



Bridging Policy, Research and Action:

*An in-depth analysis of the Food2030 R&I pathways
for food systems transformation*

*Tommaso EMILIANI, Project Manager Public
Engagement*

*Dr. Maarten VAN DER KAMP, Director of
Education*



This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 774088

Agenda for the session & Etiquette







11.20h-11.35h Analysis of the Food2030 10 R&I-pathway framework: Approach, findings and policy recommendations

by Tommaso Emiliani, tommaso.emiliani@eitfood.eu

11.35h-11.45h A case for systemic approach to competency-building: The EIT Food MOOC 'Nutrition: Health and Sustainability' for medical professionals

by Maarten van der Kamp, maartenvanderkamp@eitfood.eu

11.45-12.00h Q&A

- Keep your microphone muted and your camera off  
- Write your questions in the chat 
- The session is being recorded 







What are the Food2030 R&I pathways for food systems transformation?



..An operational framework for implementing the food systems approach!

- **Objective:** Structured basis for R&I policy and R&I areas relevant to building up Horizon Europe and beyond
- **Who:** Process led by DG RTD, inter-DG co-creation, public consultation, expert workshop
- **What:** Key levers of change where R&I can have a deep and multiple impact
- **How:** Consider all aspects key to achieve Food2030, Farm to Fork and Green Deal priorities

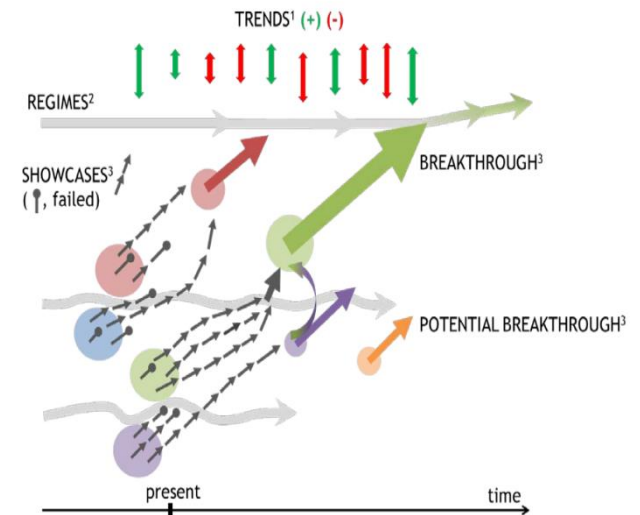
FOOD 2030 PATHWAYS	 NUTRITION	 CLIMATE	 CIRCULARITY	 INNOVATION
Governance and systems change	+++	+++	+++	+++
Urban food systems transformation	++	+++	+	+++
Food from oceans and freshwater resources	++	+++	++	++
Alternative proteins and dietary shift	+++	+++	++	+++
Food waste and resource efficiency	+	+++	++	++
The Microbiome world	+++	+++	+++	+
Healthy, sustainable and personalised nutrition	+++	++	+	++
Food safety systems of the future	++	+++	++	++
Food systems Africa	++	++	++	+++
Food systems and data	+++	+++	+++	+++



What was the FIT4FOOD2030 contribution?

...A really systemic analysis lying at the hearth of the FIT4FOOD2030 project!

- **Objective:** In-depth, independent analysis on the Commission's 10 R&I leverage areas to expose cross-pathway trends and provide recommendations
- **Who:** Multi-disciplinary research team working on the pathway analysis in small groups
- **What:** Analysis of systemic challenges (landscape level); R&I action needed and barriers/enablers to change (regime level); potential breakthroughs and concrete showcases (niche level)
- **How:** New knowledge built on latest scientific evidence + input from educational modules of City Labs, EU Think Tank policy briefs and public survey results



Main cross-pathway trends



- ❑ **Trans-disciplinary approaches** to R&I are needed to:
 - foster systems innovations by taking into account all different social, technological, ecological and political components
 - facilitate cross-fertilization between researchers, educators, public administrations, technological innovators and societal actors
 - understand better the political economy of food and data economy
- ❑ To catalyse investments and commitment to food systems transformation, it is essential to **expand Public-Private Partnerships** where public authorities provide guidance and some level of funding in view of returns of investments
- ❑ While raising awareness is necessary, **building competences and skills** is essential to:
 - develop talent essential to realise the innovation capital
 - unlock the transformative potential of pathways through entrepreneurial actions
 - enable market transformation to drive long-term responses
- ❑ Need to **broaden the diffusion of innovation** beyond the scope of the 'usual suspects':
 - reinforce the 'EU innovation ecosystem' (see Horizon Europe proposal) by supporting entrepreneurial and innovation capacity development across a wide range of actors without distinction of geographical of type of innovation profile



R&I recommendations: the 5 dimensions of innovation



Social: Encourage **community buy-in** and support **local empowerment**

Technological: **Overcome the data deficit**, leverage digital solutions through demonstration, enhance **transparency** and **traceability of data**

