



# Strategic Research and Innovation Agenda

**Bram Moeskops – Senior Scientific Coordinator**

# What is TP Organics?

## Individual ETPs

Bio-based economy	Energy	Environment	ICT	Production and processes	Transport
EATIP	Biofuels	WssTP	ARTEMIS	ECTP	ACARE
ETPGAH	EU PV TP		EUROP	ESTEP	ERRAC
Food for Life	TPWind		ETP4HPC	EuMaT	ERTRAC
Forest-based	RHC		ENIAC	FTC	Logistics
Plants	SmartGrids		EPoSS	SusChem	Waterborne
FABRE TP	SNETP		ISI	Nanomedicine	
TP Organics	ZEP		Net!Works	ETP-SMR	
			NEM	Manufuture	
			NESSI		
			Photonics 21		

## Cross ETP Initiatives

## Nanofutures

## Industrial Safety

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# Members of TP Organics

## Business representatives



Cooperation with the Agri Food sector group of the Enterprises Europe Network in terms of knowledge management, technology transfer, SME Instruments.



More than 300 active SMEs:



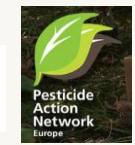
## International



## National Mirrors



## European CSOs



## Education and Science



Research Centers, Universities, Scientists, Advisory Services, Innovation Brokers



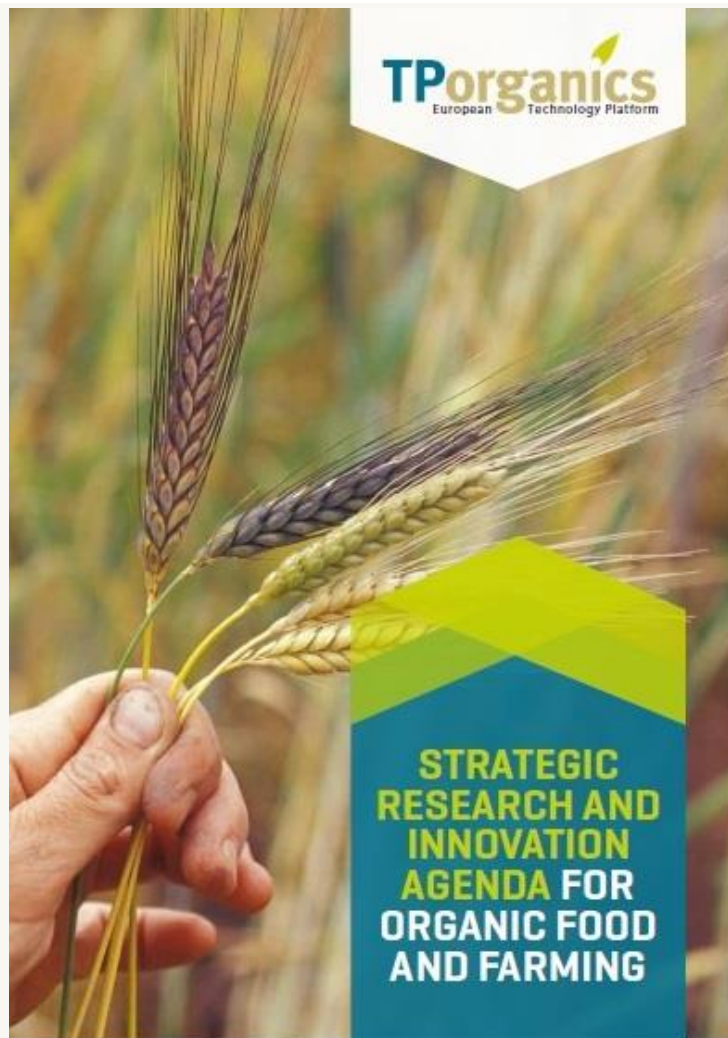
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## A participatory process

- Stakeholder Fora in 2013 and 2014
- Contribution of more than 40 experts
- Online consultation in four languages with more than 300 responses
- Consultation with international partners
  - strong interest, especially from African and non-European Mediterranean countries
- Consultation with other European Technology Platforms
  - Common topic on use of “Internet-of-Things” with ETP on Smart Systems Integration

