European Commission

AGRI**RESEARCH** CONFERENCE

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Agriculture and Rural Development

Healthy plants, animals and ecosystems for healthy people

Building on achievements: agricultural and rural R&I activities delivering in the broader context of EU action

11:00-12:30

How to maximise synergies between various instruments and approaches

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Healthy plants, animals and ecosystems for healthy people

Flash overview of implementation approaches and of R&I support under other EU programmes

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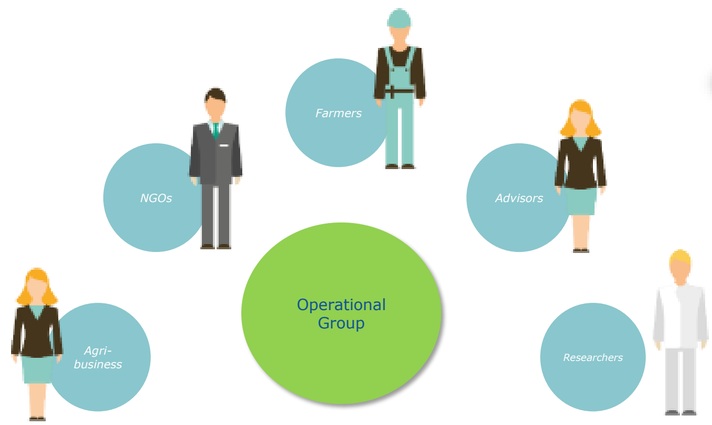
Implementation approaches under the agricultural R&I strategy

- Being strategic about programming
- Encouraging synergies with Member states
- Developing International cooperation
- Boosting implemenation of R&I → interactive innovation & EIP-AGRI
- Leaving more space for new approaches
- Developing synergies with the private sector

Interactive innovation

CAP /Rural development
(regional/national level)



Operational groups, e.g.:

"Innovative pilot project in the fight against the olive fruit fly"

"Decreasing swine dysentery using plant extracts in feed"

"maîtrise de la salmonellose en élevage bovin laitier"

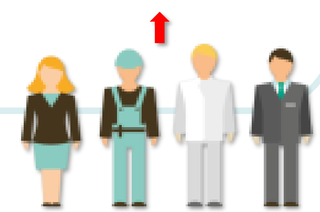
eip-agri
AGRICULTURE & INNOVATION

EIP network(s)

Thematic Network : WINETWORK

HORIZON 2020
(European projects)

XX Multi-actor projects and thematic networks
(interactive innovation)



OPERATIONAL GROUP

Focus groups, e.g. :

"Reducing antibiotic use in pig farming"

"Integrated Pest Management practices for soil-borne diseases"

Workshops & seminars

Spread the results

Unique EU knowledge repository of contacts and practice abstracts

Horizon 2020 beyond SC2

- ✓ Marie-Curie *(bottom up approach), e.g.*
  - **IF:** *PYANO*; **RISE** : *Ochravine control;* **ITN** : *Bingo*
- ✓ Infrastructures
  - *VetBioNet , Transvac2, Infravec2, MIRRI, EVA*
- ✓ LEIT
  - **ICT**: e.g. *Phasmafood (Portable photonic smart system for on-the-spot food quality sensing)*
- ✓ SME projects *e.g.*
  - **Phase 1**: Zoonomarks (SC1); SAL ETHVI (SC2) *LacDetect (SC2); SAFEMILK (SC2)* etc
  - **Phase 2**: *PanaMast (SC2); ProDairyWelfare (SC2)* etc
- ✓ Other Societal challenges
  - *COMPARE* **(SC1-SC2)**

Other parts

- ✓ EIT *(entrepreneurship and innovation)*
  - **EIT Health; EIT Food**
- ✓ COST actions, e.g.
  - *Animal&health: ASF-STOP, NEOH, Euro-FBP, PiGutNet, COREMI, COMBAR* etc
  - *Plant health: NGS for the study and diagnosis of plant viral diseases in agriculture (FA1407); interactions between plants, microbes and arthropods to enhance crop protection and production (FA1405)*

Part I Excellent Science

1. European Research Council
2. Future and Emerging Technologies*
3. Marie Sklodowska-Curie Actions
4. Research Infrastructures

Part II Industrial Leadership

1. Enabling & Industrial Technologies
   - 1.1 Information and communication technologies
   - 1.2 Nanotechnologies
   - 1.3 Advanced materials
   - 1.4 Biotechnology
   - 1.5 Advanced manufacturing
   - 1.6 Space
2. Access to Risk Finance
3. Innovation in SMEs*

Part III Societal Challenges

1. Health and wellbeing
2. Food security, sustainable agriculture, marine research and the bioeconomy
3. Secure, clean and efficient energy
4. Smart, green and integrated Transport
5. Climate Action, Environment, Resource Efficiency
6. Inclusive, innovative and reflective societies
7. Secure societies

Spreading excellence ad widening participation

Science with and for Society

European Institute of Innovation and technology

Euratom

Joint Research Centre

*: FET Open and SME are part of EIC pilot from 2018, toegether with FTI and EIC Horizon Prizes

Building synergies with Member States

Co-fund instruments

✓ **ERA-NET**

To support transnational public research activities; single EU co-funded joint call; additional activities for leveraging;

- SusAn (sustainable animal production)
- Core-Organic
- Topic SFS-31-2019 scope C (**indicative**): infectious animal diseases

✓ **European Joint Programme**

Flexible instrument to support coordinated national research programmes; pooling critical mass of national resources on objectives and challenges of Horizon 2020

- EJP One Health (SC2)
- HBM4EU (SC1)

✓ **Article 185 initiatives**

- European and Developing Countries Clinical Trials Partnership Programme:EDCTP2 (SC1)
- PRIMA: Partnership for Research and Innovation in the Mediterranean Area (SC2/SC5)

SC2 specificity: Standing Committee on Agriculture Research

Project examples:
Core-Organic

Project examples:
EJP OneHealth
HBM4EU

Joint Programming Initiatives

Driven by countries, to pool national research efforts in order to address major societal. Countries commit to implement together joint Strategic Research Agendas

- Agriculture, Food Security and Climate Change (FACCE)
- A Healthy Diet for a Healthy Life (HDHL)
- Antimicrobial Resistance (JPI AMR)

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Developing synergies with the private sector

- ✓ Targeted topics (e.g. TRLs)
- ✓ SME scheme; FTI
- ✓ Article 187: Joint Technology Initiatives (JTIs).

  Run as Joint Undertakings that organise their own research agenda and award funding for projects on the basis of open calls.
  - Innovative Medicines 2 (IMI2): to develop next generation vaccines, medicines and treatments, such as new antibiotics
    - *Human health, but may address One Health, e.g. ZAPI project: Zoonoses Anticipation and Preparedness Initiative*
- ✓ Contractual Public-Private Partnerships (cPPP)

  8 H2020 cPPPs, but none in the health sector

Developing international cooperation

Horizon 2020 very open to international cooperation; funding provided to most countries in the word

- ✓ Targeted topics
- ✓ Special agreements with regions/countries
  - Bilateral: FAB Task Force with China (SC2)
  - Multilateral: EU-Africa
- ✓ Global cooperation initiatives, e.g.
  - International Research Consortia
  - Coordination actions:
    - GLOPID-R Global Research Collaboration for Infectious Disease Preparedness (SC1)

Project example:
EU-China-Safe

Project example:
STAR-IDAZ IRC

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Thank you for your attention

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