Synergies between EU funds for agricultural innovation

Now and beyond 2020

Alexia ROUBY, European Commission DG AGRI

#FutureofCAP
Overview

▪ Recalling the synergies today
  ▪ Framework
  ▪ In practice

▪ And tomorrow?
  ▪ Horizon Europe
  ▪ Future CAP & link with ESIF
Agricultural and rural research and innovation under Horizon 2020 & CAP today
Today: CAP and Horizon working in synergy

- **Horizon 2020 Multi-actor projects**
  - Engage with EIP-AGRI operational groups
  - Can help create them… or the other way round?

- **EIP-AGRI Operational groups**
  - Solve specific problems on the ground
  - Inspire wider European activities

- **EIP-AGRI Focus groups**
  - Enrich programming
  - Build multi-actor communities for Horizon 2020
  - Inspire projects (OGs or Horizon 2020)

- **Horizon 2020 Thematic networks**
  - Translate knowledge into practice
  - Boost impact of all activities

- **EIP-AGRI networking activities**
  - Enhance knowledge exchange
Synergies timeline

CASE 1: Dairy Cattle
- 2002: Interreg 3
- 2009: Interreg 4
- 2015: H 2020
- 2016: EARDF
- 2017: Interreg 6

CASE 2: Sheep
- 2015: EARDF
- 2016: H 2020
- 2017: EARDF

Connected PROJECTs
- EuroDairy Operational Groups
- "Dairy 4 Future"
- "Live Lambs" Operational Group

PARALLEL PROJECTS
- Successive Projects

Presentation by ACTA @AISLisbon2017
Opportunities...

- Using several programmes to advance work
  - Subsequently
  - Or simultaneously
- Each programme its focus and specific advantage
  - Building capacities, strengthening regional development (ERDF)
  - Sharing best practices at policy level, regional dev. (INTERREG)
  - Local eco-innovation: LIFE
  - Local agri-innovation: CAP,
  - Creating and sharing excellent knowledge: Horizon
  - Improving skills: ERASMUS, ESF

...and challenges

- ≠ management modes
  - EU
  - Shared
- ≠ objectives, rules, timing
- ≠ project sizes and geo. scale (reg/nat/eur)
- Challenges around inter-regional cooperation in shared management policies
- Access to information
- And... changing conditions!
Agricultural and rural research and innovation under post-2020 policies
Horizon Europe

Specific objectives of the Programme

- Support the creation and diffusion of high-quality knowledge
- Strengthen the impact of R&I in supporting EU policies
- Foster all forms of innovation and strengthen market deployment

Optimise the Programme’s delivery for impact in a strengthened ERA

Pillar 1
Open Science
- European Research Council
- Marie Skłodowska-Curie Actions
- Infrastructures

Pillar 2
Global Challenges and Industrial Competitiveness
- Clusters
  - Health
  - Inclusive and Secure Society
  - Digital and Industry
  - Climate, Energy and Mobility
  - Food and natural resources
- Joint Research Centre

Pillar 3
Open Innovation
- European Innovation Council
- European innovation ecosystems
- European Institute of Innovation and Technology

