (EIP-AGRI)

3. The long-term approach to agricultural research and innovation



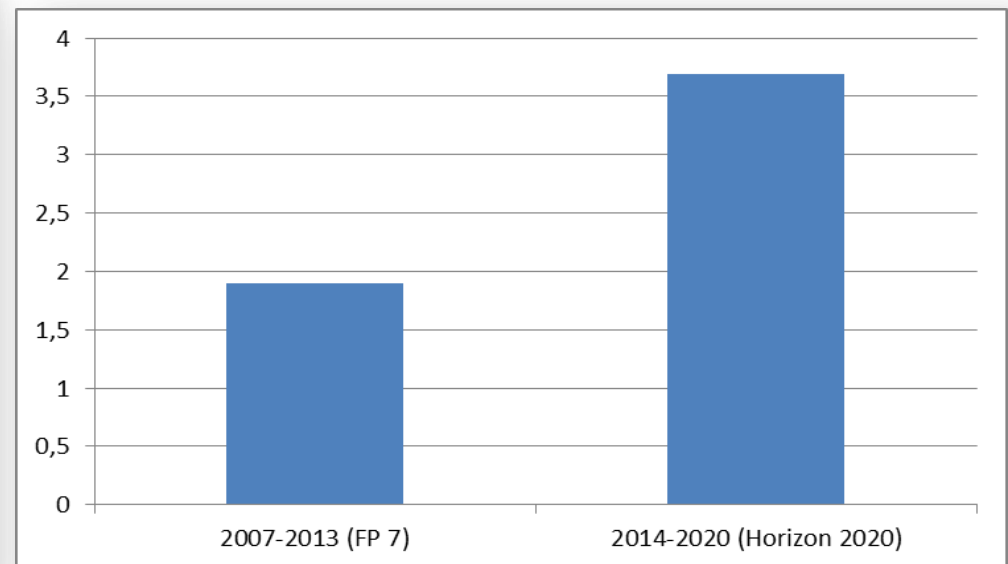
Recent evolutions in agricultural research public investments

Decreasing Member States spending (bio €) (GBAORD) - Eurostat



- Budget cuts in several Member States (but increases in some)
- Recurrent down, competitive up

... Not compensated by increasing EU spending (bio €) in the Framework Programme (figures for the whole bioeconomy)



EU Framework programme:
about 10% of MS investments
in research

Horizon 2020



1. Health, demographic change and wellbeing

2. Food security, sustainable agriculture and forestry, marine and maritime and inland water research and the bio-economy
(€3.8 billion 2014-2020)

3. Secure, clean and efficient energy

4. Smart, green and integrated transport

5. Climate action, resource efficiency and raw materials

6. Inclusive, innovative and reflective societies

7. Secure societies



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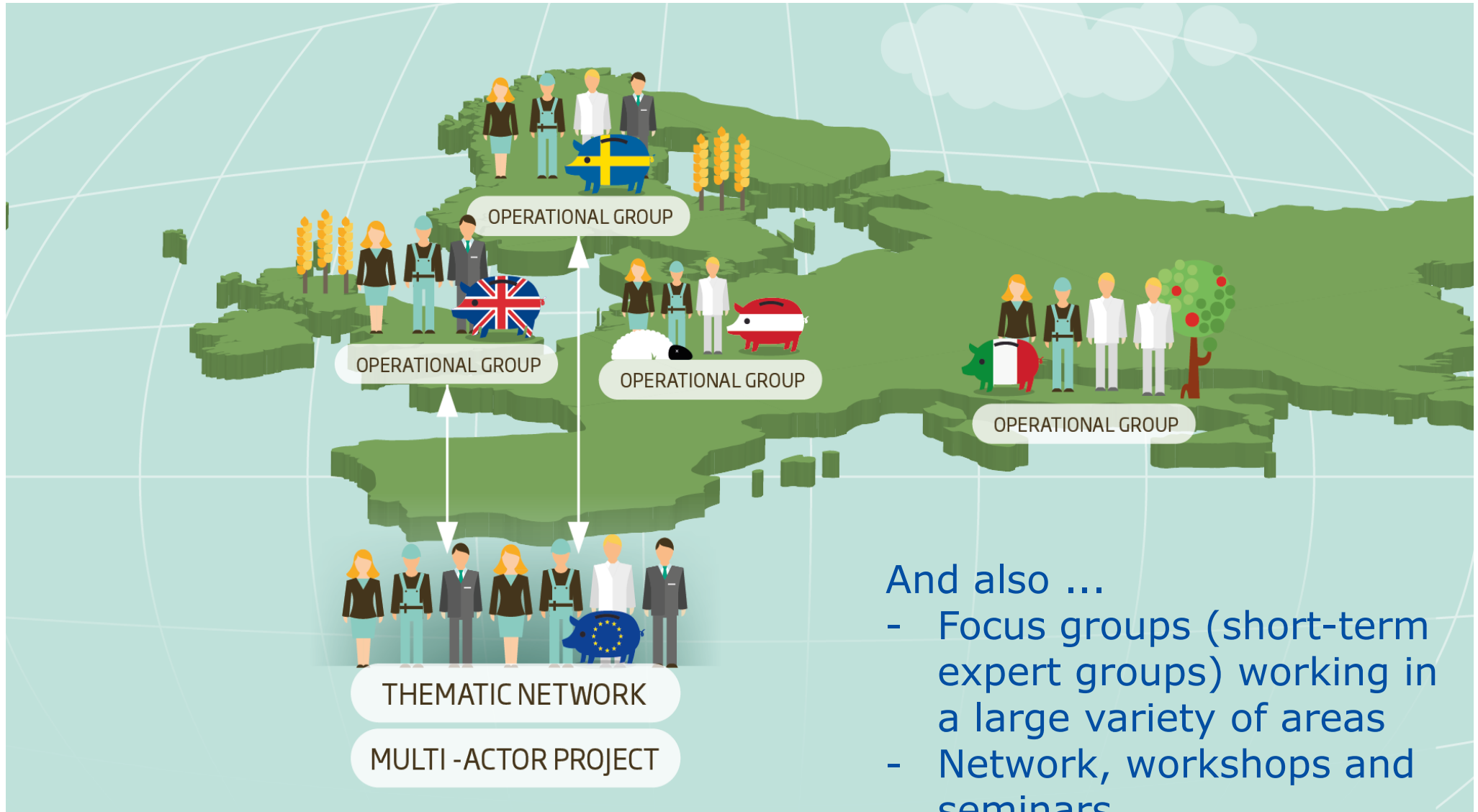




