

Patrick Barrett
Research & Codex Division

Societal Challenge 2
Drivers & Developing Trends



Department of
**Agriculture,
Food and the Marine**

An Roinn
**Talmhaíochta,
Bia agus Mara**

EU 2020 Strategy

- Smart, Sustainable, Growth
- Innovation Union
- Resource Efficiency
- Bioeconomy Strategy

EU Commission Agenda 2015-2020

- Jobs, Growth & Investment
- Digital Agenda
- Energy & Climate
- Global Markets & EU Industrial Base

EU Policy & Funds 9 options for agri- food

- CAP, EMFF, IMP, CSF, ERDF (co-funds)
- Horizon 2020, EuroStars, COSME, Erasmus, ESIF, LIFE+ (EU COM managed)
- European Innovation Partnership

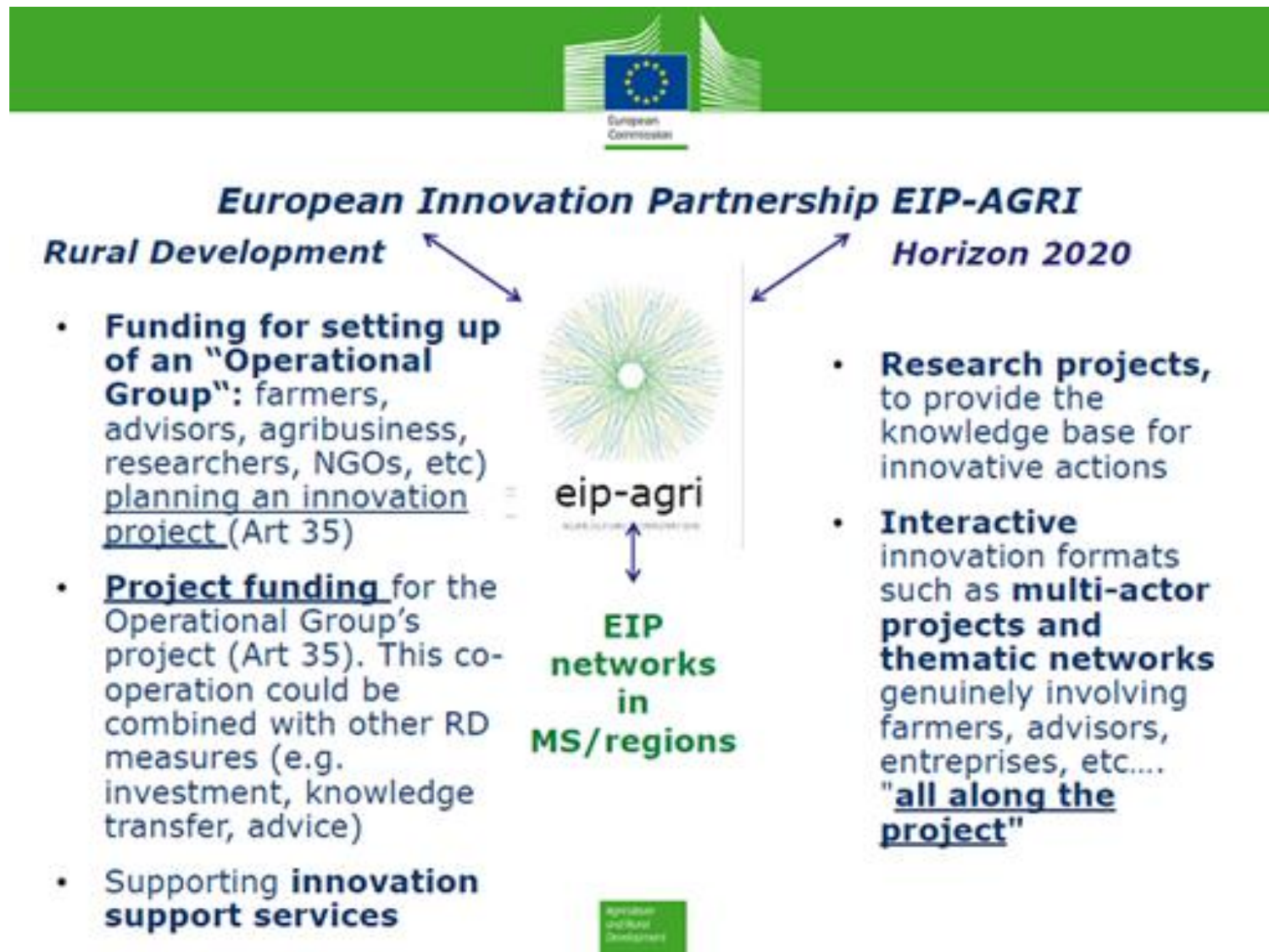
National Policy & Funds for Science, Agri & Innovation

