



FOOD 2030

Research & innovation for tomorrow's nutrition and food systems

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F3 - Agri-Food Chain
DG Research & Innovation

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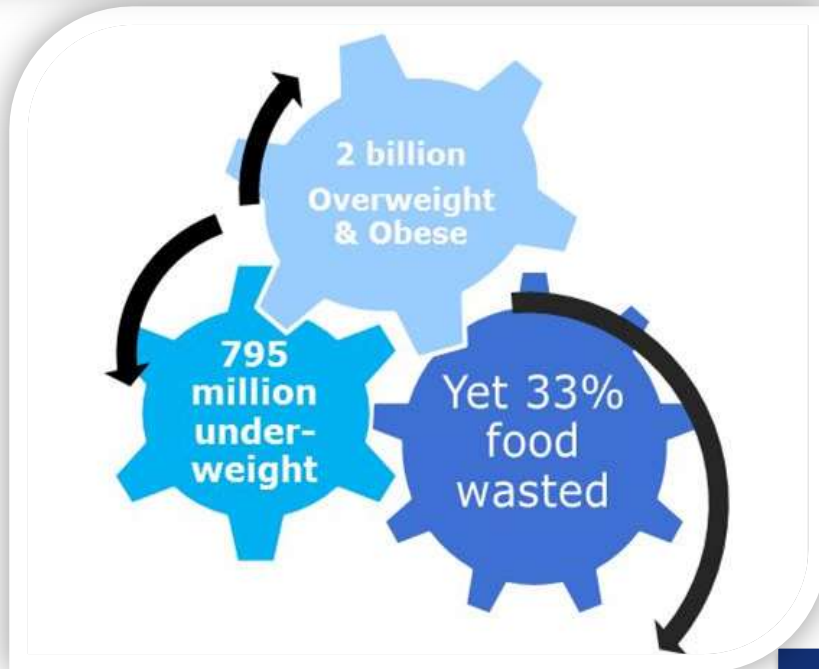
- 1. FNS - Framing problems & opportunities**
2. The challenges for European agriculture
3. FOOD 2030 – what is it?
4. Horizon 2020 – an implementation tool
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European
Commission



A "perfect storm"





European Commission



Political Opportunity

Juncker Priorities

10 priorities

- 01 A new boost for jobs, growth and investment.
- 02 A converged digital single market.
- 03 A resilient Energy Union with a forward-looking climate change policy.
- 04 A deeper and fairer internal market with a strengthened industrial base.
- 05 A deeper and fairer Economic and Monetary Union (EMU).
- 06 A reasonable and balanced free trade agreement with the United States.
- 07 An area of justice and fundamental rights based on mutual trust.
- 08 Towards a new policy on migration.
- 09 Europe as a stronger global actor.
- 10 A Union of democratic change.

SDGs Post-2015



COP21



World Food Day 2016

Climate is changing.

Food and agriculture are too.

IPCC

IPCC | 11 April 2016 | 02/13

The IPCC's priorities for the next six years: 1.5C, oceans, cities and food security



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Challenges for European agriculture

Agri-production become more vulnerable:

- globalisation of the markets, competition
- prices volatility, economic uncertainty
- low incremental crop productivity

Additional stress created by:

- increasing demand for food and feed
- increasing environmental concerns
- uncertainty generated by climatic changes

Sustainable farming means...

...more efficient agricultural production systems with less impact on the environment:



- More efficient use of water, soil and biodiversity resources
- More efficient use of nutrients (for plants), and feed (for animals)
- Reduction of GHGs (mitigation approach)
- Resilience to climate change (adaptation approach)

A food-system approach is needed

Moving from business-as-usual agriculture to Sustainable farming is a complex process which requires a system approach

Reshape the role of the farmer: from mere producer of food and commodities, into "wise manager of the natural capital"

This transition must be backed by effective policies (CAP) supported with dedicated Research & Innovation programmes

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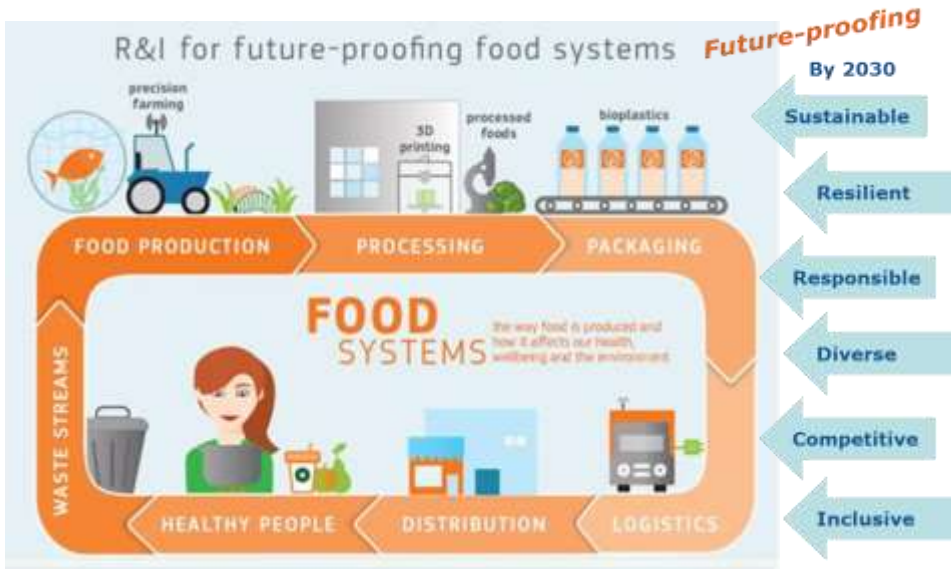
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FOOD 2030