The European Innovation Partnership

- *Implements the **interactive innovation** approach which aim to involve all actors in a process of co-creation of knowledge*
- ***Rests on two EU policies:** the Common Agricultural Policy (CAP) and the Framework Programme for research and innovation (Horizon 2020)*
- *Contribution of the **CAP**: innovation projects at local level, support to the AKIS (support to advisory services, etc.)*
- *Contribution of **Horizon 2020**: multi-national research and innovation projects; networking at EU level on R&I matters*

The European Innovation Partnership



And also ...

- Focus groups (short-term expert groups) working in a large variety of areas
- Network, workshops and seminars



With the EIP innovation is embedded into the Rural Development pillar of the CAP

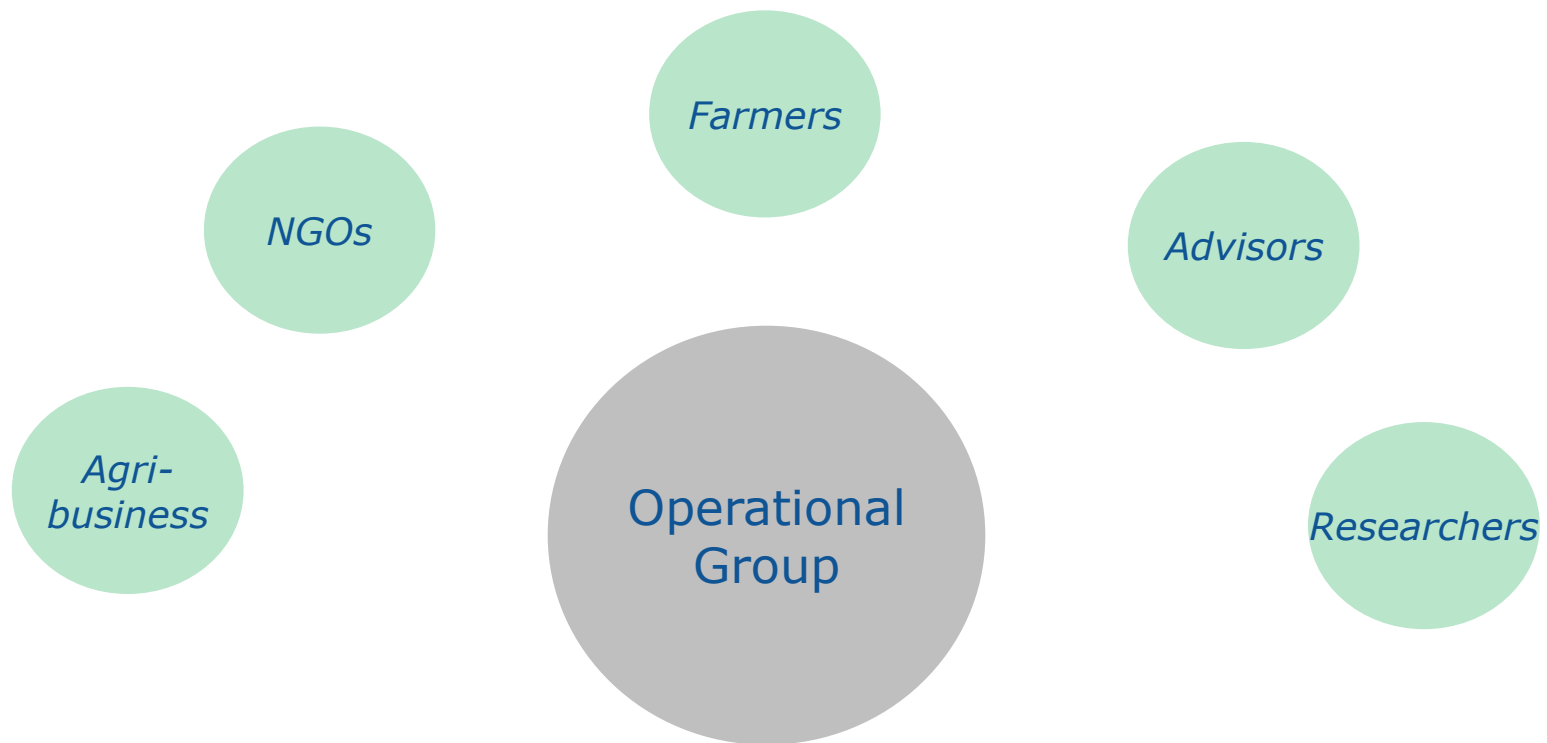
Innovation
operational groups

Dissemination
EIP network,
support to advice,
training

Implementation
support to
investment, etc.



Rural Development - Operational Groups -





Operational groups (cont.)

