

Lo scenario e le prospettive per la ricerca in agricoltura biologica nell'Unione Europea

QUALE RICERCA E QUALI STRUMENTI DI TRASFERIMENTO DELL'INNOVAZIONE PER L'AGRICOLTURA BIOLOGICA

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Oratore: **Paolo Carnemolla**

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ACCADEMIA
DEI GEORGOFILII

FEDERBIO
FEDERAZIONE ITALIANA AGRICOLTURA BIOLOGICA E BIODINAMICA

Mission of TP Organics

Bio-based economy	Environment	ICT	Energy	Production and processes	Transport
EATIP	WssTP	ARTEMIS	Biofuels	ECTP	ACARE
ETPGAH		ENIAC	EU PV TP	ESTEP	ALICE
FABRE TP		EPoSS	TP OCEAN	EuMaT	ERRAC
Food for Life		ETP4HPC	RHC	FTC	ERTRAC
Forest-based		euRobotics	SmartGrids	Manufuture	Waterborne
Plants for the future		NEM	SNETP	Nanomedicine	
TP Organics		NESSI	ETIPWind	SMR	
		Networld 2020	ZEP	SusChem	
		Photonics 21			
Nanofutures					
Industrial Safety					
ConXEPT					

To strengthen research & innovation for organics and other agroecological approaches that contribute to sustainable food and farming systems

Vision of TP Organics

Productivity, stability and resilience of agro-ecosystems

Diversified local economies and improved livelihoods

ECO-FUNCTIONAL
INTENSIFICATION

*Food quality, healthy diets,
quality of life*

EMPOWERMENT
OF RURAL AREAS

**Based on the principles
of health, ecology,
fairness and care**

FOOD FOR HEALTH
AND WELLBEING

**Sustainable
food security
and
entrepreneurship**

Business representatives

More than 300 active SMEs:



