



Energy from biomass

an economic opportunity for Europe's region

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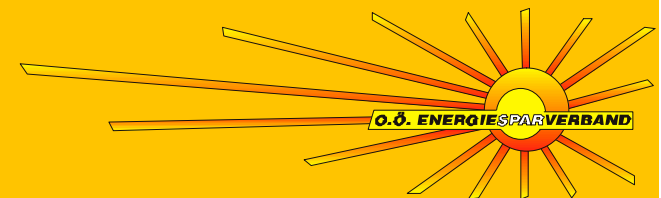
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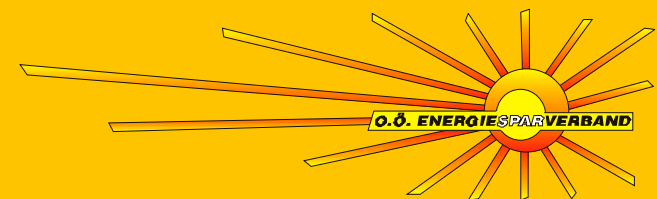
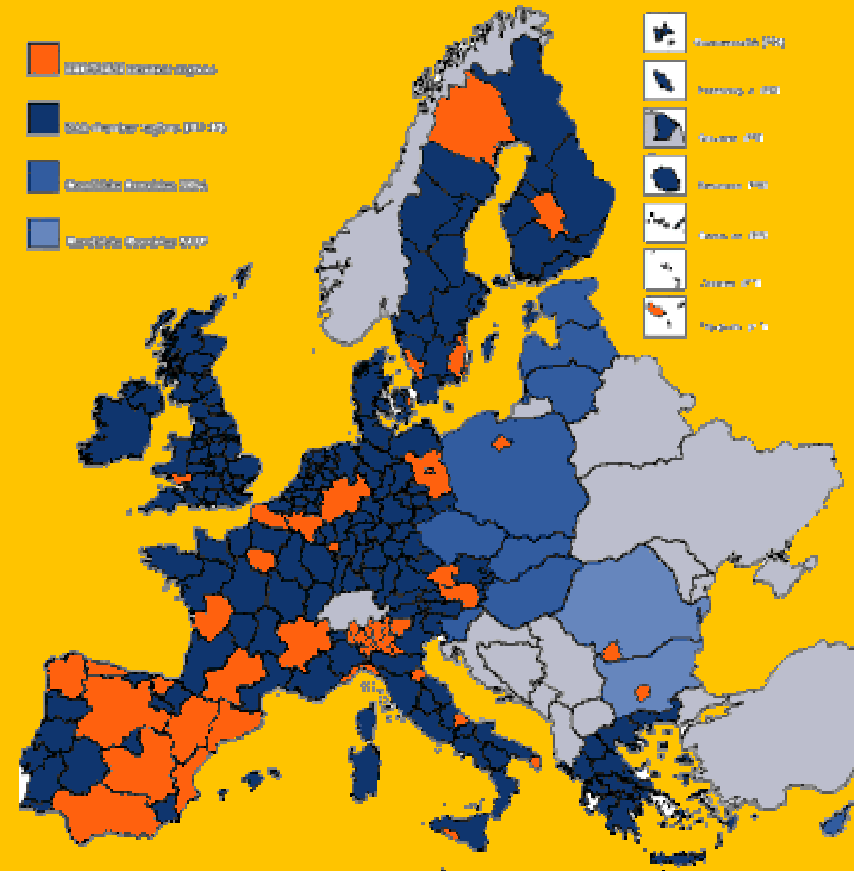
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ESV-Design
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FEDARENE

- European network of regional and local actors, active in energy efficiency, renewable energy sources and environment protection
- mostly regional and local agencies implementing policies and programmes for their governments
- presently 65 members, office in Brussels



Energy Action Plan of Upper Austria

1994 - 1999

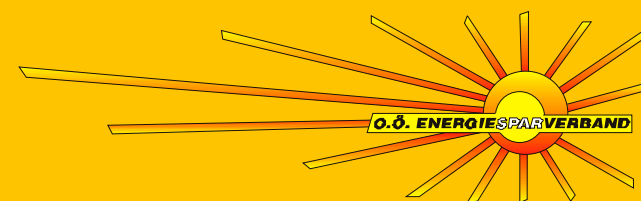
30 % renewable energy (14 % hydro, 14 % biomass, 2 % solar)
energy consumption in new housing reduced by 30 %

2000 - 2010

double biomass & solar
increase energy efficiency by 10 %

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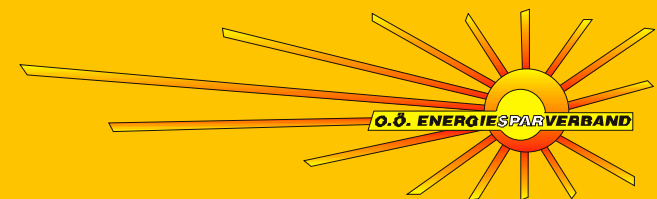
regional energy agency
energy efficiency, renewable
energy & innovative technologies
main funding: regional government
services to private households, SMEs, public bodies



Why energy from biomass?

