

# AgroFossilFree

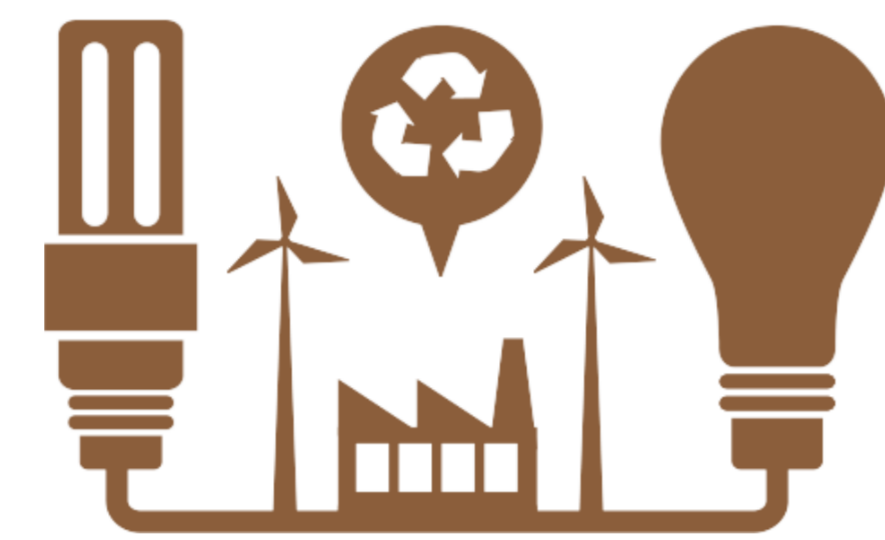
## Strategies and Technologies to achieve a European Fossil-Energy-Free Agriculture

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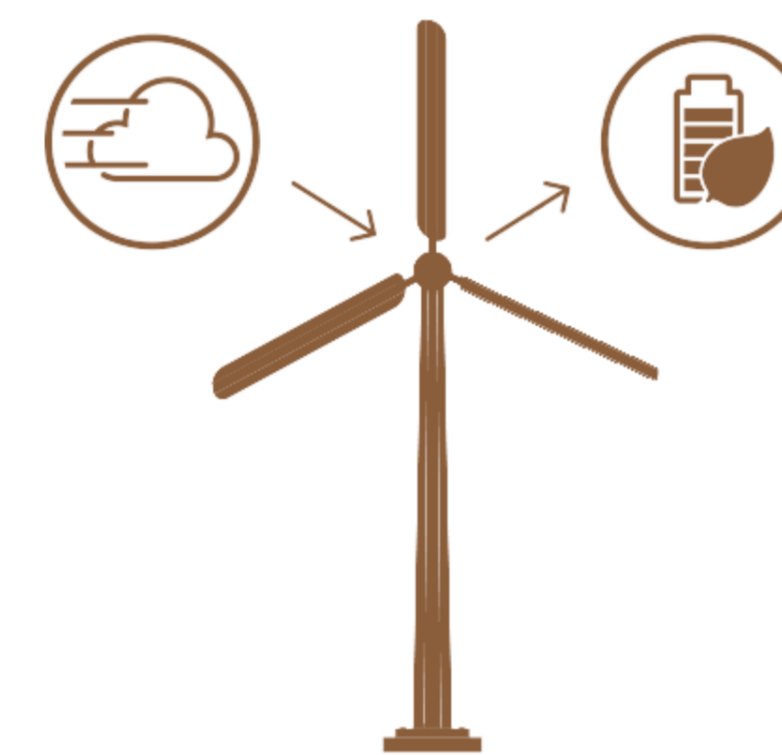
### Problem statement

Global agriculture relies on fossil resources for covering most of its energy needs and is a main energy consumer and greenhouse gases (GHG) producer.



Novel technologies and strategies related to more sustainable energy production, efficient use and GHG emissions' reduction are already applied in most economic sectors with very positive results.

Agriculture was till recently not identified as a main application domain and therefore such technologies are not widely adopted by farmers.