National Platforms



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



International



European CSOs



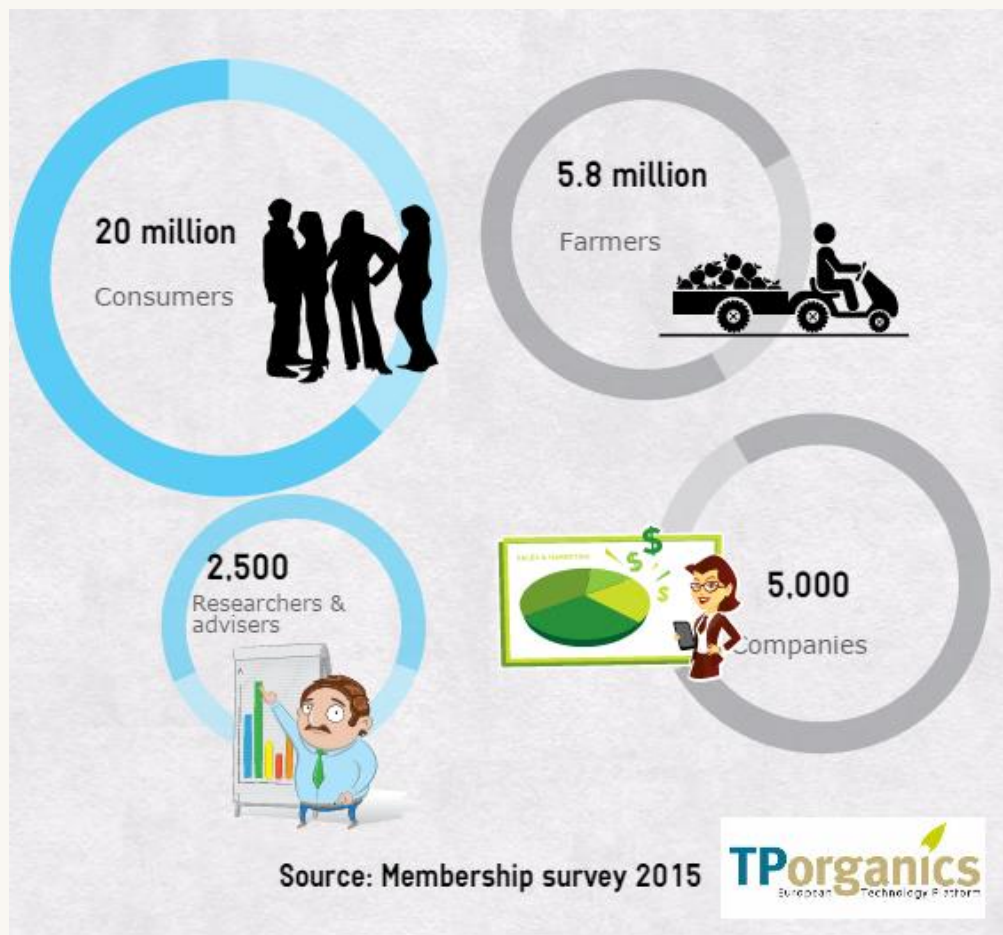
Education and Science



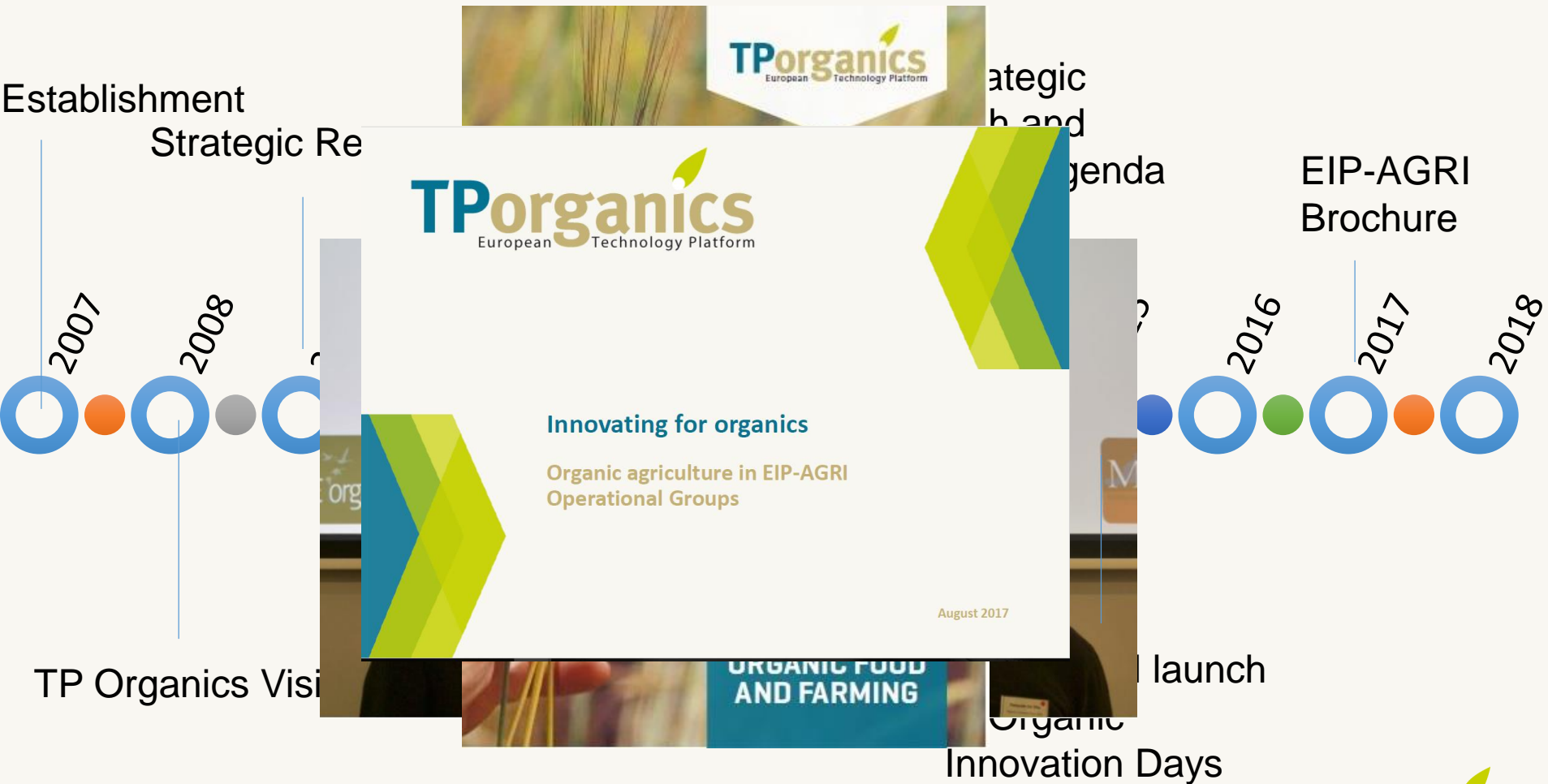
Research Centers, Universities, Scientists, Advisory Services, Innovation Brokers

