



Research & Innovation for tomorrow's nutrition and food systems

Barend VERACHTERT

Head of Unit

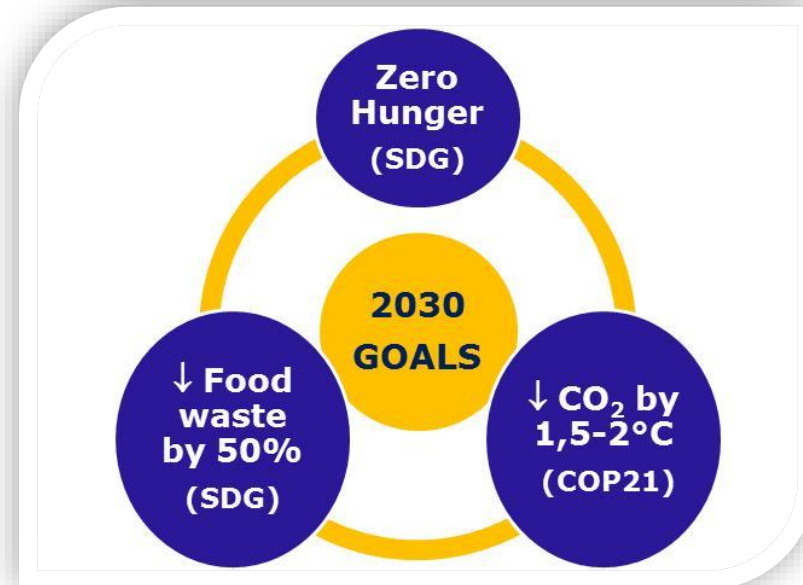
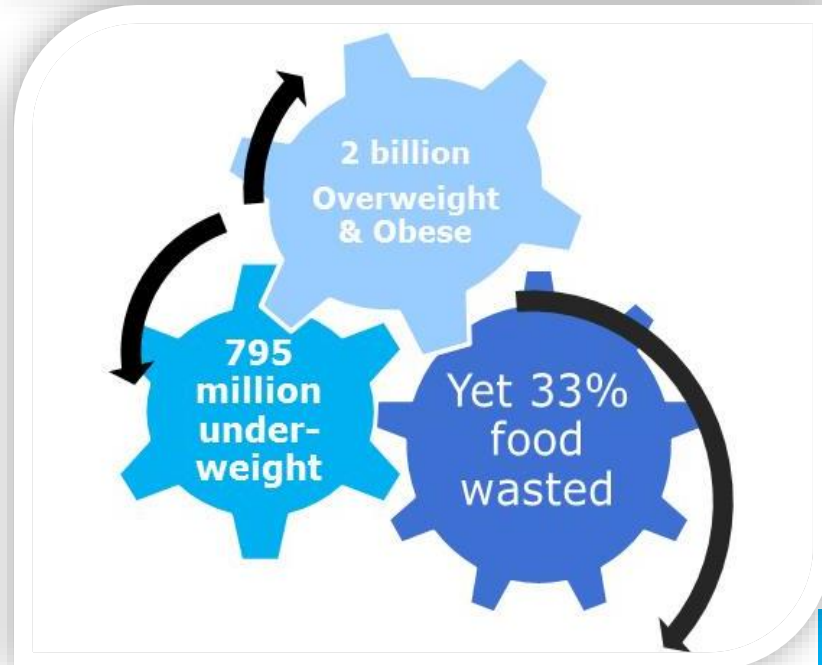
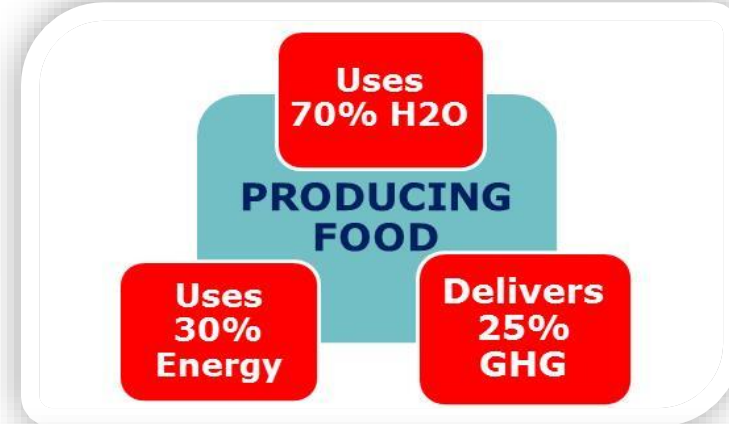
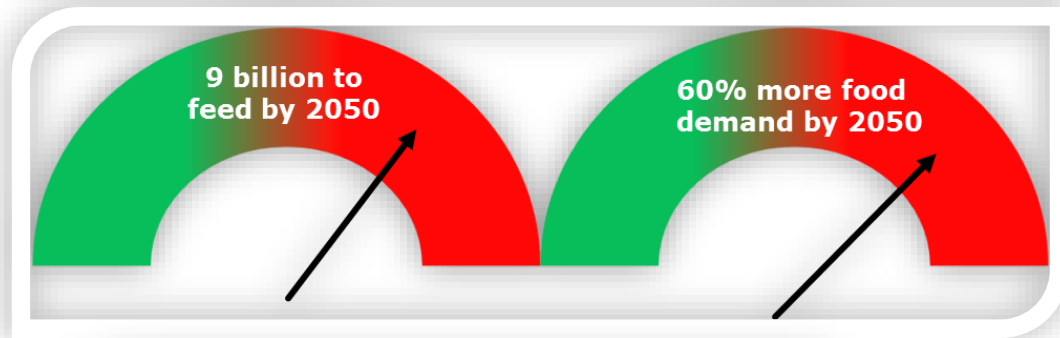
Directorate F – Bioeconomy