- *Operational Groups to be implemented by the vast majority of Member States and regions*
- *More than 3 200 OGs planned (2014-2020)*
- *Size of project ranging from €30 000 to €1.5 mio – average of €180 000*
- *Operational groups have an obligation to report on results so as to make generated knowledge accessible to others*



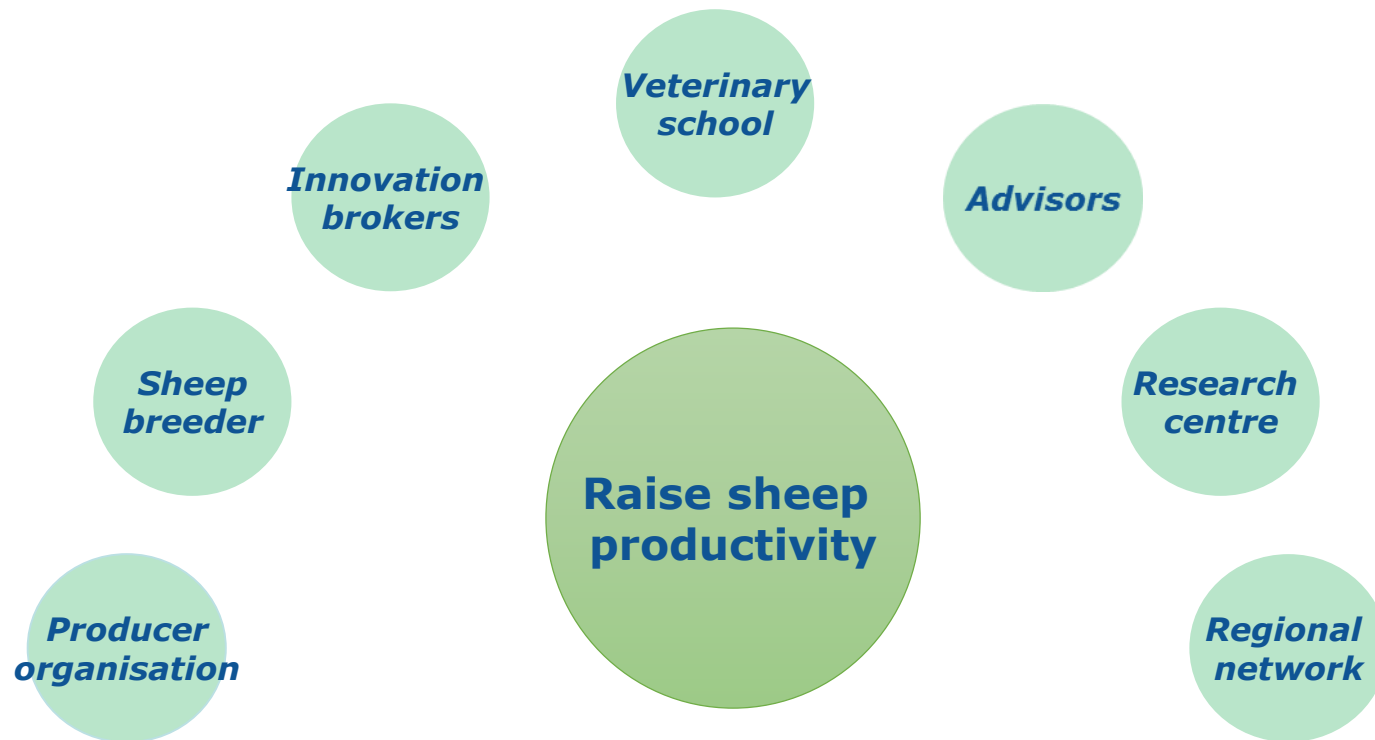
First Operational Groups are being set up ...

some examples

- Establishing a sustainable and environment friendly wheat value chain (Germany)
- Farina Girona (common wheat varieties for artisan bread making) (Spain)
- FruitNet (control of *Monilinia* spp. In stone fruits) (Spain)
- Organic dock control (Austria)
- Robust lamb in Pyrénées (France)
- Water saving in rice cultivation (Spain)
- Winter harvest: seasonal, energy extensive and innovative vegetable production (Austria)
- Zero herbicides in Mediterranean perennial crops (France)



