Biomass in Czech Republic

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Biomass in modern history

- 1930s: 20 % of ethanol in gasoline
- 1990s: methylester of rapeseed oil widely used
  - X speculations, high subsidies
- EU protests led to lower subsidies
- only export
- local wood heating (villages, towns)
- late 90th, first municipal heating systems
Biomass in 21st Century

- Progress in cultivated biomass
- VÚZT, VÚRV, VÚKÖZ,
- BIOM CZ - expert association, member of EU BIOM - publications, research, lobby
- + producers of technologies

Political frame unfavor for RE (pro-atom and coal solution X D. of Env.)
Biomass targets
according to Action Plan of Biomass for 2008 - 10

• Electricity (ČR by EU): 8 % RE in 2010
  State: 4,5%
• Fuels (for all EU): 5,75% in 2010,
  10 % in 2020
• Energy savings: 20% in 2020
  + 20 % RE in 2020
• Potencial of biomass in CR: 180 PJ
State in 2005

• Heat: 40 mil. MWh
• Electricity: 500 000 MWh = 0.7 % el. pr.
  = 1.5 - 2 % Primar energy production
• 33 % of RE in industry
• 50 % in households
• export of biomass = 120 mil. Euro
  (75 % MERO, 25 % wood waste)
Food safety

- 36 - 50 % of land dedicated to food production
- 38 - 50 % for energy production
- Potential of 110 - 160 PJ just from productive land
- the biggest part for wood
- 25 % for fuels
- Biogas stations target = 150
Legislation problems

- Lack of law for heat and electricity production from RE, esp. Biomass heat
- lack of norms
- support of energy plants production canceled
- guaranteed prices for biomass (3,30, 3,90,-Kč)
  X condition is 50 % of cultivated biomass in input = expensive
- EU Funds in D.Agr., D. Industry