TP Organics Members

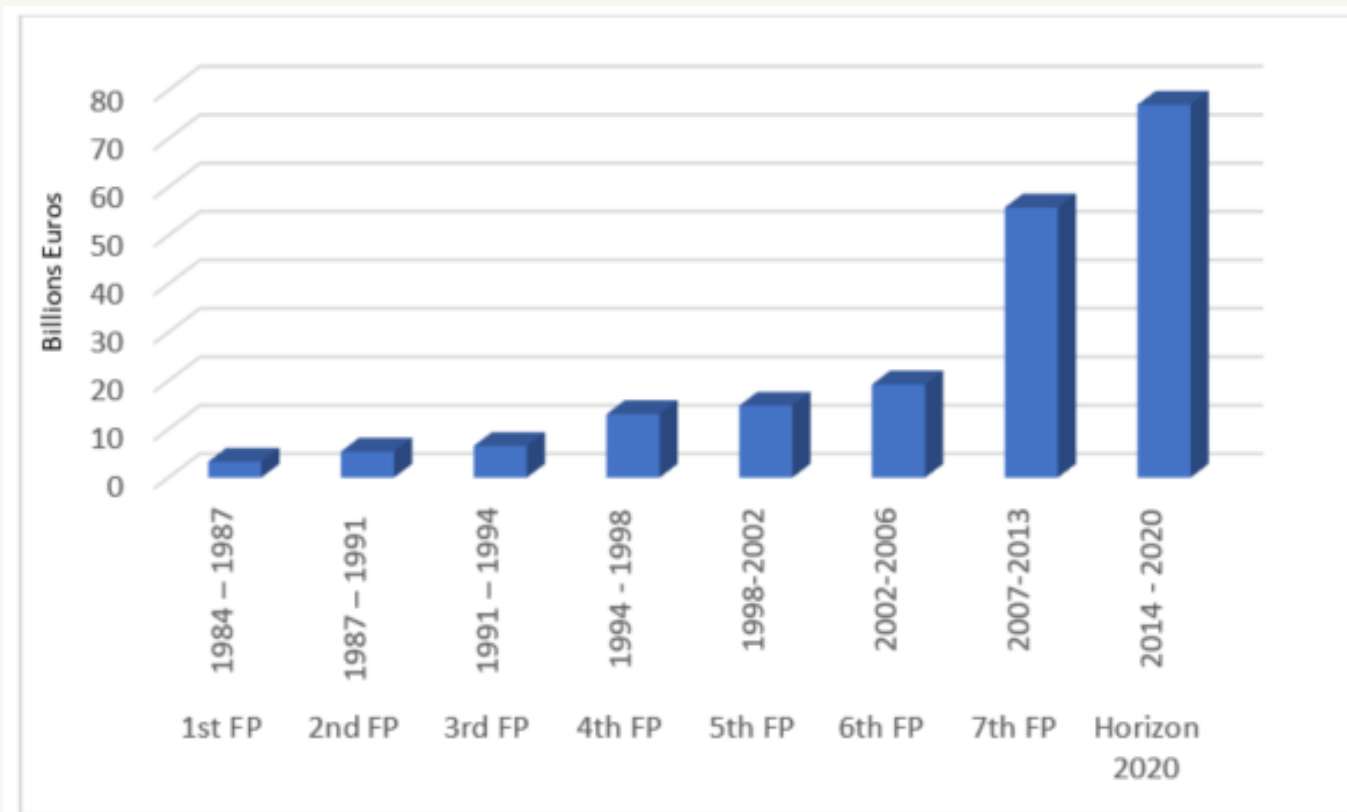
Reach of our members



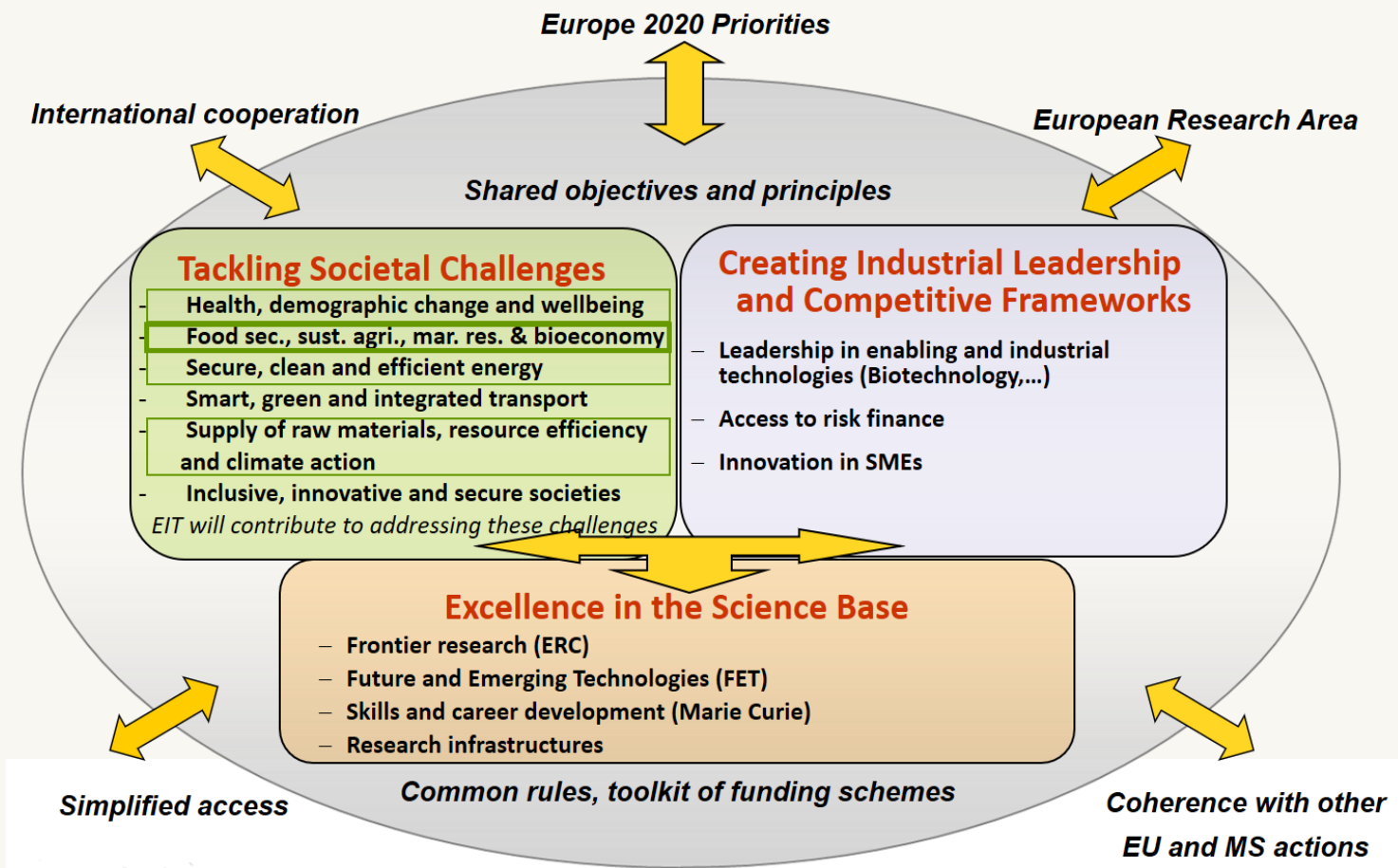
Activities and publications



Development of funding for EU Framework Programmes (billions €)



Organics in Horizon 2020



Source: Cuoco, E. et al. (2018)

Organics in Horizon 2020

The SC2 strand (“Food security, sustainable agriculture and forestry, marine and maritime research and inland water research, and the bio-economy”) is most relevant to agricultural