Example of Operational group: Robustagno

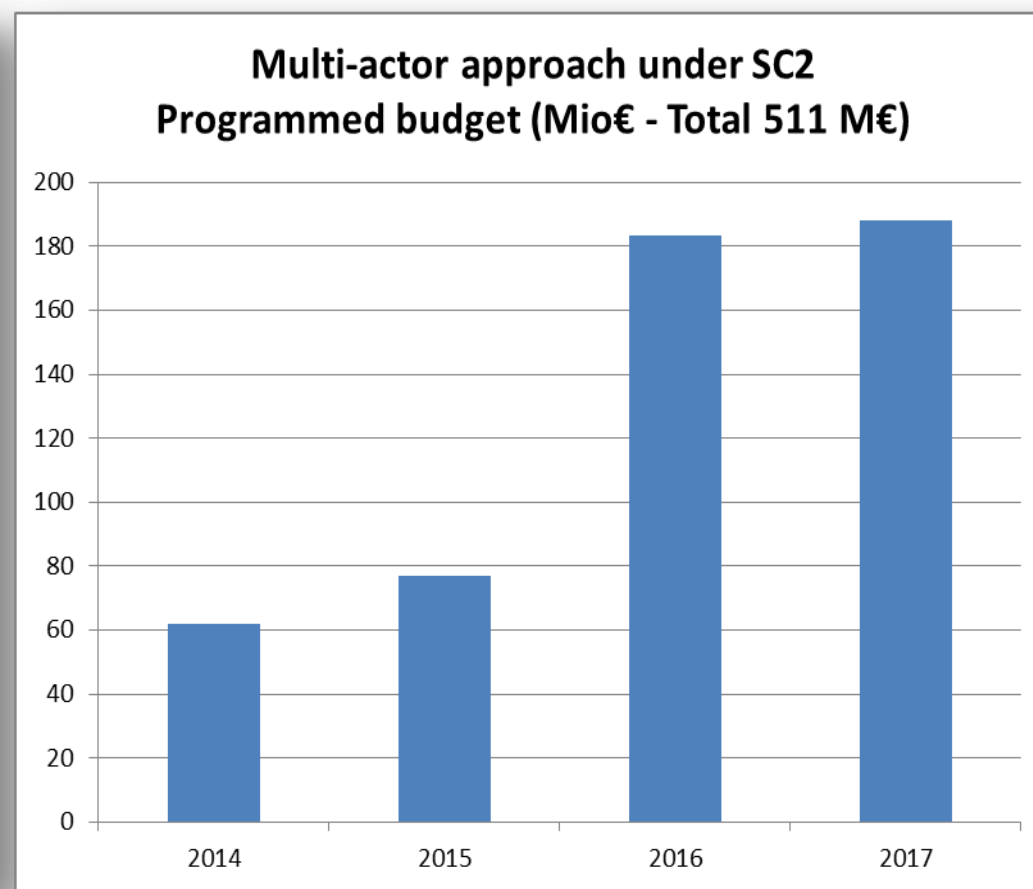
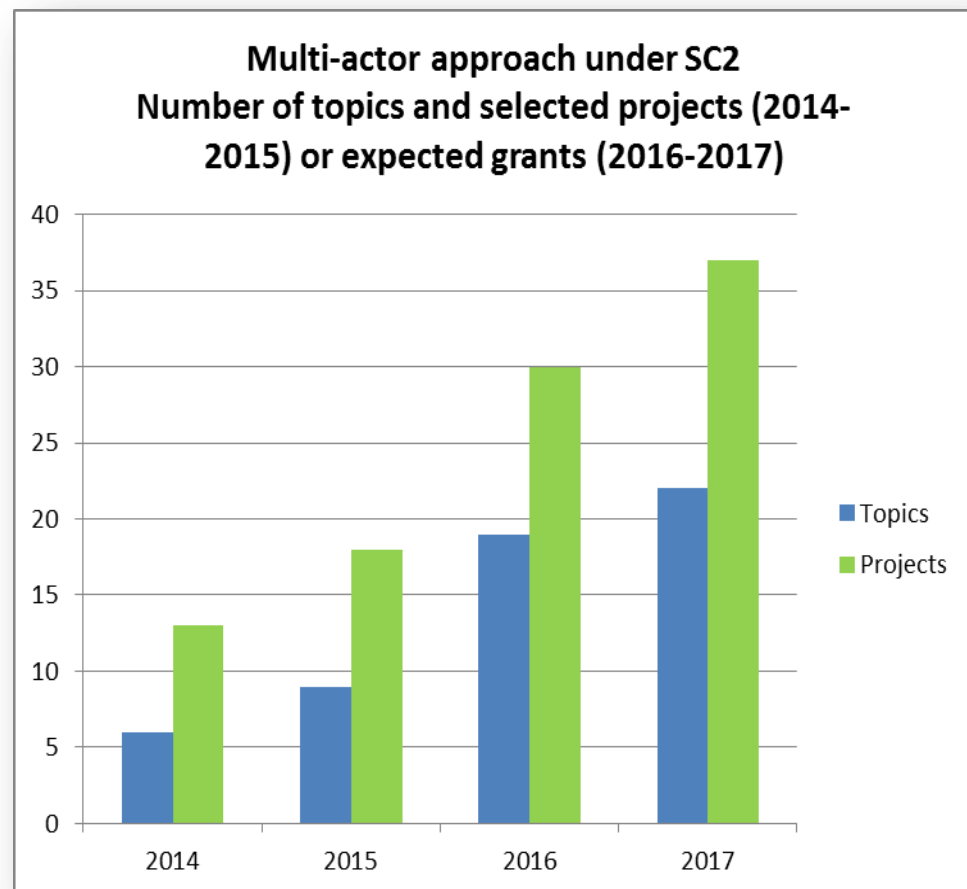




Horizon 2020: our approach toward research and innovation

- *Horizon 2020 projects: from €1-2 mio (coordination actions) to ... €45 mio (European joint programme on Zoonoses)*
- *International Cooperation: bilateral (e.g. with China) and multilateral (e.g. international research consortium Star-Idaz on animal health)*
- ***Multi-actor projects:*** *seek involvement of actors in project activities (for all or part of project activities)*
- ***Thematic networks*** *to foster knowledge exchange on specific issues at the European level*

Multi-actor approach in Horizon 2020 topics/projects



Depending on the year, MAA projects represent 60 to 80% of all projects



Thematic network

- *Objectives targeting needs of end-users: key wine diseases representing threat for economic viability of the whole sector (grapevine trunk disease; Flavescence dorée);*
- *Many winegrowers are testing innovative sustainable approaches to fight these diseases*
- *Multi-actor approach: collect data and discuss through a network of facilitator agents, regional technical working groups and a European scientific working group*
- *Many knowledge exchange activities and bottom-up interactive processes*
- *Consortium= 11 partners from science, advisory and practice*



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Why a long-term research strategy?