Strengthening the European Research Area
- Sharing excellence
- Reforming and Enhancing the European R&I system
<table>
<thead>
<tr>
<th>Clusters</th>
<th>Areas of intervention</th>
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<tbody>
<tr>
<td><strong>Health</strong></td>
<td>* Health throughout the life course</td>
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<td>* Non-communicable and rare diseases</td>
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<td>* Tools, technologies and digital solutions for health and care</td>
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<td>* Environmental and social health determinants</td>
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<td>* Infectious diseases</td>
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<td>* Health care systems</td>
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<td><strong>Inclusive and Secure Societies</strong></td>
<td>* Democracy</td>
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<td>* Social and economic transformations</td>
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<td>* Protection and Security</td>
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<td>* Cultural heritage</td>
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<td>* Disaster-resilient societies</td>
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<td>* Cybersecurity</td>
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<td><strong>Digital and Industry</strong></td>
<td>* Manufacturing technologies</td>
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<td>* Advanced materials</td>
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<td>* Next generation internet</td>
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<td>* Circular industries</td>
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<td>* Space</td>
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<td>* Key digital technologies</td>
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<td>* Artificial intelligence and robotics</td>
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<td></td>
<td>* Advanced computing and Big Data</td>
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<td>* Low carbon and clean industry</td>
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<tr>
<td><strong>Climate, Energy and Mobility</strong></td>
<td>* Climate science and solutions</td>
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<td>* Energy systems and grids</td>
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<td>* Communities and cities</td>
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<td></td>
<td>* Industrial competitiveness in transport</td>
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<td>* Smart mobility</td>
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<td>* Energy supply</td>
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<td>* Buildings and industrial facilities in energy transition</td>
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<td></td>
<td>* Clean transport and mobility</td>
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<td></td>
<td>* Energy storage</td>
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<tr>
<td><strong>Food and Natural Resources</strong></td>
<td>* Environmental observation</td>
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<td></td>
<td>* Agriculture, forestry and rural areas</td>
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<td></td>
<td>* Food systems</td>
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<td>* Circular systems</td>
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<td></td>
<td>* Biodiversity and natural capital</td>
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<td></td>
<td>* Sea and oceans</td>
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<td>* Bio-based innovation systems</td>
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</table>
Crucial for synergies: long-term strategic planning!

- **Continuity**
- **Consistency**
- **Impact**
- Helping **communities to structure** and **progress** on their innovation journey (and monitor/measure impact)
- **Effective science-policy interface**
1. CAP Plan Regulation
Objectives (1)

**General objectives**

- Agriculture and food
- Environment and climate
- Rural areas

- **Cross-cutting objective: knowledge, innovation and digitalisation**

- **Indicators**
Objectives (2)

Specific objectives

(a) support viable farm income and resilience across the Union to enhance food security;

(b) enhance market orientation and increase competitiveness, including greater focus on research, technology and digitalisation;

(c) improve the farmers' position in the value chain;

(d) contribute to climate change mitigation and adaptation, as well as sustainable energy;

(e) foster sustainable development and efficient management of natural resources such as water, soil and air;

(f) contribute to the protection of biodiversity, enhance ecosystem services and preserve habitats and landscapes;

(g) attract young farmers and facilitate business development in rural areas;

(h) promote employment, growth, social inclusion and local development in rural areas, including bio-economy and sustainable forestry;

(i) improve the response of EU agriculture to societal demands on food and health, including safe, nutritious and sustainable food, food waste, as well as animal welfare.
Conditionality rules

Climate & environment
- Birds and Habitats Directives
- Water Framework Directive
- Nitrates Directive
- GAEC Standards on:
  - climate change
  - water
  - soil
  - biodiversity and landscapes

Public, animal and plant health
- Animal Identification & Registration
- Pesticides authorisation Regulation
- Directive on the sustainable use of pesticides
- Hormones ban Directive
- General Food Law
- Notification of diseases

Animal welfare
- Directives for the protection of:
  - Calves
  - Pigs
  - Animals kept for farming purposes

Farm advisory services
- Conditionality
- Antimicrobial resistance
- Risk management
- Innovation support

Direct payments
- Basic income support for sustainability
- Complementary redistributive income support for sustainability
- Complementary income support for young farmers
- Voluntary scheme for the climate and the environment
- Coupled direct payments

Rural Development
- Payments for environment, climate and other management commitments
- Payments for natural constraints or other region-specific constraints
## Farm advisory services

<table>
<thead>
<tr>
<th>New elements</th>
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</thead>
<tbody>
<tr>
<td>• All rural development measures</td>
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<tr>
<td>• Information on financial instruments and business plans (included in CAP Plans)</td>
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<tr>
<td>• Clean Air Directive</td>
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<td>• National Emission Ceiling Directive</td>
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<td>• Animal Health Law</td>
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<tr>
<td>• Plan Health Law</td>
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<tr>
<td>• Practices against anti-microbial resistance</td>
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<tr>
<td>• Risk management</td>
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<tr>
<td>• Innovation support (in link with EIP)</td>
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<tr>
<td>• Development of digital technologies</td>
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<table>
<thead>
<tr>
<th>Elements remaining (more or less) the same</th>
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</thead>
<tbody>
<tr>
<td>• All SMRs and GAEC under conditionality</td>
</tr>
<tr>
<td>• Management requirements of land (for direct payments)</td>
</tr>
<tr>
<td>• Water Framework Directive</td>
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<tr>
<td>• Directive on the sustainable use of pesticides</td>
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</table>
RURAL DEVELOPMENT

