



Farmers & Foresters´

Opportunities producing
renewable energy -
Copa & Cogeca view

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copa***cogeca**
european farmers european agri-cooperatives

European Green Deal

- * The 2030 Climate target plan: **55% reduction of GHG** emissions 2030 vs 1990; lowering fertilizer use, increase organic farming etc.
- * Energy sector, by **2030**
 - * Reduction by 1/3 of oil consumption
 - * Reduction by 1/4 of gas consumption
 - * Electrification needs to reach 30 %
 - * Double the renovation of building
 - * RES 40+x %, RES - T 24%
- * Hydrogen?



Renewable heat

- * Wood-fired central heating systems
 - * split logs, wood chips, pellets
- * District heating system
 - * building & operation; use of own wood from thinning etc.
- * Combined heat & power plants
 - * Additional production of electricity



Renewable electricity

- * Windpower – rent of areas etc.
- * Hydropower – small power stations
- * Biogas – cooperation, own feedstock, upgrade manure
- * Combined heat & power generation plant
 - * Using low value wood, forest residues etc.
- * Photovoltaic
 - * Use of roof & idle areas
 - * Increase self consumption by use of store capacity
 - * Emergency power



Liquid biofuels

- * Additional high protein feed is made available (substitution of soy imports)
- * Vegetable oil – own fuel for machinery & protein feed
- * Commodities as feedstock – fitter market (demand)
- * Future perspectives – advanced biofuels (FT-synthesis) & hydrogen



Prospects & requirements

* Benefits:

- * Create additional income on farm level
- * Higher resilience and independency on farm level
- * Add value by conversion of own feedstock

* What is needed?

- * level-playing field => Internalization of fossil fuels ´ external costs
- * longterm stable policy framework
- * logistic and storage capacity; grid capacity





Thank you for your attention !