- Numerous calls for strategic long-term approach: SCAR, FP7 ex-post evaluation, etc.
- Challenges are long-term and research takes time:
- Need for continuous investment to cope with major challenges in the long-run (as opposed to more *ad hoc* programming)
- Need for synergies with other research funders in and out the EU

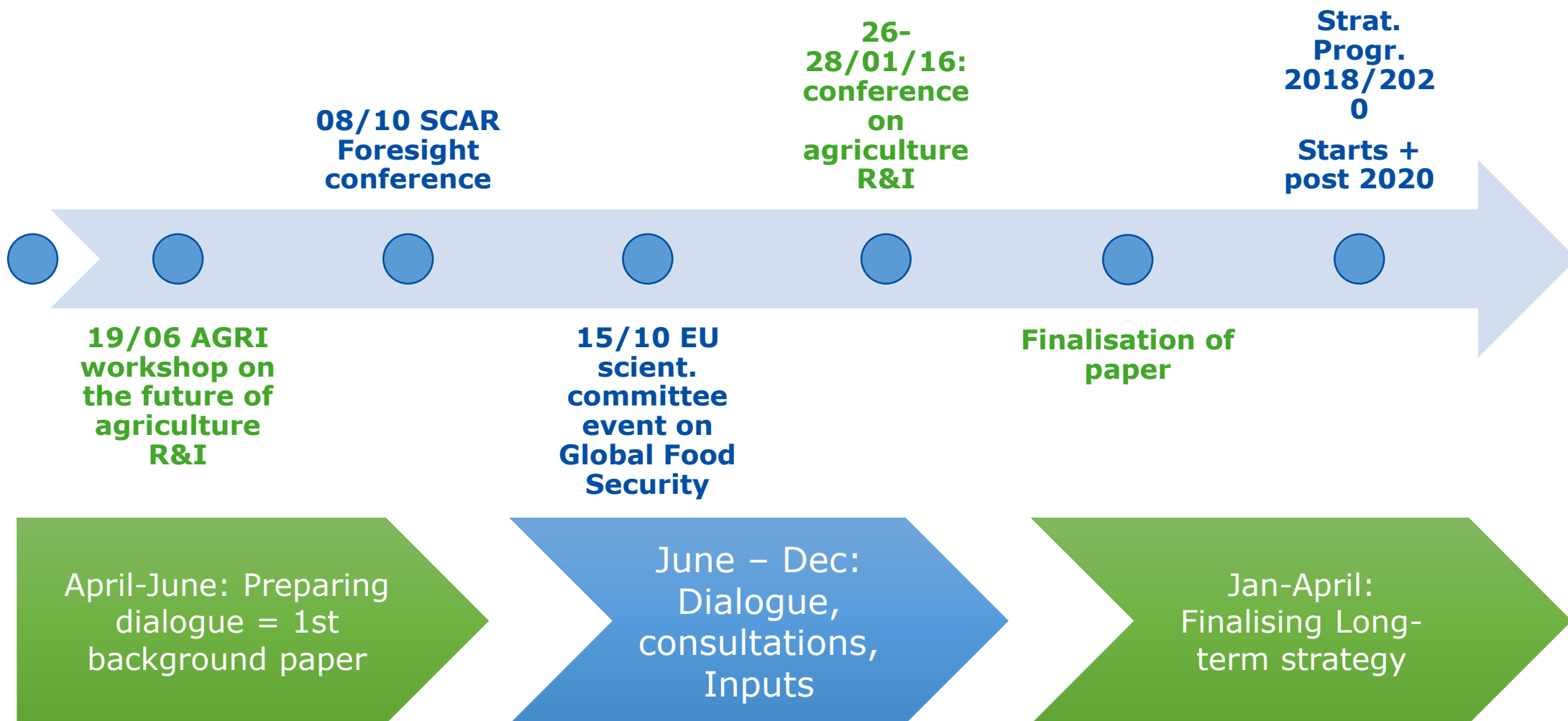


A long-term strategy will improve consistency, efficiency and impact

- Better articulation of research policy with CAP and other EU policies (climate, environment, energy, health, international development)
- Better articulation with activities of Member States
- Better use of various instruments: more impact
- Provide ground for continuity (avoid forestry disappearing in FP 6)
- Enhance the role of Europe as a key global player in a field on which attention is increasing (UN, G20 etc.)



Roadmap for the preparation of the strategy



Three chapters

Why?

- Challenges
- Links to policy

What?

- Cross-cutting issues
- Creating value from land: sustainable primary production
- Enhancing rural innovation

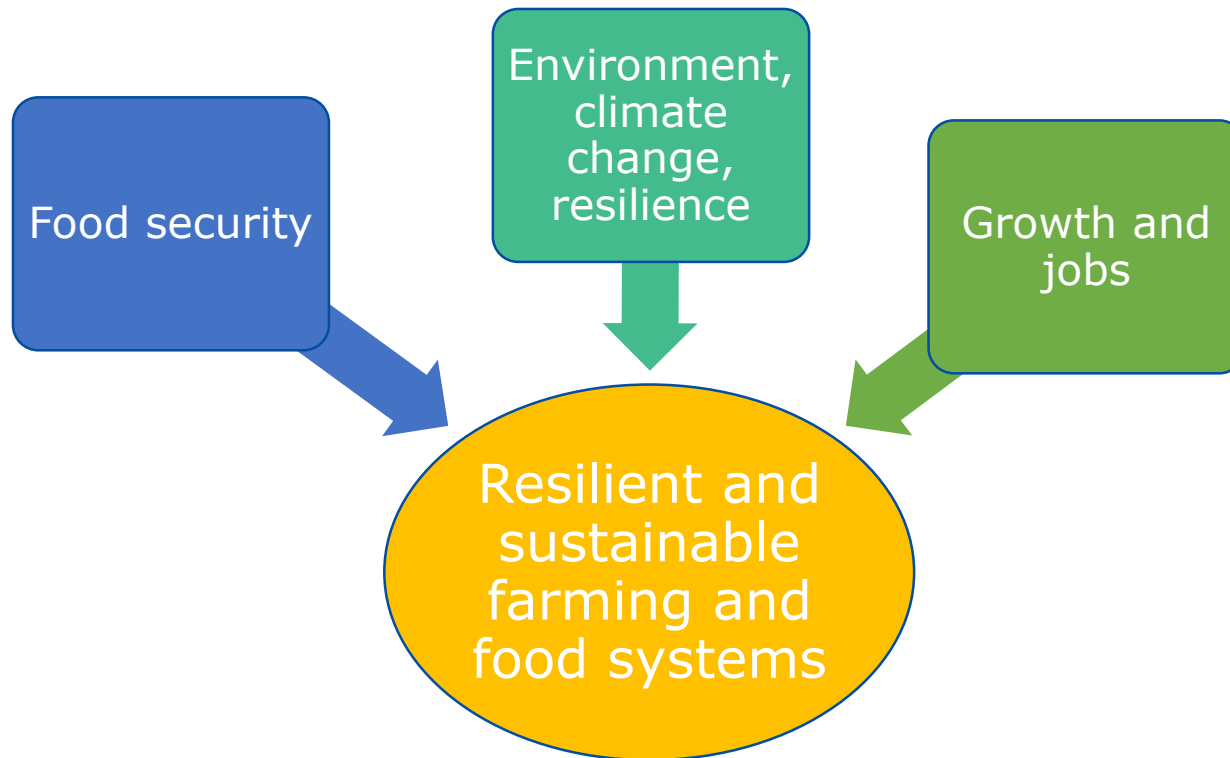
How?

