

# 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, VÚKOZ,
- BIOM CZ - expert association, member of EU BIOM - publications, research, lobby
- + producers of technologies

X

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
- Potential 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**
- garanted 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