

SMART SPECIALISATION COOPERATION IN CENTRAL EUROPE





European Technology Platform Food for Life

Remko.Boom@WUR.nl – ETP leadership team member



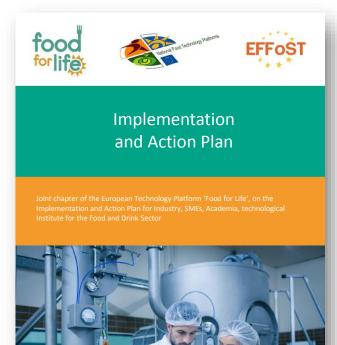


SPECIALISATION PLATFORM

FOOD FOR TOMORROW'S CONSUMER



Strategic Research and Innovation Agenda (SRIA)



Implementation and Action Plan (IAP) in preparation



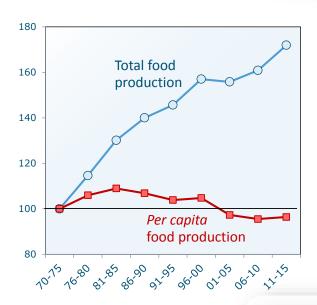


Triple challenge

Balance in diet to combat non-communicable diseases



How can we win back the trust of the consumer?



- Health
- Consumer trust
- Sustainability

9 Ways That Processed Foods Are Harming People

By Kris Gunnars, BSc

November, 2015 | 401,425 views | | 1 100 | 12K



Processed foods are bad.

THE

NHEALTHY

They are the main reason why

over the world are and sick

a population adopts a dlet high in processed

within a few years.

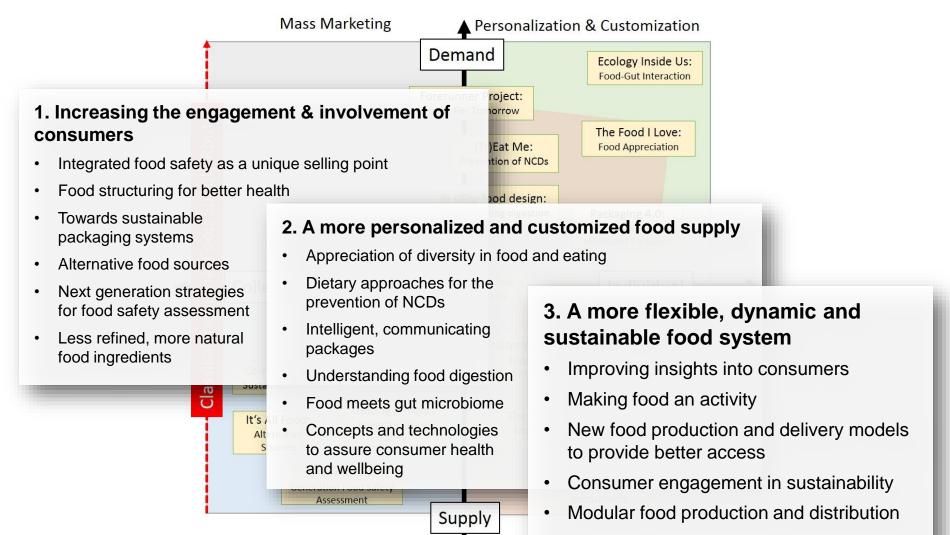
get sick.



How can we keep up with increased demands?







SMEs and Enterprises as Players





Data Sciences in Food according to the Research Agenda

Industry 4.0

- Production: forward control, flexibility in raw materials, mass customization, distributed production,
- Food safety and quality control: internet of food
- New chain models: distributed, consumer oriented, smart food grid
- New resources: mining for new (protein) sources
- Development: Plug 'n' Play environment for innovation

Consumer 4.0

- Better understanding: interpretation of feedback by deep learning
 Sensory panels, consumer reactions in larger, less defined groups
- Better engagement: citizen Science
 Offering active access to information
 Engaging consumers in research and innovation
 Involving consumers in decisions on sustainability (e.g., packaging)







Example: Pick-N-Pack consortium

Flexible robotic systems for automated adaptive packaging of food products

- Sensing module assesses quality of individual products packaging
- Vision controlled robotic handling module picks up, separates, places
- Adaptive packaging module

Wageningen University & Research

Danish Technological Institute

Tecnalia Research & Innovation

Catholic University Leuven

University of Manchester

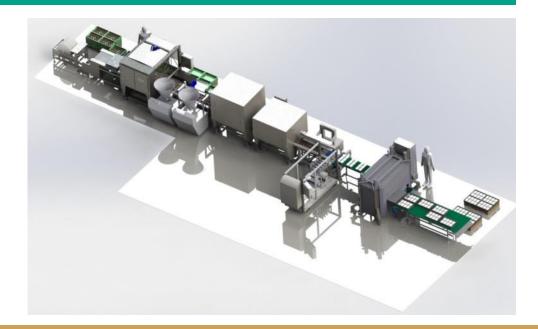
Fraunhofer AVV

Lacquey BV ITENE

Spectroscan Marel

Tecnalia-AZTI Cam-Tech A/S

XaarJet AB Marks & Spencer







Connecting across Europe



International public-private partnership

EU research funds, programmes and infrastructure

Connection between national PPPs

Regional/national/ international publicprivate partnerships

Expertise, culture and economic needs





Connecting across Europe



Internationa public-privat partnership

EU research programmes infrastructur

Connection I national PPP

ETP Food for Life

• EU wide public-private partnership aimed to create a common strategy for the European food sector

Regional and national partnerships

- Create and innovate food sector 4.0
- Communicate needs and expectations to ETP F4L

Together

 We will capitalize on Europe's collective expertise and diversity to expand Europe's leadership in food

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