- Six dimensions regarding implementation





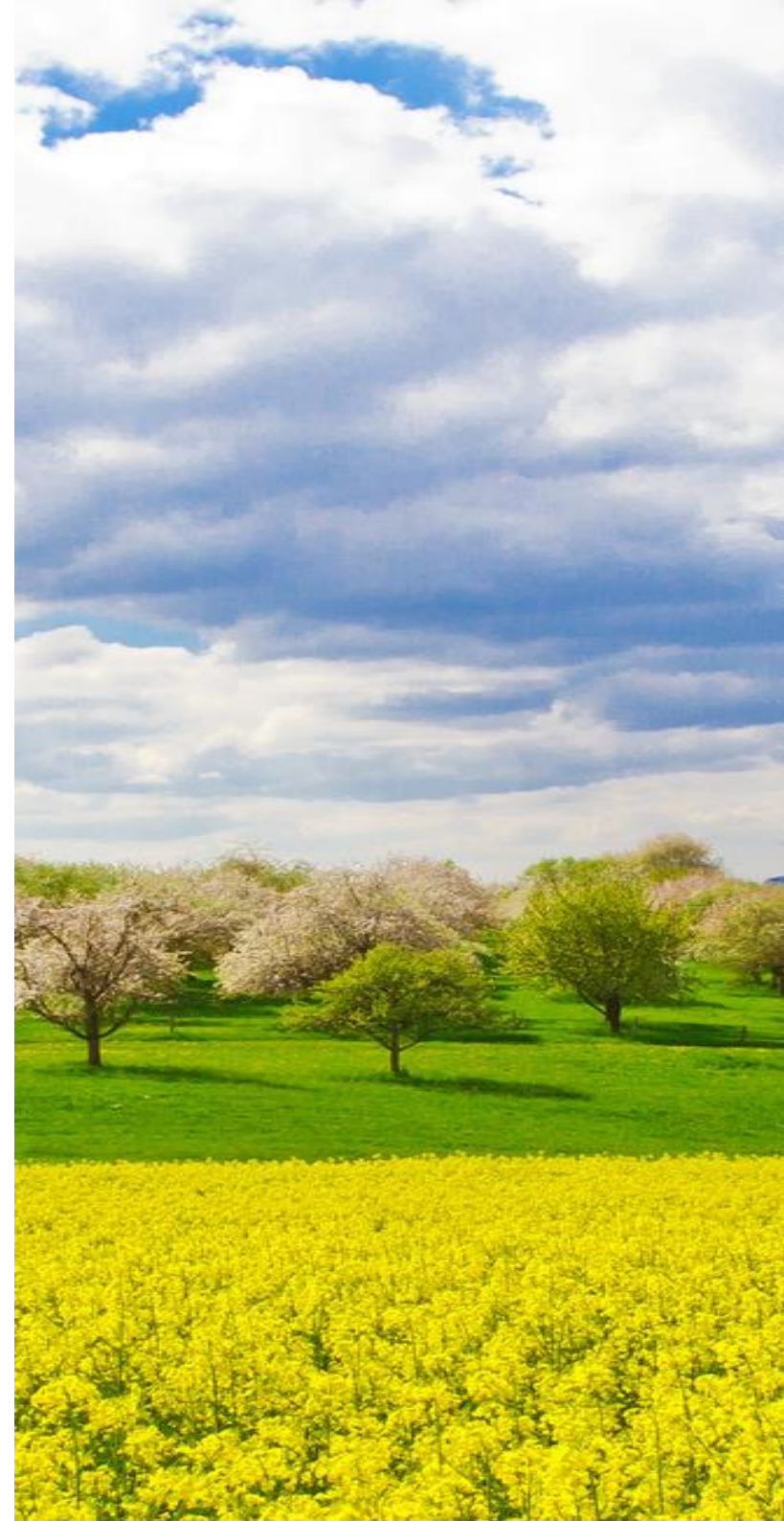
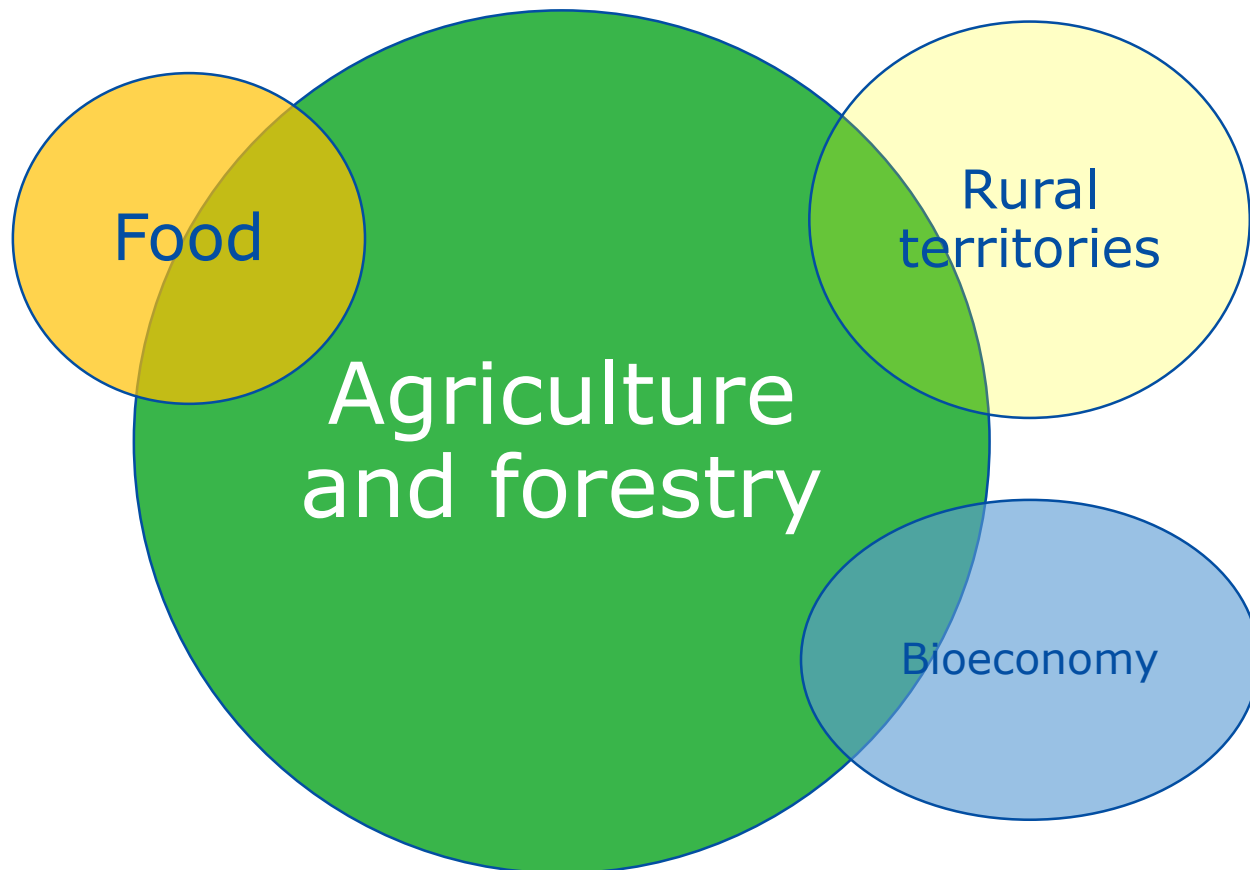
Challenges are long-term







