



Global drivers in shaping the future bio-economy

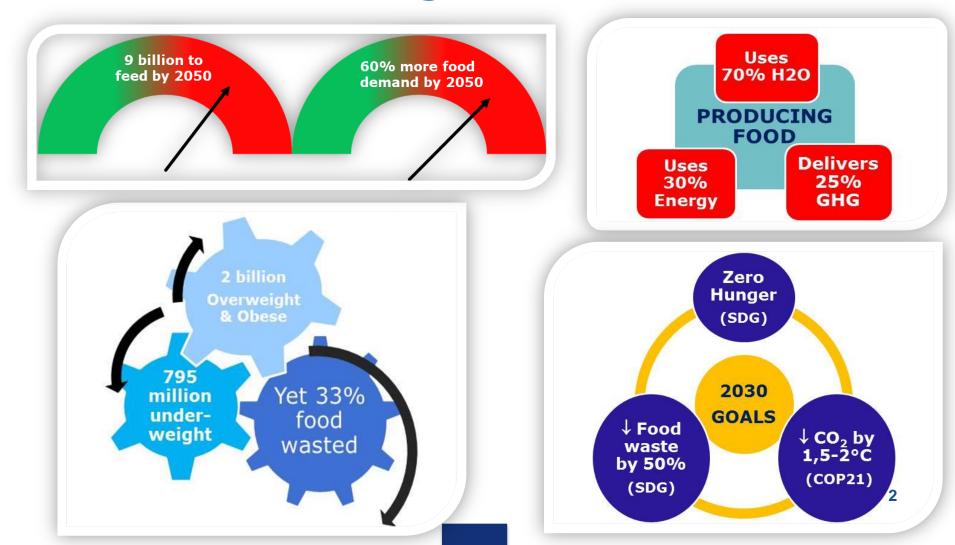
Driving sustainable food system transformation through research and innovation

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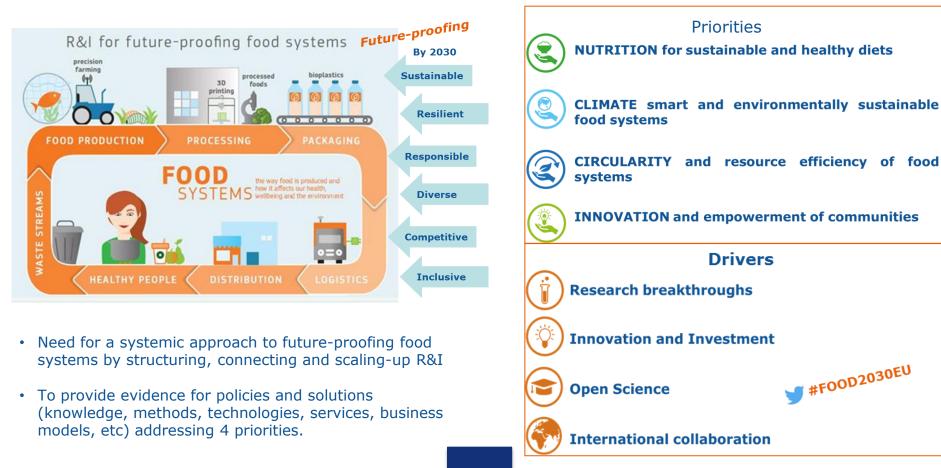
Drivers of change - a "Perfect Storm"





FOOD 2030

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





FOOD 2030 - New level of ambition, impact & focus

- Food system approach
- New partnerships with Member States, business, society and other stakeholders – all levels (local-int'l)
- Map & close R&I investment gap
- Connect R&I from 'farm-to-fork-to-gut-and back', land & sea (including seafood catches & aquaculture products)
- Game changing technologies, approaches, business models
- Support policies, align with & deliver on Int'l commitments (SDGs, etc)



Horizon 2020 & Horizon Europe

- The EU Framework Programmes as implementation tools for FOOD 2030
- Horizon 2020 making use of WP calls for proposals
- Horizon Europe (2021+) discussions ongoing Food and Natural Resources Cluster
- How do we convene in the area of Food Safety?





Examples of R&I





Food Safety 2030

Needs:

- Nutrition and health claim tools

- Assessment tools for novel foods
- Assessment tools for cocktail mixtures in

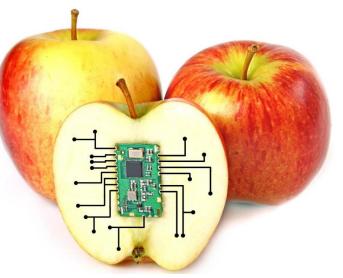
foods and reduce the toxicological impact

- Networks of excellence
- Assessments/real time assessments

How:

- (Meta)Genomics, microbiome
- Blockchain for Authenticity & Safety
- Reduce, Replace, Reorganize (3xR)

New toolkits



New technologies





- Food safety is at the heart of the European democracy and at the heart of the food systems
- Opportunities for R & I to invest on a food safety platform engaging all relevant actors and addressing governance and public trust
- The platform should be based on a common approach and shall harness the R & I results and develop the kit tools for food safety





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

Twitter: #FOOD2030EU