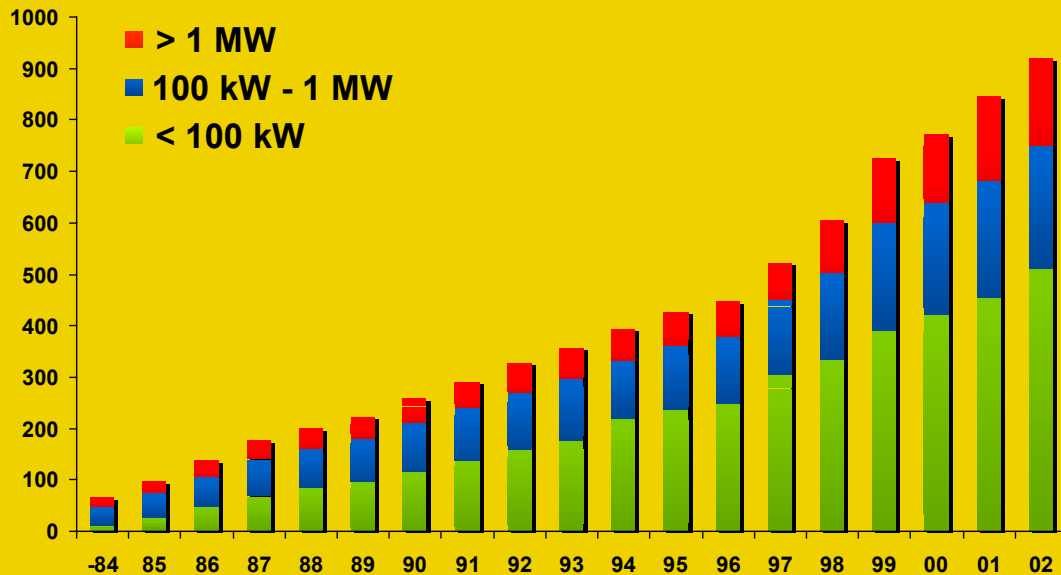
Economic considerations

- local job & income creation (15,000 jobs in Austria)
- security of supply & decrease of import dependence (3 billion Euro/a in Austria)
- emission trading costs
- innnovation
- other negative economic impacts of climate change

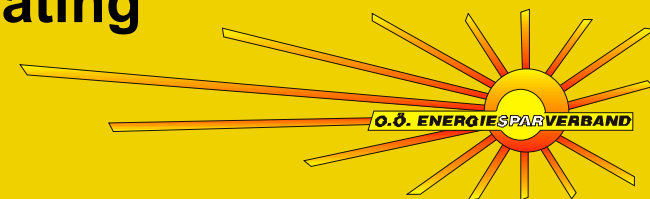


Biomass in Upper Austria

capacity in MW



- 14 % of total energy consumption
- 15,000 biomass heating installations
- 200 district heating plants
- > 100 municipalities use biomass for heating



Examples & success stories



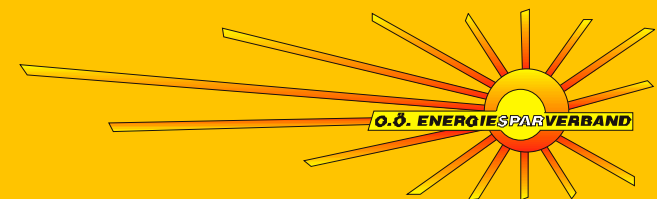
- automatic wood pellet heating systems



- biomass district heating networks



- large-scale CHP plants



Promotion of biomass market development

goal:

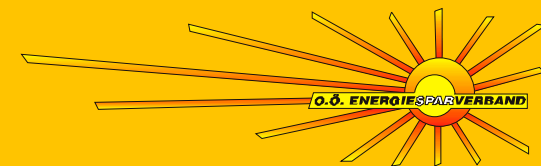
double modern biomass installations

"create demand":

- energy hotline
- energy advice
- publications
- competitions
- financial support
- legal measures

"meet demand":

- training & education
- research & demonstration
- Third Party Financing
- Oekoenergie-Cluster



European Pellets Conference

Markets & technologies

3/4 March 2004
Wels/Austria

- Pellets markets around the globe
- Innovative technologies projects, products & services
- Research & development (R&D)

Call for Papers deadline: 30 October 2003

www.esv.or.at/pellets04

part of

World Sustainable
Energy Days 2004
2004

