



AGROECOLOGY EUROPE FORUM 2021  
Session 1: Agroecology for climate action

**atmosterra**

LLAURANT EL CEL,  
RECARBONITZANT EL SÒL

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“TILLING THE SKY  
RECARBONIZING THE SOIL”

# Atmosterra!?



An initiative of different Catalan and Spanish organizations linked to organic/ agroecology:  
Farmers, Scientists, Distribution, Food service, Consumer organizations, NGOs, Public sector

## Objectives

Generate an open space for meeting, exchange, etc to carry out a process in order to jointly promote and develop the transformation of the agri-food system.

Two-days meeting: 16 + 17 October 2021, Barcelona

- Diagnostic
- Conditions
- Challenges

Next steps: share knowledge through the website and further activities (promotion, working groups, incidence, research...)



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# Atmosterra'21 – Diagnosis



- Peak in different materials and exceed of renewal rate in some “renewable” resources
- Energy obtained by invested energy presents a decreasing curve (→ inefficiency)
- A spiral between increase of production costs and loss of resilience of the food system
- Intensive livestock farming contributes up to a 70% of the protein in western food and is the main source of GHG in the primary sector
- Significant increase of GHG in the rest of the food chain (transport, transformation, refrigeration, waste)
- Ecosystem crisis cannot be solved only with technological changes
- In terms of Social metabolism, we are in a transition to a new regime doing without fossil fuels
- The CAP and the WTO have been a key factor in the current political immobility
- Soil is a large carbon reservoir with its visible and tangible ecosystem properties

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## Atmosterra'21 – Conditions



- ✓ A specific focus on soil, soil fertility, diversity of crops and reduction of tillage
- ✓ Recognition of existing agricultural practices that have been shown to be efficient to carry out the change of the model
- ✓ Need for funds for cogeneration of knowledge for a new agronomic paradigm
- ✓ Transformation of the food system requires social and administrative support
- ✓ Intergenerational and community knowledge transmission must be made visible and remunerated
- ✓ The role of women in the transition towards a fairer, healthier and more sustainable diet is essential
- ✓ Alliances and cooperation between the actors of the food system are needed to make visible the actions that are already underway to transform the model and its governance
- ✓ The criteria for local, direct, short supply chain should be strengthened
- ✓ Local consumption, based on a Mediterranean diet, grown organically (on an agroecological basis) and with a fair relationship along the supply chain must be promoted and expanded

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# Atmosterra'21 - Challenges



- Reconstruction of healthy new diets, based on the Mediterranean diet
- Recover dry land farming practices and increase legume crops for human and animal use
- Achieve efficient local logistics
- Improve the energy autonomy of farms
- Integrate the farmers in the food transition, logistics and pricing
- Connect and scale up agroecological realities
- Take advantage of and attract funds to develop agroecological living labs for co-creation
- Put pressure on the governments and the administration to develop intersectoral policies and allocate a budget to attend, support and develop the processes and needs expressed

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## Atmosterra – Policy recommendations



- **The Soil** (management) is fundamental in the decarbonisation/ recarbonisation process and must be considered in any action!
- A **System approach** for food and farming, including all actors of the supply chain attended by appropriate funds and real participatory research approaches, is crucial!
- Valorisation of **community knowledge transmission** and **gender** issues are essential!