



Building FOOD 2030 Align, structure and boost

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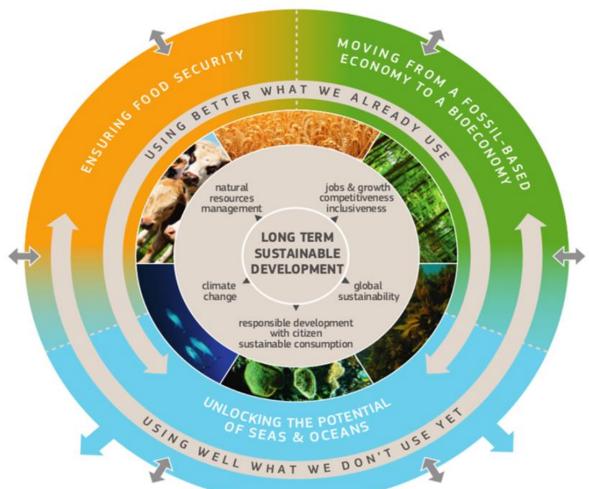


Conference background document



FOOD 2030 CLIMATER 2030

The Bio-Economy



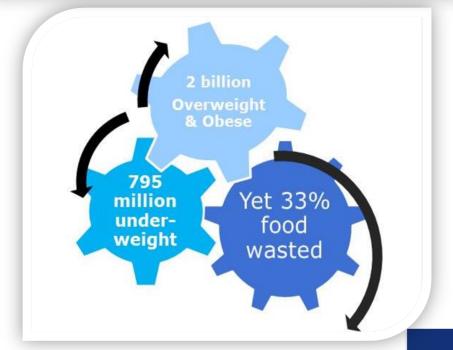


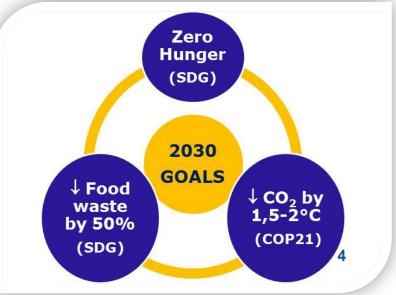


A "perfect storm"













Political Opportunity

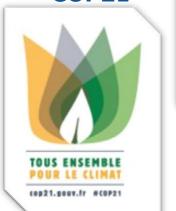
Juncker Priorities



SDGs Post-2015



COP21



World Food Day 2016
Climate is changing.
Food and agriculture are too.

IPCC







Opportunities for R&I Breakthroughs

Aquaponics Re-use-of-food-waste
Climate-resilient-crops Smart-Personalised-nutrition
Food-fortification Biosensors-in-agriculture
Organics Smart-Precision-FarmingNew-food
Multifunctional-business-modelsScaling-up-aquaculture
Artificial-PhotosynthesisInsects Food-water-health-energy-nexus
Drone-food-delivery Alternative-sources-of-protein
Off-shore-agricultureFood-industry-innovation
Urban-agriculture Plant-based-meat-similars
Sustainable-food-cities3-D-food-printing
business-modelsSoil-carbon-capture Plant-protection
Microbiome Agroforestry
Circular-farms



FOOD 2030 CIRCULARITA

The Investment Opportunity

- EU Industrial R&D Investment gap persists despite challenges and opportunities (JRC, FoodDrinkEurope, EC)
 - Overall corporate R&D intensity gap widens (2005-2013)
 - Low investment in EU R&D food industry vs. US and Japan
 - Low uptake of EFSI by EU agri-food sector
- It would have been profitable to have invested more in Agricultural R&D (OECD, Purdue University)
- At the same time:
 - Cost (to society and business) of not acting is high
 - Evidence that venture capital investments into agri & food increased sharply AgTech Funding Report 2015)