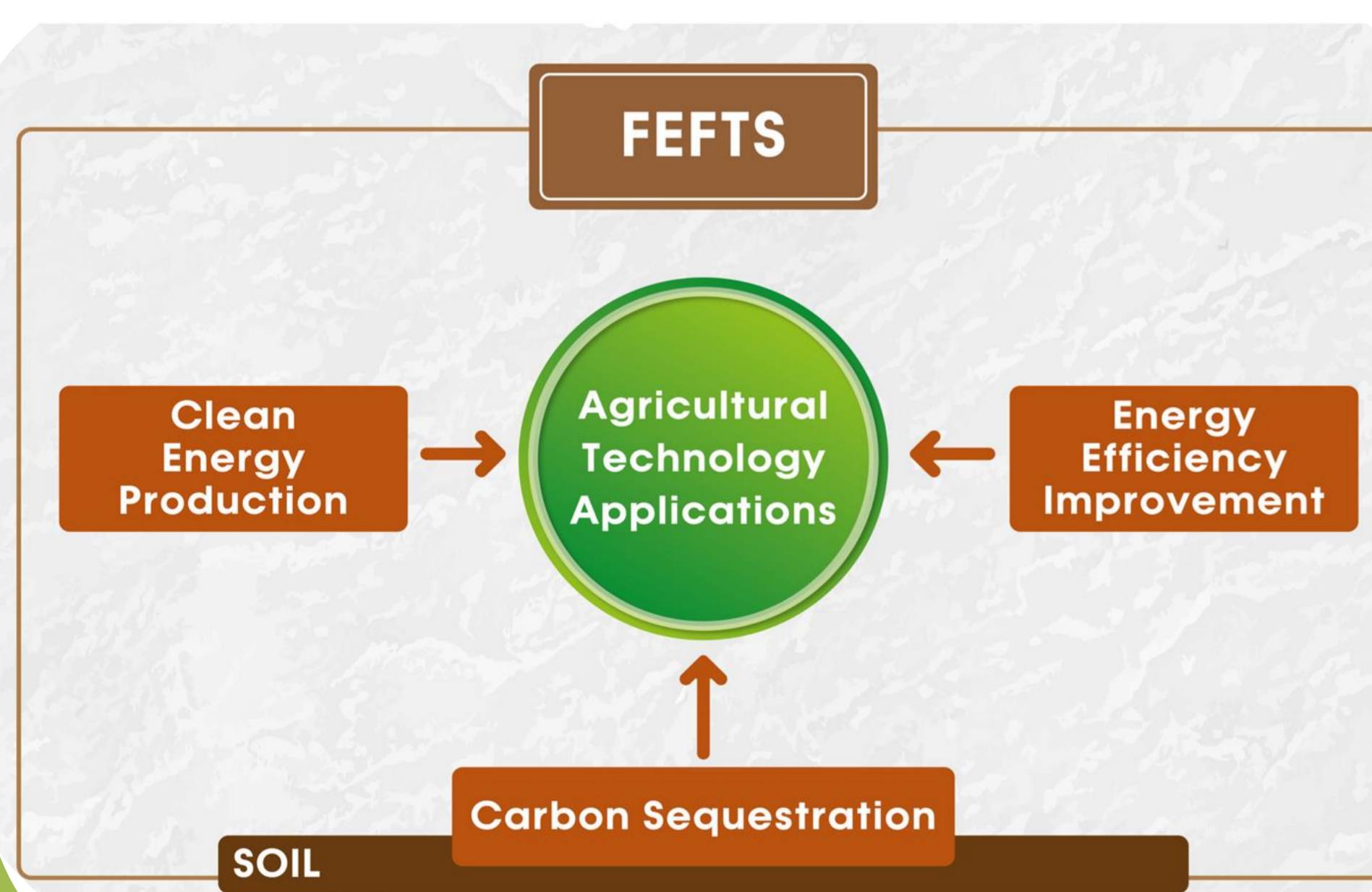


### How to overcome this problem?

Only when agricultural stakeholders gain knowledge and training on technological advancements in energy sector will agriculture be able to fully align with the related policies, frameworks (EU Green Deal) and sustainable food practices.

### What is FEFTS?

FEFTS (**Fossil-Energy-Free Technologies and Strategies**) refer to the tools that are required to address cleaner and more efficient energy production and use in agriculture with reduced GWP.



### What AgroFossilFree will do?

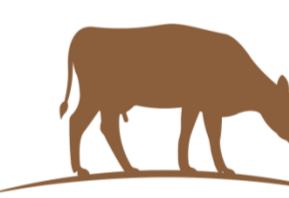
Creation of a framework under which all core stakeholders will cooperate in order to evaluate and promote the currently available FEFTS in EU agriculture to decrease or even eliminate the use of fossil energy in the 3 main production systems:



**Open Field**



**Greenhouses**



**Livestock**

### Objectives

- 01 Assess and evaluate the current energy use status in EU agriculture
- 02 Identify existing needs and interests for the future farm energy profile
- 03 Identify and register available FEFTS
- 04 Explore existing financing tools for de-fossilising activities
- 05 Collaborate with all relevant stakeholders for FEFTS integration EU agriculture
- 06 Create an AgEnergy online platform with all available FEFTS
- 07 Design a Decision Support Toolkit to propose optimal integrated solutions for EU farmers
- 08 Propose a FEFTS research roadmap and policy guidelines to de-fossilize EU agriculture

### Expected Results

- 1700 FEFTS identified and categorized
- 400 FARMERS' NEEDS ASSESSMENT regarding energy use
- AG-ENERGY PLATFORM with 800 FEFTS displayed
- POLICY GUIDELINES on the de-fossilisation of EU agriculture
- 50 FEFTS "PRACTICE ABSTRACTS" (20 open-field, 10 greenhouses, 20 livestock)
- 3 INTERACTIVE INNOVATION MULTI-ACTOR WORKSHOPS in each "hub"
- 3 TRANSNATIONAL WORKSHOPS
- 1 BROKERAGE EVENT



AgroFossilFree H2020 Project



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