- FoodWise 2025
- Innovation 2020, Action Plan for Jobs, Green Economy, NPRE
- DAFM - SHARP & FORI
- DAFM - FIRM, Stimulus, COFORD, Industry Co-Fund
- Research options with SFI, Innovation support with Enterprise Ireland

DAFM Research Division

1. Food - FIRM
2. Primary Production - RSF
3. Forestry - CoFoRD
4. Thematic Network
5. Research Plus
6. DAFM Industry Co-Funded Agri-Food and Bioeconomy Innovation Platform Funding Instrument (Agri-Tech & Biorefining)
7. US-Ireland Partnership
8. ERA-NET funding (SusAn, SusFood, ERA-GAS, WaterWorks, SumForest, WoodWisdom)
9. Joint Programming Initiatives funding for Healthy Diets for Healthy Lives (HDHL) and Agriculture, Food Security & Climate Change (FACCE)
10. EU Joint Programmes (EJP) e.g. the upcoming One Health topic
11. Horizon 2020 promotion and support
12. Related innovation activities e.g. RDP Operational Groups, Knowledge Transfer, Advisory Groups, Leader, National Rural Network

Horizon 2020 – EIP – RDP



EU Agriculture & Forestry Research Strategy

**Integrated ecological
approaches from
farms/forests to
landscape**

**Creating value from
land: sustainable
primary production**

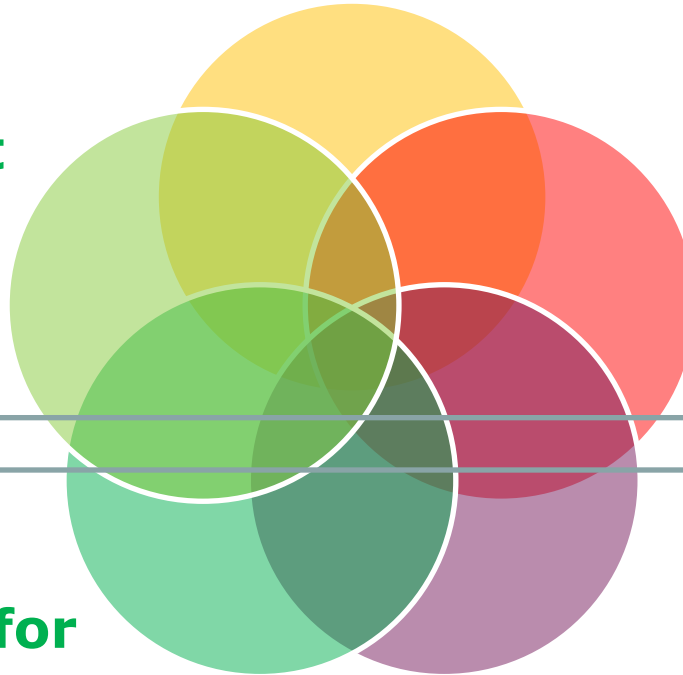
**Resource
management**

**Healthier
plants/trees
and livestock**

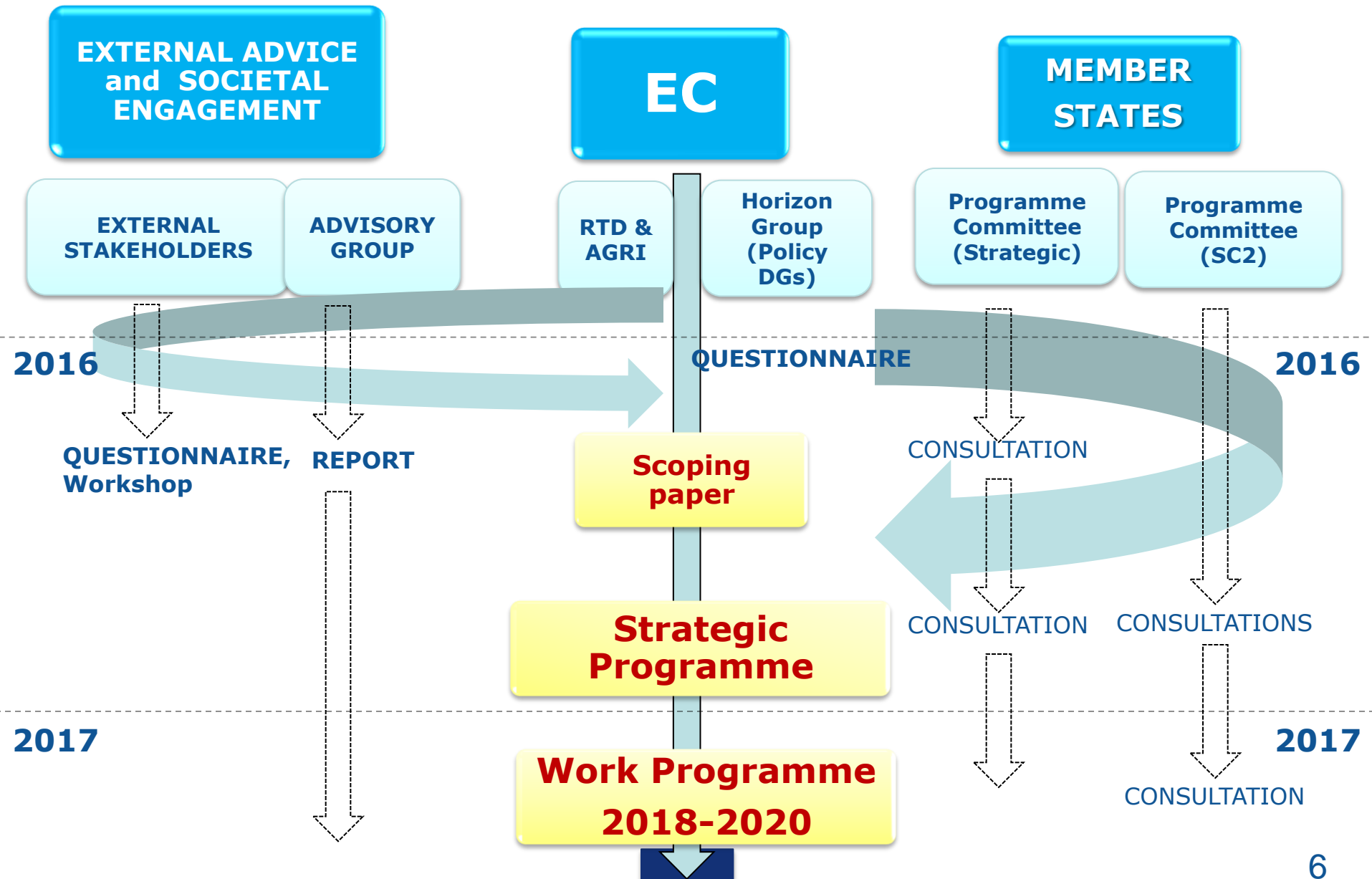