- EAFRD no longer covered by CPR (coordination, demarcation and complementarity with other Funds to be described in the Strategic Plans)

- Full alignment with CPR provisions on Fis, LEADER/CLLD, sound economic governance, visibility & publicity

- Co-financing rates:
  - 70% in less-developed and outermost regions
  - 43% in other regions
  - 65% for areas with natural or specific constraints (ANC)
  - 80% for management commitments, area-specific disadvantages, non-productive investments, EIP and LEADER
  - 100% for funds transferred from first pillar

- At least 5% of total EAFRD contribution to be reserved for LEADER and 30% for interventions addressing the three environmental/climate objectives

- Max 4% of total EAFRD for technical assistance at the initiative of the Member States (first and second pillar)

- Possibility for budgetary transfers to LIFE and ERASMUS

- Possibility for budgetary transfers to MS compartments under InvestEU (Fis)
RURAL DEVELOPMENT

- Types of interventions:
  - Environmental, climate and other management committees
  - Natural or other area-specific constraints
  - Area-specific disadvantages resulting from certain mandatory requirements
  - **Investments**
    - Installation of young farmers and *rural business start-up*;
  - Risk management tools
  - **Cooperation**
    - Knowledge exchange and information

- Selection criteria to be applied to investment measures

- **Possibility of using FIs** (incl. working capital), also in combination with grants

- Possibility for the MS to apply **SCO** (alignment with CPR)
Coordination and Governance

**National and European CAP Networks:**
- Collection, analysis, dissemination of information/good practices
- Capacity building
- Facilitating exchange of information between stakeholders
- Facilitating networking of LAGs, EIP, etc.
- Preparation of future plans
- Etc.

**EIP**
- To be established by the Commission to stimulate innovation and exchange of knowledge
- Linking research and farming practices
- Connect innovation actors and projects
- Promote transposition of innovative practices
- Informing scientific community about needs on the ground

- Implementation based on EIP Operational Groups

Regional networks are possible too
CAP Strategic Plan

• **One plan/Member State**

• **Content (Art 95)**
  
  a) an assessment of needs;

  b) an intervention strategy;

  c) a description of elements common to several interventions;

  d) a description of the direct payments, sectoral and rural development interventions specified in the strategy;

  e) target and financial plans;

  f) a description of the governance and coordination system;

  g) a description of the elements that ensure modernisation of the CAP;

  h) a description of the elements related to simplification and reduced administrative burden for final beneficiaries.

• **Key part on AKIS**

• **Performance review, control based on achieving results.**
In a nutshell:
A stable and stronger core, new coordination mechanisms

**Remains**

- A strong attention to **agricultural and rural R&I**... in even greater connection with other policies
- **EIP and the synergistic and integrated model of working between Horizon EU and the CAP, incl. networks and OGs**
- Interactive innovation and the multi-actor approach
- “Horizon” quite stable, with novelties around innovation ecosystems
- **Strategic** approach to EU agricultural R&I
  - Backbone of the action
  - Missions to be jointly defined
- RIS3 a useful strategy document

**Evolves**

- **Greater budget** under Horizon EU
- **Core to CAP modernisation**
- Stronger **focus on AKIS**
- **Policy simplification & modernisation**
  - 27 “CAP plans” instead of 118 RDPs
  - Great flexibility to Member States to organize themselves => opportunities but needs for coordination
  - Performance based: results and impacts instead of rules, eligibility, input-based policy
- **Not in CPR** but alignment and coordination
Thank you for your attention

More information
https://ec.europa.eu/agriculture/research-innovation_en
www.eip.agri.eu

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Research and innovation – Horizon 2020 sector
European Commission
State of public investment in R&I

Public investments in agricultural research and development
€ bio (Eurostat, GBAORD data)

<table>
<thead>
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<th>Year</th>
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<tr>
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