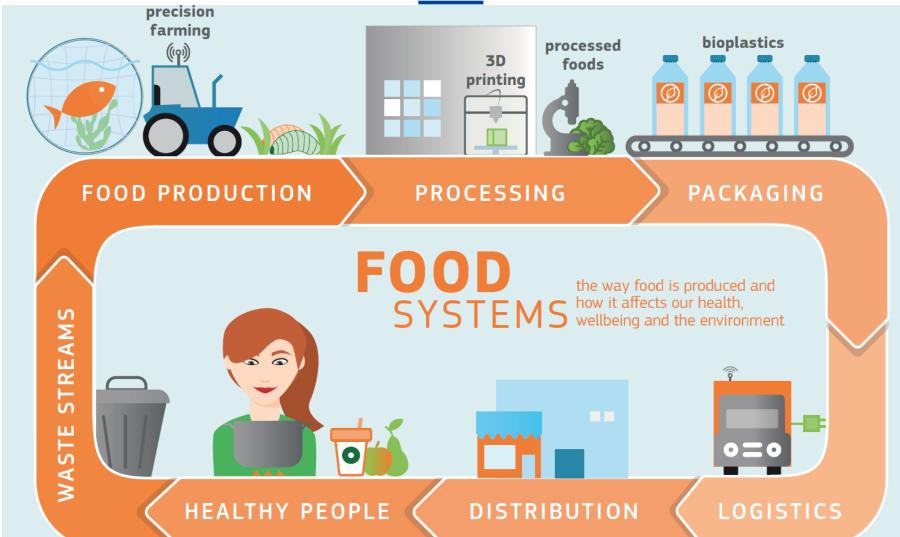


FOOD 2030

- 1. To promote a systems approach to research and innovation,
- 2. To better **structure**, **connect and scale-up EU R&I**, in a global context
- 3. To **step-up EU investment** ambition (public and private)
- 4. To mobilise international stakeholders to **tackle global societal challenges**

NEED FOR NEW LEVEL OF AMBITION, IMPACT AND FOCUS









FOOD 2030 Priorities



NUTRITION for sustainable and healthy diets: Reducing hunger & malnutrition, addressing food safety and diet-related diseases, and helping citizens adopt sustainable diets and healthy lives



CLIMATE smart and environmentally sustainable food systems: Building a climate and global change-resilient food system



CIRCULARITY and resource efficiency of food systems: Implementing sustainability and circular economy principles across the whole food system



INNOVATION and empowerment of communities:
Boosting market creating innovation and investment,
while empowering communities





FOOD 2030 Drivers



Research -> ICT, Food systems science & transdisciplinarity (e.g. smart personalised nutrition, consumer behaviour, multi-actor approach)



Innovation and Investment -> Regional, Private sector collaboration (e.g. Smart Specialization Platform for Agri-Food)



Open Science-> Open access and data sharing; engagement, education & skills (e.g. food cloud)



International collaboration -> MS R&I alignment and support (e.g. International Bioeconomy Forum, ASEAN aquaculture)





European Commission Role





FOOD2030 Engagement process

Call under Horizon 2020 [SFS-18-2017; open]

Up to 4M€ - 3 years; Call deadline: 14-Feb-2017

Platform for multi-actor engagement:

- Explore R&I breakthroughs
- Dialogue & co-creation between funders/ programming authorities
- Evidence & strategic intelligence
- Training & dissemination





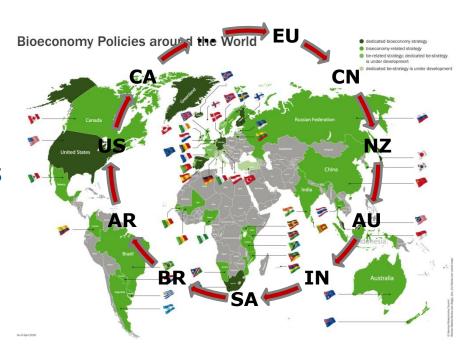
Open to the World International Bioeconomy Forum - IBF

- Informal multilateral network

for countries and int'l organisations

 Mobilise R&I coalitions around bio-economy & FOOD 2030 priorities (e.g. microbiome);

Impact focussed, variable geometry







Conclusion

- 1. Food and Nutrition Security is a key priority for EU Research & Innovation
- 2. Nutrition and food systems face a "perfect storm"
- 3. A new level of ambition, impact and focus is needed for nutrition and food security R&I
- => FOOD 2030 aims to engage, mobilise and connect





Thank You

