

**TPorganics**  
Technology Platform

*Technology Platform for organic food and farming*

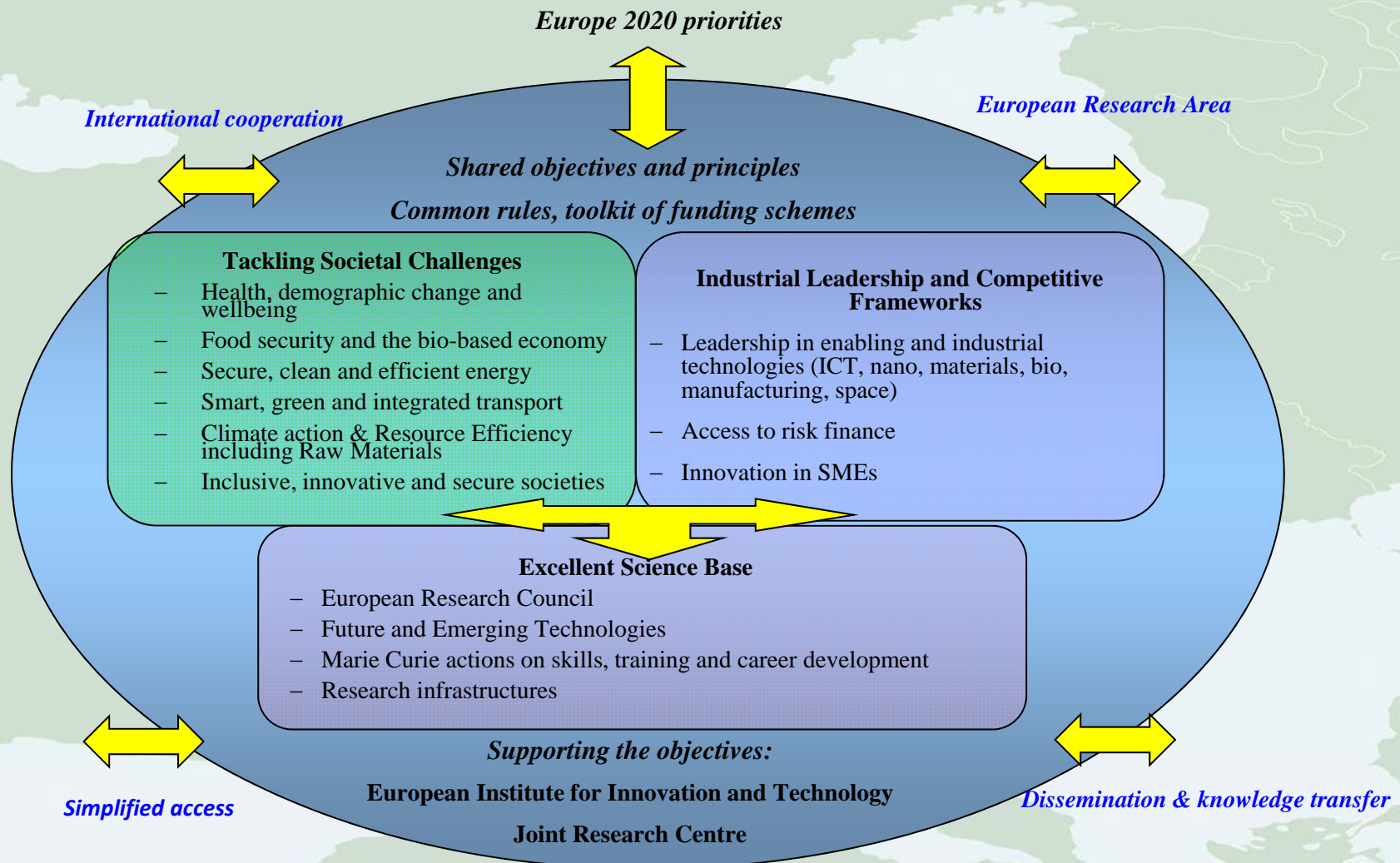
# **TP Organics Proposal for HORIZON 2020**

Action plan 2011

and comments to the first outline of EU  
Commission for parliament and Council

*Otto Schmid,  
IFOAM EU Vice-President for research*

# Horizon 2020 – Objectives and structure



Source: EU Commission – Presentation to Advisory Committee for organic farming

## Proposed funding (million euro, 2014-20)

Health, demographic change and wellbeing	8 033
Food security, sustainable agriculture, marine and maritime resources & the bioeconomy	4 152
Secure, clean and efficient energy*	5 782
Smart, green and integrated transport	6 802
Climate action, resource efficiency and raw materials	3 160
Inclusive, innovative and secure societies	3 819

\*Additional €1 050m for nuclear safety and security from the Euratom Treaty activities (2014-18). Does not include ITER.