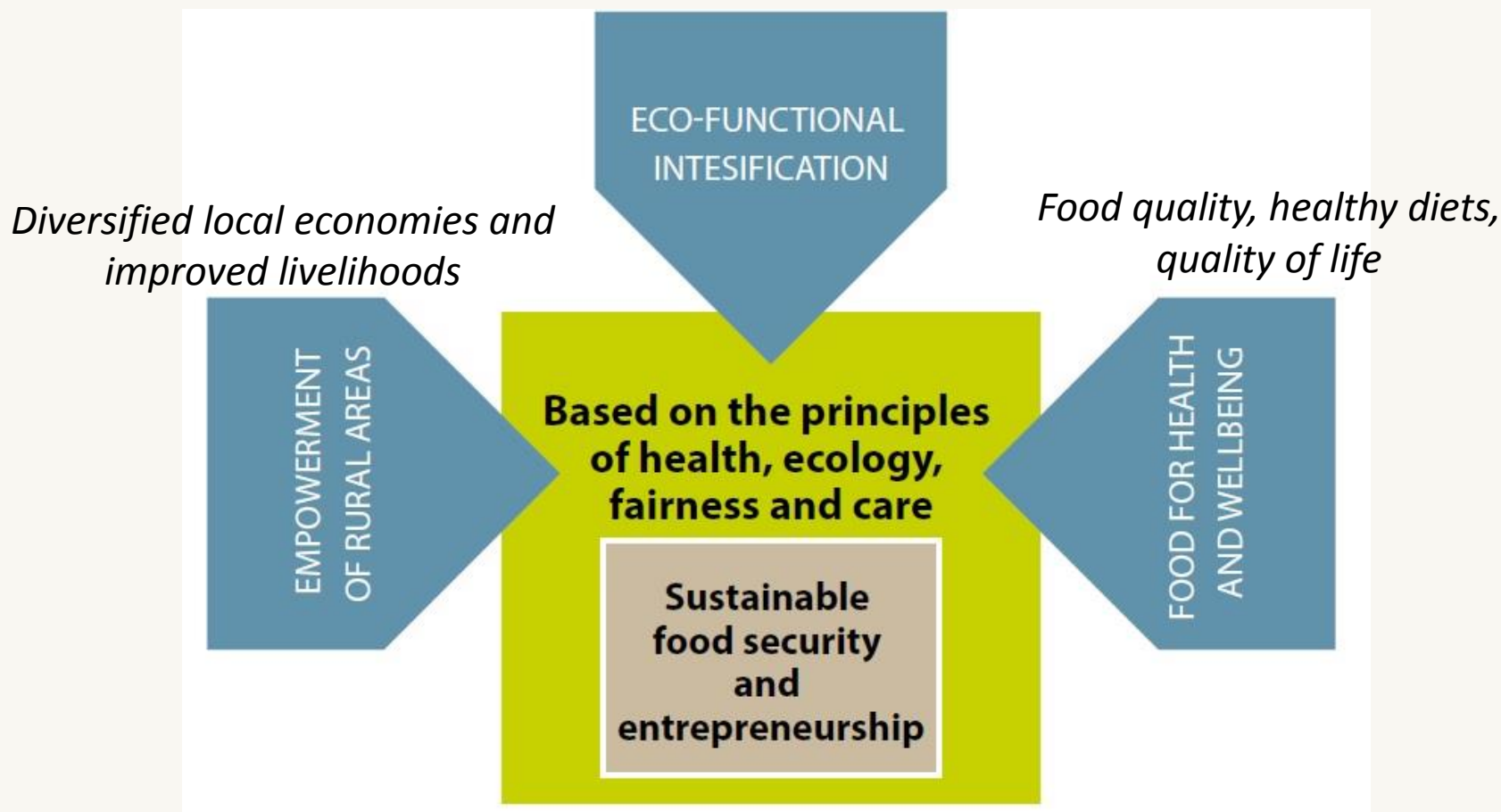
# Strategic Research and Innovation Agenda

## Publication December 2014



# Research vision

*Productivity, stability and resilience of agro-ecosystems*



# Empowerment of rural areas

## Supporting the development of a diverse organic sector

### ► Challenge:

- Organic farming contributes to many policy goals, but challenged by greater demand than supply
- Need to better understand obstacles for the sector and to develop coherent and well-targeted support programmes

### ► Expected impact

- Effective and targeted policy instruments supporting organic farming
- Improved organic certification
- Greater clarity on business opportunities
- Increased market transparency

# Eco-functional intensification

## Appropriate and robust livestock systems

### ► Challenge

- Organic farming is frontrunner in promoting animal health & welfare and local sourcing of feed, but more can be done

### ► Expected impact (example dairy production)

- Innovative grazing systems / improved roughage intake
- Reduced antibiotics use
- Better mother-infant contact



# Food for health and well-being

## Organic food processing concepts and technologies

### ► Challenge

- Most of consumed food, even if organic, is processed
- Need processing technologies that secure high-quality of organic food and have low environmental impact

### ► Expected impact

- Technologies compatible with organic principles
- Guidelines for organic food processors
- Improved quality of processed organic products

# Conclusions

- ▶ Investing in research and innovation for organic farming will support growth of organic sector
- ▶ Investing in research and innovation for organic farming will benefit the whole of agriculture
  - Contributes to the design of more sustainable production systems in
  - Contributes to the design of resilient business models.

# Way forward

- ▶ 10% of the Horizon 2020 budget for “Food security and sustainable agriculture” (Societal Challenge 2) should be dedicated to organic food and farming
- ▶ Strong implementation Organic Action Plan



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