



Maria Gernert
TP Organics



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AGRICULTURE & INNOVATION

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Experimenting with new processes and technologies
including digitalisation

EIP-AGRI Workshop Conversion to organic farming

TP Organics – European Technology Platform for organic food and farming

- 127 members from the whole organic value chain
- **Mission:** strengthen research & innovation for organics and agroecological approaches that contribute to sustainable food and farming systems
 - ✓ Shaping research & innovation agendas in Europe
 - ✓ Promoting research participation and knowledge exchange





Why digitalisation in farming?

- To improve the resilience of the agri-food system and optimise the use of resources – to help us do better what we are already doing
- To reduce labour intensity (e.g., weeding robots)
- To improve understanding of processes on the farm
- To support farmers in their decision-making
- To provide consumers with trust through traceability tools



Example of ÖMKi on-farm living lab

Agroecology-focused nationwide participatory experimentation network

Aim: improving and/or developing new organic/agroecological practices, products, technologies and services



Sensors for developing customised feeding and disease prevention system

2 organic farms in Eastern Hungary

- Collection of data on the nutritional processes, health status and weight gain of free-range cattle
- Optimisation of husbandry technology and feeding
- Ensuring effective detection of diseases and the application of individual veterinary procedures adapted to the biological needs of the animals
- Individual and on-farm group workshops, organisation of field events
- Stakeholders: farmers, researchers, advisors, IT experts, sensor developers

Outcomes:

- ✓ Introduction of new sensors into organic animal husbandry practice
- ✓ Accurate monitoring of cattle at individual level, ensuring animal welfare





Save the date: Organic Innovation Days 2022

- **Only EU event on organic and agroecological research & innovation**
- Unique opportunity to meet members of TP Organics and EU decision-makers
 - **11/10:** Launch of TP Organics' new study on organic living labs and lighthouse farms at research & knowledge centre Inagro (Flanders, BE)
 - **12/10:** High-level policy debate at BluePoint Brussels
- **Stay tuned: tporganics.eu/organic-innovation-days**



Outlook

- **R&I for organic is a driver for change in the whole agri-food system**, but funding has been very low in the past. R&I budgets for organic under Horizon Europe need to be in line with the Farm to Fork target of 25% organic farmland.
- **EU Organic Action Plan:** At least 30% of the budget for R&I actions in the field of agriculture, forestry and rural areas will be dedicated to topics specific to or relevant for the organic sector.
 - TP Organics will monitor the implementation of this target.
- Bigger organic companies should take responsibility and contribute to research funding.
- **Benefits vs. risks of digitalisation:** data ownership, energy use...
 - New technologies should support farm management rather than taking it over.

TP ORGANICS' VISION FOR RESEARCH & INNOVATION TO TRANSFORM FOOD AND FARMING IN EUROPE

Research & innovation for transition



Moving organics forward



Climate-resilient, diversified farming systems



Redesign of policies from local to EU level



Sustainable value chains for better food systems

Sustainable food & farming systems in Europe



Efficiency



Sufficiency



Consistency

Thank you for your attention!

Let's stay in contact:

   **@TPOrganics**

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