Scope of the strategy

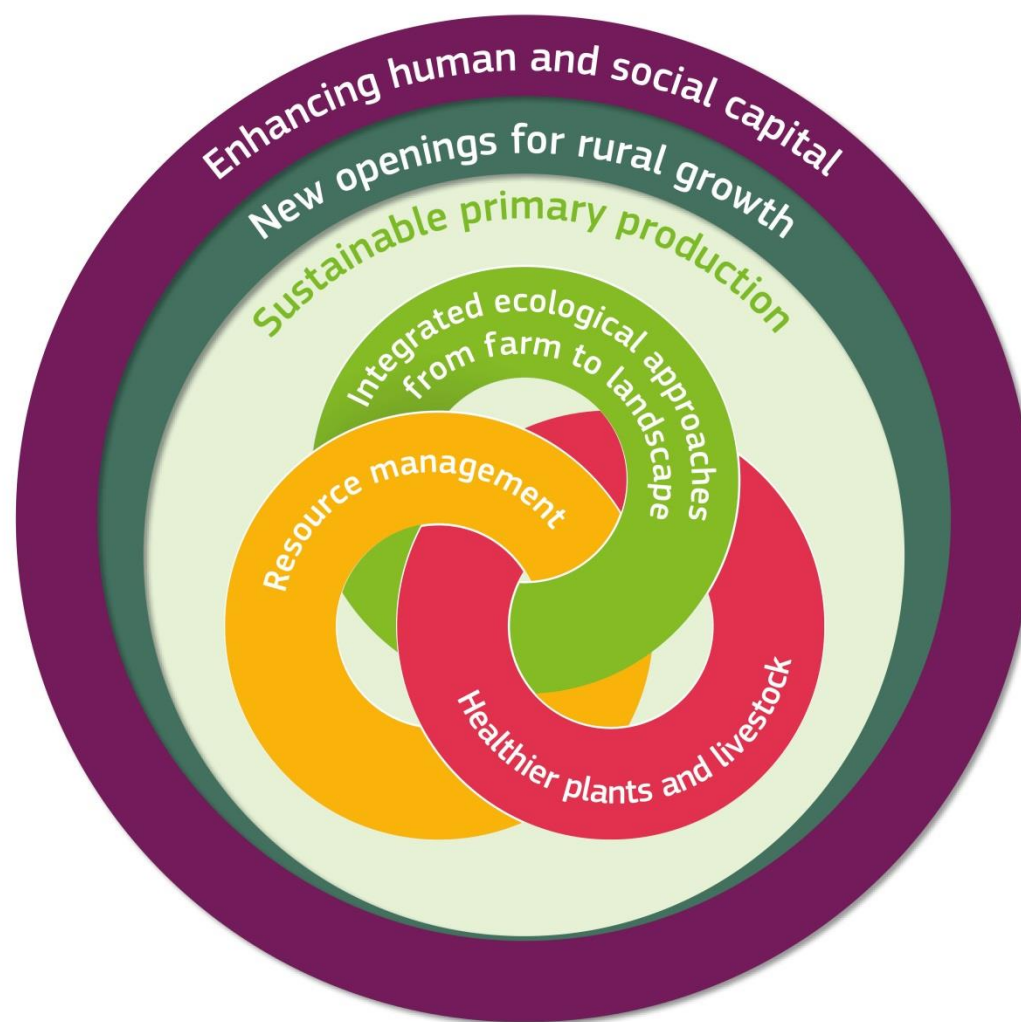




Cross cutting issues

-  Systems approach
-  Societal engagement
-  ICT as an enabling technology
-  Enabling science and infrastructures
-  Socio-economic research, support to policies