Organisational/Institutional: **Bring together food systems actors** that have not traditionally worked together in innovation clusters

Managerial: Invest in **competence-building** across the food value chain, from primary producers (water and soil management), to innovators (entrepreneurial skills), SMEs and citizens (upskilling across the pathway areas)

Political: Establish High Level Working Groups to promote **policy alignment** informed by systems thinking





Coordinated by **VU**  **VRIJE
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www.fit4food2030.eu

#FOOD2030EU



Towards FOOD 2030
future-proofing
the European food systems
through Research & Innovation

www.fit4food2030.eu
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Nutrition, Health and Medicine: a case study

Dr Maarten van der Kamp
25 November 2020

EIT Food Education

OUR ACTIVITIES

EDUCATION

Attracting, developing and empowering talent to lead the transformation of the food system

EXAMPLES



[Global Food Venture Programme](#)

[Focus on Farmers](#)

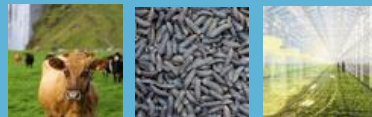
[Food for Thought](#)



INNOVATION

Fostering collaboration across the entire food system to develop innovative technologies, products and services

EXAMPLES



[SeaCH4nge](#)

[From Waste to Farm](#)

[Digital Twin Management](#)



ENTREPRENEURSHIP

Supporting innovative impactful entrepreneurs and startups to deliver new food innovations and businesses across Europe

EXAMPLES



[FeJuice](#)

[Delicious Data](#)

[Redefine Meat](#)



PUBLIC ENGAGEMENT

Engaging with people so they become change agents of the food system

EXAMPLES



[Annual Food Agenda](#)

[Food Unfolded®](#)

[Future of Food](#)



OUR PATHWAY TO IMPACT

ENGAGING THE BRIGHTEST MINDS

We equip the brightest minds all over Europe and beyond with the skills and knowledge they need to create a **sustainable food system with affordable food for all that is produced in fair and equitable ways.**

We inspire individuals to be at the forefront of innovation. As a result, they are equipped to:

- Drive change towards our **Societal Impact Factors**
- Support the EU's **Green Deal** and **Farm to Fork Strategy**
- Contribute to a **highly skilled workforce** in Europe
- Create **economic impact** through jobs and economic activity



SOCIETAL IMPACT FACTORS

Healthier diets

SDG 3.4 Addressing the Food Contribution to Non-Communicable Disease (NCD)

SDG 2.2 Tackling Childhood Obesity

Circular Food Systems

SDG 12.3 Tackling Food Waste & Food Loss

SDG 13 Reducing Food System Climate Footprint

SDG 2.4 Ensuring Food Security & Safety

SDG 9 Enabling Transition to a Circular Economy through Capacity Building

The Planetary Health Plate



#foodcanfixit

#EATLancet

IMPROVING FOOD TOGETHER

OPPORTUNITY

How do you feel **today?**

IMPLEMENTATION

A broad consortium

- Highly strategic issue – a global view
 - Experts from various communities
 - Interdisciplinarity
 - Including IFMSA
-
- Managing the cocreation process
 - Expertise in building high quality courses
 - Piloting before scaling – UN FSS

IMPROVING FOOD TOGETHER

COBENEFITS



Equipping the doctors of the future:
Developing the patients of the future

A place for debate:
Relating to experiences and practices

Contextualisation:
Social dimension of food



EIT Food is supported by the EIT
a body of the European Union

SPOTLIGHT: OUR CURRENT MOOCS

Superfoods: Myths and Truths	Engaging with Controversies in the Food System	Introduction to Food Science
Understanding Mediterranean and Okinawa Diets	Trust in Our Food: Understanding Food Supply Systems	Revolutionising the Food Chain with Technology
Food for Thought: The Relationship Between Food, Gut and Brain	Understanding Food Labels	Animal Feed Production: Feed Safety
Food and Nutrition: The Truth Behind Food Headlines	Consumer and Environmental Safety: Food Packaging and Kitchenware	Animal Feed Production: Feed Quality
The Human Microbiome	Understanding Food Supply Chains in a Time of Crisis	Circular Business Models for Sustainable Urban Food Systems
How Food is Made. Understanding Food Processing Technologies	From Waste to Value: How to Tackle Food Waste	Intellectual Property Management in the Food Sector: Safeguarding Your Trademarks in the Global Marketplace
Explore How Farmers Produce Food Sustainably	Farm to Fork: Sustainable Food Production in a Changing Environment	Science Communication and Public Engagement
Innovation in Arable Farming: Technologies for Sustainable Farming Systems	Improving Food Production with Agricultural Technology and Plant Biotechnology	Business Growth: Tackling the Scale-up Challenge



IMPROVING FOOD TOGETHER

QUESTIONS?