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Metaprogram METABIO

Moving to predominant Organic Agriculture

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To address scientific and societal challenges that require the mobilization of a wide range of disciplines, INRAE has set up cross-disciplinary research programs called "metaprograms".

The new metaprogram "Moving to predominant organic agriculture" aims to explore the hypothesis that the national supply of organic products would become the majority, in a context of strong demand and agro-ecological transition.

What are the issues, the levers and the consequences of such a change of scale of organic agriculture throughout the whole agri-food chain?

The metaprogram is based on:

- An approach including the whole agri-food system.
- Interdisciplinary scientific communities.
- INRAE experimental facilities that are partly or completely converted to organic agriculture.
- Close interactions with partners and stakeholders.

The aim is to develop proposals, scientifically substantiated, to anticipate the consequences and accompany the development of organic agri-food systems.

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METAPROGRAMME
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Priority 1. Conditions for a large-scale transition and its support measures

- Co-design of diversified and multi-performant systems
- Impact evaluation and trajectory analysis of different organic agriculture development scenarios
- Collective dynamics and individual commitments for radical transitions
- Public actions and market organization

Priority 2. Resources to be implemented for sufficient and sustainable production

- Loop of biogeochemical cycles and soil functionality
- Plant and animal genetic resources
- Feed resources for animals
- Natural resources for animal and plant health
- Know-how and Work

Priority 3. Processing, conservation, and product qualities

- Development of biocompatible conservation and processing techniques
- Management of the heterogeneity and the variability of raw materials in organic agriculture
- Impacts on product qualities, environmental and human health

Priority 4. Coexistence of production systems

- Managing the diversity of production models
- Access to resources (especially soil, water and work)
- Strategies and consequences on organic markets

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