Agriculture as bio-energy supplier

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Historical perspective: agriculture as supplier of services

- Food
- Feed
- Fuel
- Fibre
- Fun
- Flower
Historical perspective: agriculture as supplier of services

- **Agriculture**
  - Food
  - Feed
  - Fun
  - Flower

- **Fossil sources**
  - Fuel
  - Fibre

Historical perspective

- **1st generation of biofuels: controversial**
  - food-fuel debate
  - Sustainable?

- **2nd and 3rd generation of biofuel**
Undervalued biomass: agro-residues & bufferstrips

Period shifting: cover crops

No food-fuel competition: contaminated lands

Combined F’s: flower and fuel with short rotation coppice

Thank you!

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