research. SC2 is further divided into five specific programmes, of which the following are the most relevant for agricultural research:

2.1 Sustainable agriculture and forestry;

2.2 Sustainable and competitive agri-food sector for a safe and healthy diet;

2.4 Sustainable and competitive bio-based industries and supporting the development of a European bio-economy.

Organic agriculture is mentioned explicitly in the proposals for Horizon 2020 (European Commission, 2011). Specific programme 2.1 is implemented under direct management of the Directorate-General for Agriculture and Rural Development (DG AGRI) while the specific programmes 2.2 and 2.4 are implemented under the management of the Directorate-General for Research and Innovation (DG RTD)

Funding for organic farming R&I under the EUs Framework Programmes by programming period

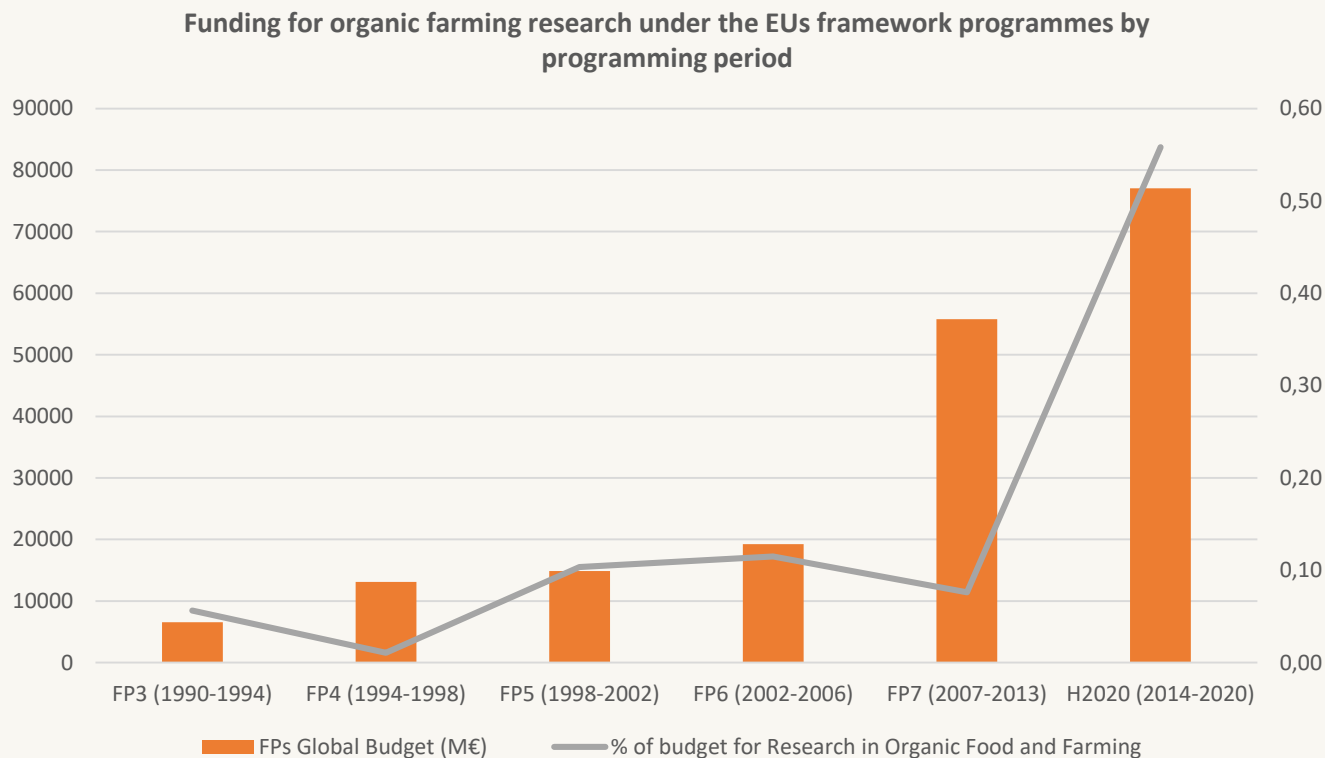
Budget for organic food and farming research under the EU Framework Programmes