EU R&I Policy Framework to future-proof our nutrition & food systems



- Need for a systemic approach to future-proofing food systems by structuring, connecting and scaling-up R&I
- To provide evidence for policies and solutions (knowledge, methods, technologies, services, business models, etc) addressing 4 priorities.

Priorities

- NUTRITION** for sustainable and healthy diets
- CLIMATE** smart and environmentally sustainable food systems
- CIRCULARITY** and resource efficiency of food systems
- INNOVATION** and empowerment of communities

Drivers

- Research breakthroughs**
- Innovation and Investment**
- Open Science**
- International collaboration**

#FOOD2030EU

Milestones so far



**FOOD 2030: Research & Innovation
for Tomorrow's Nutrition & Food Systems**
High-Level Event, 12-13 October 2016, Brussels



Harnessing Research and Innovation for FOOD 2030
Science Policy Dialogue, 16 October 2017, Brussels

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The EU Framework Programme for R&I



Excellent science

Industrial leadership

Societal Challenges

2014	2015	2016	2017	2018	2019	2020
Strategic Programme						
Work Programme 1	Strategic Programme					
	Work Programme 2	Strategic Programme				
		WP 3 (18-19)	WP 4 (2020)			

€ 482 M

€ 756 M

€ 1500 M

↑
FOOD 2030 CSA
FOOD 2030 Expert Group

↑
More to come!

1. Health, demographic change and wellbeing

2. Food security, sustainable agriculture and forestry, marine & maritime and inland water research, and the bioeconomy

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

Draft SC2 WP 2018-2020 now available online

<https://ec.europa.eu/programmes/horizon2020/en/food-security-sustainable-agriculture-and-forestry-marine-maritime-and-inland-water-research-and-0>

With several topics addressing Sustainable farming,
the Food chain and the Rural areas

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Working with MS and users

Standing Committee for Agricultural Research (SCAR)

- SWG Food Systems – national mapping of R&I investments (themes & expenditures, who does what, link to policies)

Joint Programming Initiatives

- Collaboration HDHL, FACCE, OCEANS

EIP AGRI

- The one-stop-shop for Agricultural Innovation in Europe
- Support Bioeast to develop common Vision Paper/SRIA

Working with Regions

Smart Specialisation Platform - "S3P Agri-Food"

- To accelerate the development of joint investment projects in the EU
- To encourage and support interregional cooperation
- Ex-ante condition for regions to access ESIF funding
- Contribute to a more competitive and sustainable EU food supply chain and more resilient food systems
- Eastern EU countries encouraged to get involved

<http://s3platform.jrc.ec.europa.eu/agri-food>

Working with private sector

European & National Technology Platforms

- stakeholder fora (academia, research & industry)
- R&I agendas, & roadmaps at EU/ national level
- mobilise stakeholders on agreed priorities
- ETP 'Food for Life', 'FABRE', 'Plants For The Future', ...

Knowledge & Innovation Communities (KICs)

- public-private partnerships
- addressing innovation – education – business creation
- EIT Food, EIT Health, EIT Climate, EIT Digital, ...

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FOOD 2030 Next Steps

**Launch FOOD 2030
Expert Group**

Sept. 2017 to March 2018

**FOOD 2030 World
Food Day Conf.**

16 Oct 2017, Brussels

**Launch FOOD
2030 CSA**

Nov 2017 to end 2020

**MS Mapping
of Food
Systems R&I**

Dec 2017

**2nd FOOD 2030
High Level
Event**

21-22 June 2018
Plovdiv, BG



FOOD 2030 - NEW LEVEL OF AMBITION, IMPACT AND FOCUS

- **Food system approach**
- **New partnerships with Member States & business**
- **Map & close investment gap**
- **Game changing technologies**
- **New global platform**



FOOD 2030 - NEW LEVEL OF AMBITION, IMPACT AND FOCUS

- Food system approach
- New partnerships with Member States, business, society and other stakeholders
- Map & close R&I investment gap
- Connect R&I, from 'farm-to-fork-to-gut-and back' including primary production
- Game changing technologies, approaches, business models
- New global platform

Thank You



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