Source: EU Commission – Presentation to Advisory Committee for organic farming

***Focus on Innovation-related Measures: A proposal for a European Innovation Partnership Agricultural Productivity and Sustainability***

**Rural Development Policy stimulating innovation:**

**Knowledge transfer**

**Cooperation measures (including pilot and demonstration projects)**

**Farm Advisory Services**

**Investment in physical assets**

**Synergies with EU Research Policy:**

**Horizon 2020 Challenge: Food security, sustainable agriculture & bio-based economy**

**Joint Programming Initiative 'Agriculture, food security and climate change'**

**Member State co-operation in the European Research Area (ERA-NET)**

**European Technology Platforms (e.g. Food for Life, Plants for the Future, etc)**

**SCAR (Standing Committee for Agricultural Research)**

Source: EU Commission – Presentation to Advisory Committee for organic farming

Farm Animal Breeding

[www.fabretp.org](http://www.fabretp.org)



<http://etp.ciaa.be>

[www.suschem.org](http://www.suschem.org)



Industrial biotechnology

European Aquaculture



[www.eatpnet.eu](http://www.eatpnet.eu)

*European Technology Platforms (ETPs)  
to close the innovation gap*



[www.biofuelstp.eu](http://www.biofuelstp.eu)



Agriculture Engineering Technologies

[www.manufuture.org](http://www.manufuture.org)



[www.forestplatform.org](http://www.forestplatform.org)

Plants for the Future



Global Animal Health

[www.ifah.be/Europe/EU  
Platform/Platform.htm](http://www.ifah.be/Europe/EUPlatform/Platform.htm)

[www.epsoweb.org](http://www.epsoweb.org)

[http://www.tporganics.eu/index.ph  
p/home.html](http://www.tporganics.eu/index.php/home.html)



**TPorganics**  
Technology Platform

# EU Commission first outline of Horizon 2020 for parliament & Council

- a single framework,
- full integration of innovation,
- a focus on the major societal challenges,
- a more inclusive approach,
- more emphasis on public-private partnership (e.g. new sustainable business models) and
- risk finance for research and innovation.
- **BUT THERE ARE STILL MAJOR GAPS**

## What are the gaps and deficits in first outline of Horizon 2020 – view of TP Organics

- **Too much emphasis on technological innovation (from technical experts) for the benefit of only few large businesses**
- **Assumption: only new knowledge creates innovation and not traditional knowledge or the combination of new & existing.**
- **Still a top down approach regarding knowledge generation (Knowledge based but not knowledge-shared!)**
- **insufficient inclusion of civil society, e.g. when assessing suitability and desirability of technologies**

## What are the gaps and deficits in first outline of Horizon 2020 – view of TP Organics – part II

- **Linked to a very much biotech industry influenced concept of the Bio-economy (role of agriculture reduced to producing cheap biomass – ecosystem services and social services neglected)**
- **Too much emphasis on resource efficiency and not resource-conservation/saving (not taking re-bounce effect into account)**
- **Socio-economic research mentioned but not fully integrated. Social innovation mentioned but in an isolated way**
- **SMEs important, is it to “help to make them bigger”??**



# Six potential themes of TP Organics for the 8<sup>th</sup> Horizon 2020 framework research programme –

*how is it taken up in first EU Commission outline*

- 1. Eco-functional intensification: A novel approach to global food stability and security**  
*=> ecological intensification is mentioned, but not clarifying if this relies on natural processes*
- 2. The economics of output/low external input farming and more resource efficiency and resource conservation/saving**  
*=> low external input/High output is not mentioned, however strong emphasis on resource efficiency*
- 3. Health care schemes for livestock**  
*=> preventive animal health care schemes and animal welfare is hardly mentioned.*

# Six potential themes of TP Organics for the 8<sup>th</sup> Horizon 2020 framework research programme –

## *how is it taken up in first EU Commission outline*

4. Resilience and “sustainability” as the predominant approach to secure farm productivity and economy in times of change

*=> The need for “adaptive capacities” of farms as condition for better resilience and less vulnerability to climate change, to scarcities and to other (financial, social and ecological risks) are not mentioned*

5. From farm diversity to food diversity to the health and well-being of citizens

*=> biodiversity is mentioned but not the need for a diversity of authentic food and sustainable consumption. No integrated health concept visible for health and wellbeing through.*

*Also a need for a diversity of research approaches – not just modern biotech, nano, etc.*

6. Create centers for innovation in farming communities

*=> Innovation partnerships often mentioned, however in a very technical orientation and not specifically linked to farming communities*

# Main messages to policy makers

## More emphasis should be given in Horizon 2020:

- Resource saving and better adaptability to climate change through eco-functional intensification and high output/ low external input farming agro-ecology and public goods orientation
- Not just technological leadership but also social leadership for a fair economy with more socio-economic research and innovation.
- Importance of broad and institutional knowledge base through participatory research approaches involving stakeholders based on the combination of new and traditional/existing knowledge

# Outlook

- Until now - DG Research supportive of organic sector research:
- **Several projects recently financed:**  
Organic Data network, Sustainable organic and low input dairying (SOLID), Innovative strategies for low input and organic farming systems
- **Some projects in the pipeline:** Managing semi-natural habitats, plant growth bio-effectors, Improve animal health in organic farmign systems.
- **However, not clear yet how the Organic food and farming sector/research will be considered in Horizon 2020**
- **We need committed people and political pressure!**

# Thank you for your attention

- For the opportunity to present our ideas here today
- Those that have provided valuable feedback
- To all those that have supported and contributed to TP Organics

For further information see  
[www.tporganics.eu](http://www.tporganics.eu)



EOCC



*Cooperation with the Agri Food sector group of the Enterprises Europe Network in terms of knowledge management and technology transfer.*



**TPorganics**  
Technology Platform