

# Technology, Knowledge Transfer, and Awareness Building Provisions to support Fossil Energy Free Technologies and Strategies Diffusion

## Main results / outcomes

The wide range of FEFTS presents a challenge for farmers in deciding the best fit. Regional discrepancies in the comprehension and acceptance of these technologies exist. Limited real-world demonstrations hinder adoption. Crowded rural electricity grids can obstruct clean energy production. Misunderstanding about energy costs, like overlooking indirect inputs like fertilizers, is common. Awareness about FEFTS is generally low, from farmers to policymakers. Extension services often lack FEFTS technical expertise. Communication gaps persist at different levels.

## Practical recommendations

- Enforce **AKIS** players to participate in FEFTS promotion to the farming processes.
- Establish "**FEFTS innovation brokers**"
- Promote **localized standardized technical solutions**
- Support **FEFTS demonstration projects**
- Encourage **flexibility schemes and energy storage**
- Promote **data sharing**: Encourage the sharing of standardized, anonymized data on farm energy balance for policy development and farmer training.
- Implement "**Train the trainers**" programs
- Organize **targeted workshops for farmers**
- Create **transfer centres** in all rural areas to provide close advisory to increase FEFTS diffusion.
- Include **more engineering disciplines** in advisory/extension services to support Agronomists in technical issues.
- "**Train the Farmer**" programs
- Utilize **digital tools**: Use AI and social media for efficient knowledge transfer and communication.
- Highlight **success stories**



Fig 1: Image representing the advisor's support to the farmer.  
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## Further information

The website of the AgroFossilFree project provides many resources concerning technology, knowledge transfer, and awareness building issues relevant to the defossilization of the European agriculture.

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

## About this abstract

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**AgroFossilFree** is a H2020 multi-actor project that will evaluate the current status in EU agriculture regarding energy use and assess existing needs, allowing farmers to optimize agricultural production through more efficient energy use and reduced GHG emissions, resulting in economic, agronomic and environmental benefits. AgroFossilFree will create a framework under which critical stakeholders will cooperate to evaluate and promote the currently available Fossil-Energy-Free Technologies and Strategies (FEFTS) in EU agriculture. The project is running from October 2020 to September 2023.

**Website:** [www.agrofossilfree.eu](http://www.agrofossilfree.eu)



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