Unit F.3 – Agri-Food Chain

DG Research & Innovation

European Commission, Brussels

A "Perfect Storm"



Future CAP : Objectives and priorities for intervention

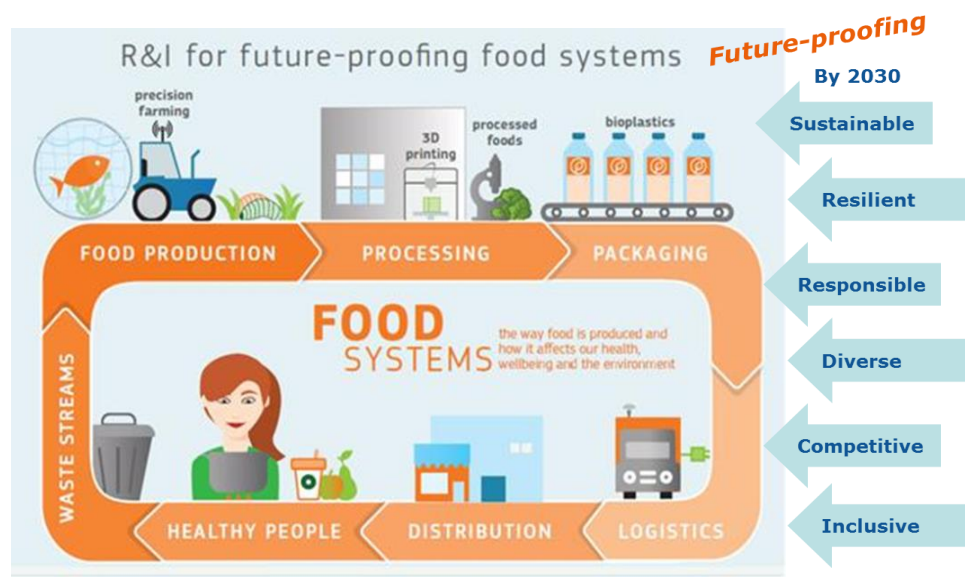
- Foster a smart and resilient agricultural sector
- Bolster environmental care and climate action and to contribute to the EU environmental and climate objectives
- Strengthen the socio-economic fabric of rural areas
- Enhance knowledge-basis
More subsidiarity/performance
Enhance synergies with other policies





FOOD 2030

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



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**

- **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.**

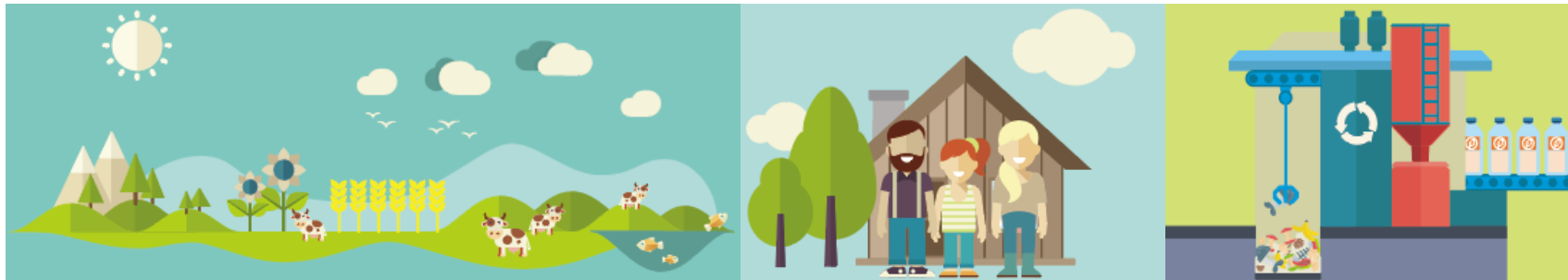
#FOOD2030EU

FOOD 2030

Nutrition	Circularity	Climate	Innovation
<p>Alternatives Proteins</p>  <p>Personalised Nutrition</p>  <p>Fighting obesity with proper pre- and post-natal nutrition</p> 	<p>Fighting Food Waste</p>  <p>Sustainable Use of Land</p> 	<p>Bio-fertilisers for Plants</p>  <p>Farmers as Natural Resource Managers</p>  <p>Boosting Photosynthesis</p> 	<p>Printing healthy meals for elderly patients</p>  <p>Urban farming</p> 

The bioeconomy

- *Ecosystems on land and sea*
- *Primary production systems - agriculture, forestry, aquaculture / fisheries*
- *Bio-based industry*



Opportunities: Creation of new value



**Global biorefinery product market expected to grow 13% annually
To satisfy EU demand growth locally, 300 biorefineries needed until 2030**

Pomacle Bazancourt (FR)



Local cooperation agri-businesses

2-Methylpropene from wheat straw

➤ **Starting chemical for butyl rubber, isoprene, lubricants**





TOWARDS FP9

POLICY PRIORITIES SET BY COMMISSIONER MOEDAS

Open Science

- ✓ Open Access
- ✓ Open Data and European Open Science Cloud
- ✓ Research Integrity
- ✓ Inclusiveness & Citizen Science



Open Innovation

- ✓ European Innovation Council
- ✓ Venture capital funds of funds
- ✓ Pro innovation Regulatory Environment
- ✓ Boosting Private Investment
- ✓ Maximizing Impact of EU funding

Open to the World

- ✓ Leading & working with multilateral initiatives & international organisations
- ✓ Better framework conditions for scientific cooperation
- ✓ Science diplomacy and synergies with the EU's external policies



Thank you!

Email: barend.verachtert@ec.europa.eu

Website bioeconomy directorate:
<http://ec.europa.eu/research/bioeconomy>

Twitter: #FOOD2030EU