Framework Programme	Budget for Organic Food and Farming Research (M€)	FPs Global Budget (M€)	% of budget for Research in Organic Food and Farming
FP3 (1990-1994)	3.7	6552	0.06
FP4 (1994-1998)	1.4	13121	0.01
FP5 (1998-2002)	15.4	14871	0.10
FP6 (2002-2006)	22.1	19256	0.11
FP7 (2007-2013)	42.5	55806	0.08
H2020 (2014-2020)	430*	77028	0.56

*THE TOTAL SUM DOESN'T INCLUDE CALLS 2020 AS THE INFORMATION ARE NOT AVAILABLE AT MOMENT FOR WRITING

Source: Cuoco, E. et al. (2018)

Funding for organic farming R&I under the EUs Framework Programmes by programming period



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Source: Cuoco, E. et al. (2018)

Future of Organics Research and Innovation

- » Influence legal texts of the 9th Framework Programme for Research & Innovation (2018-2019)
- » Publish new Strategic Research & Innovation Agenda (2019)

9th Framework Programme (FP9)

- » 9th Framework Programme for Research & Innovation (FP9)
 - » The EU's main funding instrument for research and innovation
- » TP Organics objective:
 - » Mission for the transformation of European food and farming systems towards more sustainability with at least 50% of EU agricultural land managed according to organic and agroecological principles by 2030
 - » Budget of 10% of the total budget for agricultural research for the organic sector as driver for change

9th Framework Programme (FP9) Timeline

- » 29 May: publication of legislative proposal by European Commission
- » From June 2018 on: discussion by Council and European Parliament
- » May 2019: European elections
- » Autumn 2020?: adoption of FP9 by Council and Parliament

9th Framework Programme (FP9)

TP Organics position paper

» Three narratives

- » Efficiency narrative: producing more with less
- » Consistency narrative: adapted to territorial, cultural and socio-economic contexts
- » Sufficiency narrative: avoid rebound effect

» Three pillars

- » Redesign of food and agricultural policies
- » New farming systems based on ecological approaches
- » Sustainable food systems for sustainable consumption

Sustainable food systems for sustainable consumption

- » Understanding drivers of sustainable food systems
- » Understanding consumer behaviour
- » Connecting consumers and producers
- » Minimal and mild food processing
- » Reducing food loss and food waste

New Strategic Research & Innovation Agenda

- » Aim: influence concrete calls for projects in Work Programmes of FP9
- » Be ready to provide input with concrete research needs through AOeL starting from autumn 2018
- » Publication: November 2019



THANK YOU FOR YOUR ATTENTION

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