**Enhancing rural
innovation**

**New openings for
rural growth**

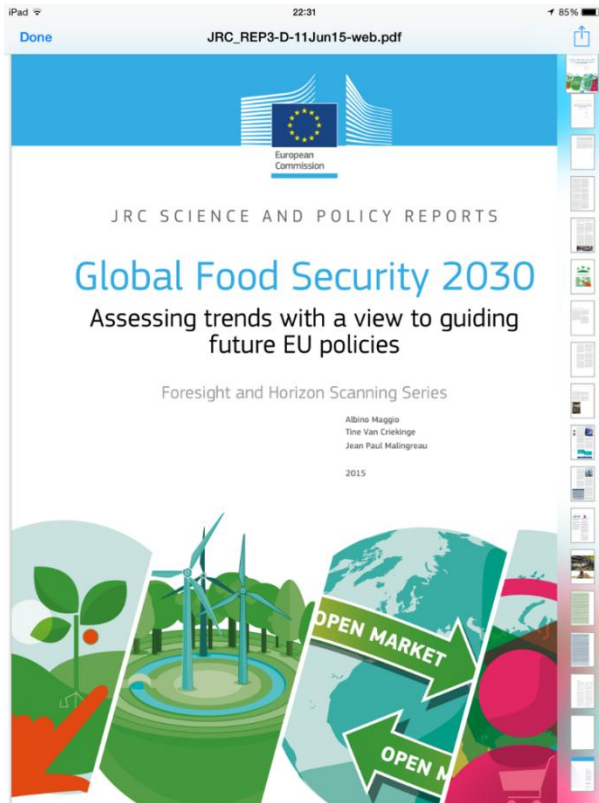
**Human and
social capital**



2018-2020 Work Programme Process



Food and Nutrition Security Research & Innovation Policy Framework



JRC Foresight Study:
Global Food Security
2030



MILANO 2015
FEEDING THE PLANET
ENERGY FOR LIFE



European Union

Official Participant



THE GLOBAL GOALS
For Sustainable Development



PARIS2015
UN CLIMATE CHANGE CONFERENCE
COP21·CMP11





Challenge

Vision – Resilient Food Systems – sustainable, accessible, healthy diets for all

Structure, Connect & Scale up present R & I

Global Outreach

EU Commission & Member States to improve R&I for food & nutrition security

- **Policy & Programme alignment**
- **Leveraging of Funds**
- **Open science & innovation**
- **Education, skills and capacities**

Whole Food Chain approach

- **Land or sea (including inland waters) - human consumption or animal feed**
- **Farm to Fork and back**

*Transformation of the Food system: includes the entire **value chain** from inputs to primary production (agriculture, aquaculture & fisheries), to harvesting, storage, processing, packaging, distribution, waste streams, to consumer intake – and back!*



Scope & Impact

Contribute to Food 2030: Food Research & Innovation Area

Multi actor engagement to support the strategy and action plan

Research & innovation breakthroughs

Dialogue for policy alignment and leveraging of funds

Evidence, trends & Intelligence on Food Systems

Food systems: Education, science, dissemination, communication & training initiatives

Developed over the next 3 years

First Steps:

- **STAKEHOLDER ENGAGEMENT**
- **The draft strategy will be shared and debated with stakeholders during the course of 2016 via workshops, events and & an on-line public consultation**
- **The formal launch is on 13th October, prior to World Food Day 2016**

Food Research Area

**Open
innovation**

**Open science
&
capacity
building**

**Research and
innovation
breakthroughs**

**Open to the
World
&
alignment**

Investment
Regional
innovation
Private sector
partnering

Open access
and data
sharing
Engagement,
education &
skills

Making FNS
"Smart" via
ICT
Food system
science &
trans-
disciplinarity

Global
collaborations
MS R&I Policy
alignment &
support

PRIORITIES:

1. Reducing hunger, malnutrition, food & diet-related illnesses
2. Sustainability & resilience to climate change
3. Safety & circularity in food systems
4. Boosting innovation & empowering communities

Thank you

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