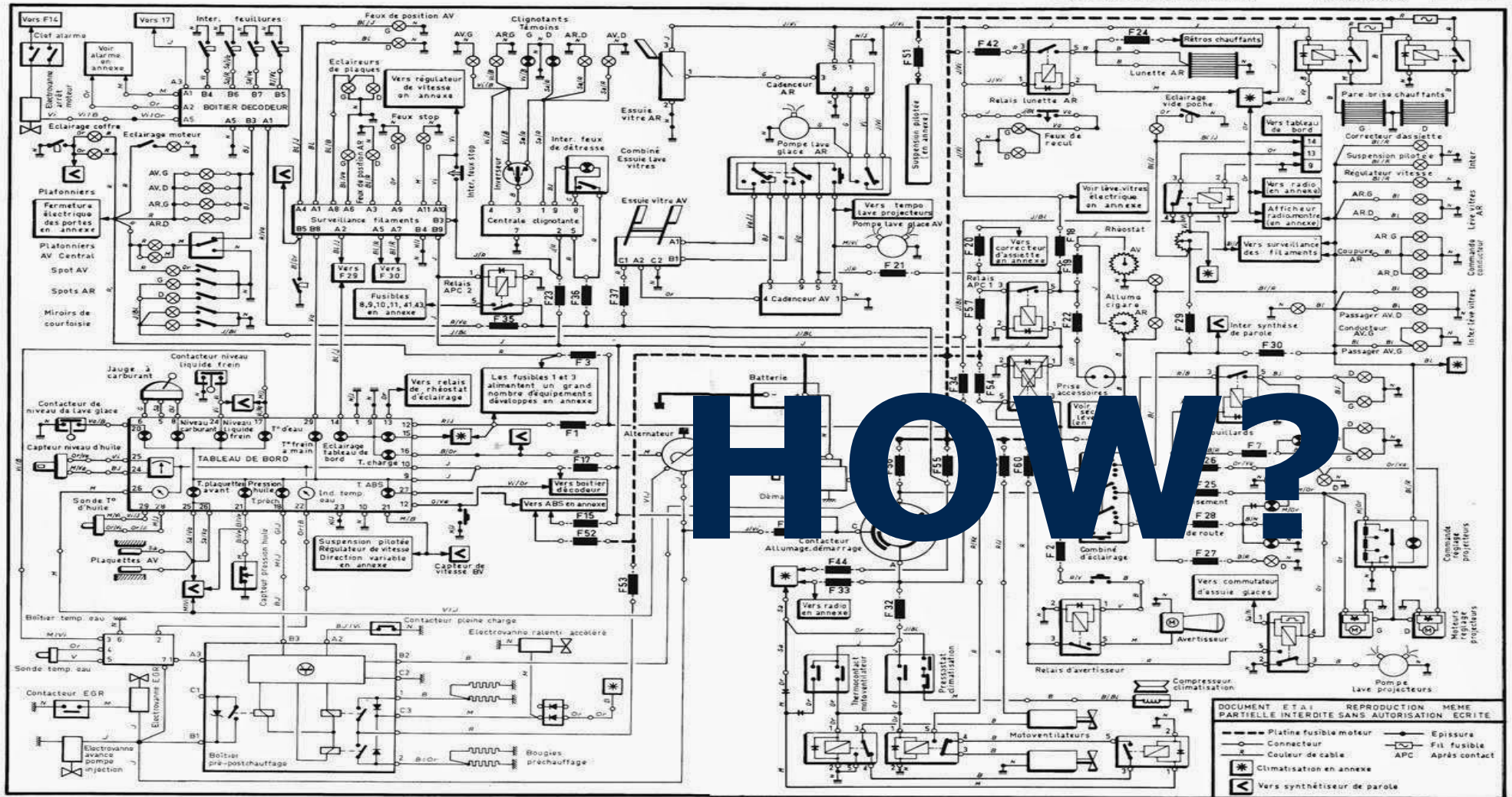
Five building blocks



SCHEMA ÉLECTRIQUE GÉNÉRAL DES SAFRANE 2.5 dt (finition RXE)

— ÉQUIPEMENT ÉLECTRIQUE —

RENAULT « Safrane »
moteurs Diesel **R T C**



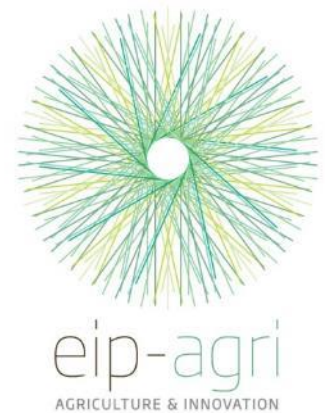


-  Strategic programming / programme management
-  Fostering **synergies with Member States**
-  The **international cooperation** dimension
-  Fostering the **implementation** of research and innovation (MAA, knowledge exchange)
-  Leaving more space for **new approaches**
-  Developing synergies with the **private sector**



Concluding remarks

- *The agrofood sector faces many challenges, research and innovation have big contributions to make*
- *Our aim is to foster synergies between policies – Horizon 2020 and the CAP - and instruments so as to **maximise impact on the ground***



Many thanks for your attention!

Innovation in action

<http://ec.europa.eu/eip/agriculture/>

