



Energy efficiency in agriculture and agribusiness

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Energy efficiency

Energy = input of agricultural production

➤ **Direct energy consumption**

- fuel in tractors

➤ **Indirect energy consumption**

- fertilisers
- fuel for the transport of animal feed

Energy consumption varies from one sector, one production system, one region to the next

Field crops	Transport, fertilisers
Fruit and vegetables	Heating and lighting
Livestock production	Heating, ventilation, lighting
Storage	Drying, cooling

Existing initiatives

Arable crops sector:

- **The process of progress rapeseed Diester biodiesel (CETION/Groupe AVRIL/Diester Industrie, France)**
- **The EU beet sugar partnership (CEFS, CIBE, EFFAT, EU)**
- **The alfalfa drying industry initiative (Coop de France dehydration) (France)**

Fruit and vegetables Cogeneration (NL)

Advisory services Farm energy service (NFU-UK)

Research

- **“Energie positive Programme” (Coop de France)**
- **TESLA Project under Intelligent Energy Europe**

National programme: Finland

Better Energy Efficiency: the way forwards

Upstream and downstream energy consumption should be taken into consideration

Energy efficiency programmes should be voluntary for farmers (costs/investments/profits)

The uptake of energy technologies without putting additional burdens on farmers should be boosted

Energy efficiency should be eligible for research programmes

Different policy areas should be consistent such as between energy and the environment (biomass cascading, pesticides ban)



Thank you

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