

NetWorkShop

Renewable Energy



Campus 02
14 September 2010

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landwirtschaftskammer
steiermark

Who I am?

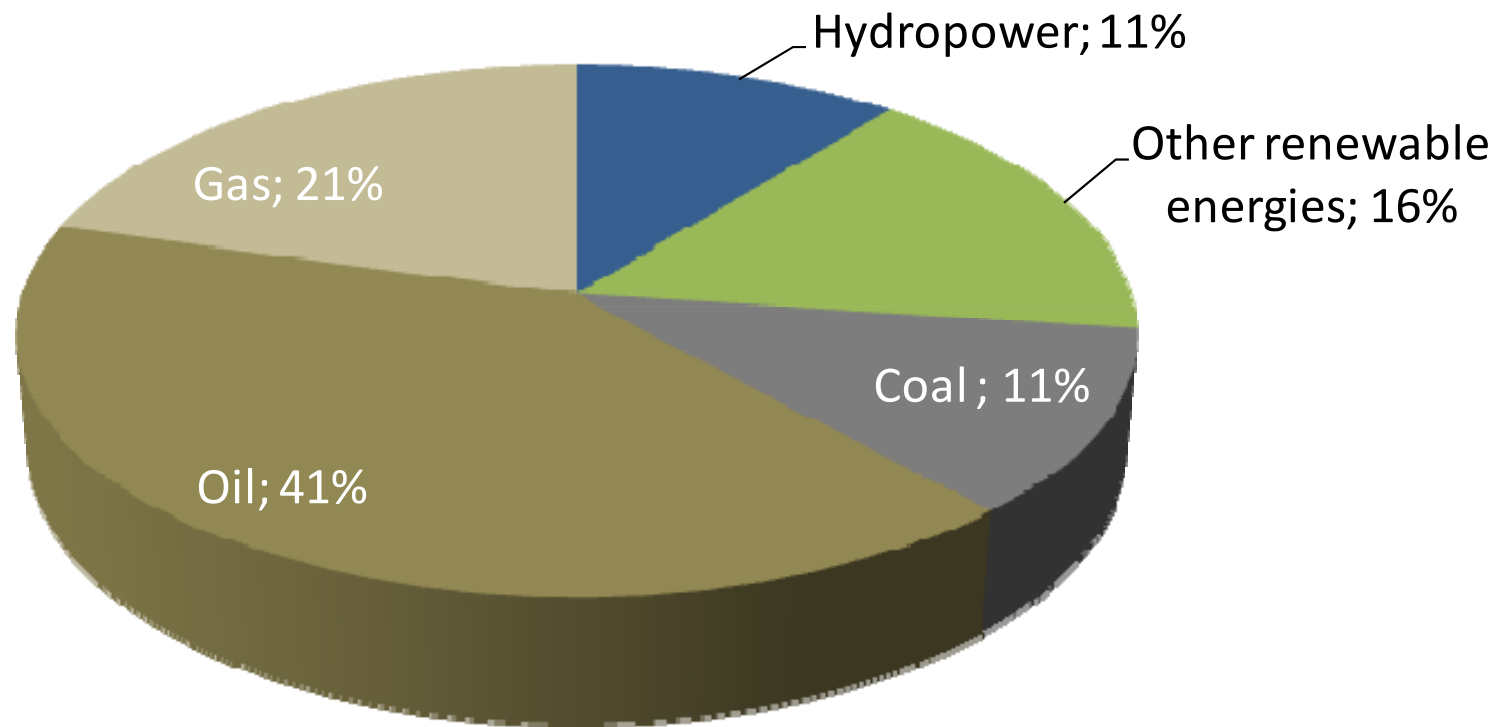


- Thomas Loibnegger
- thomas.loibnegger@lk-stmk.at
- Environmental System Sciences with the special field Economic at the Karl-Franzens-University of Graz
- Since 2008 I work for the Chamber of Agriculture and Forestry in the energy & biomass department
 - Expert advice of farmers and forest owners in the field of renewable energies (special area: district heating systems, biogas plants, quality standards)
 - Management of national and international projects -> know-how transfer for the Styrian farmers and forest owners

Who we are?

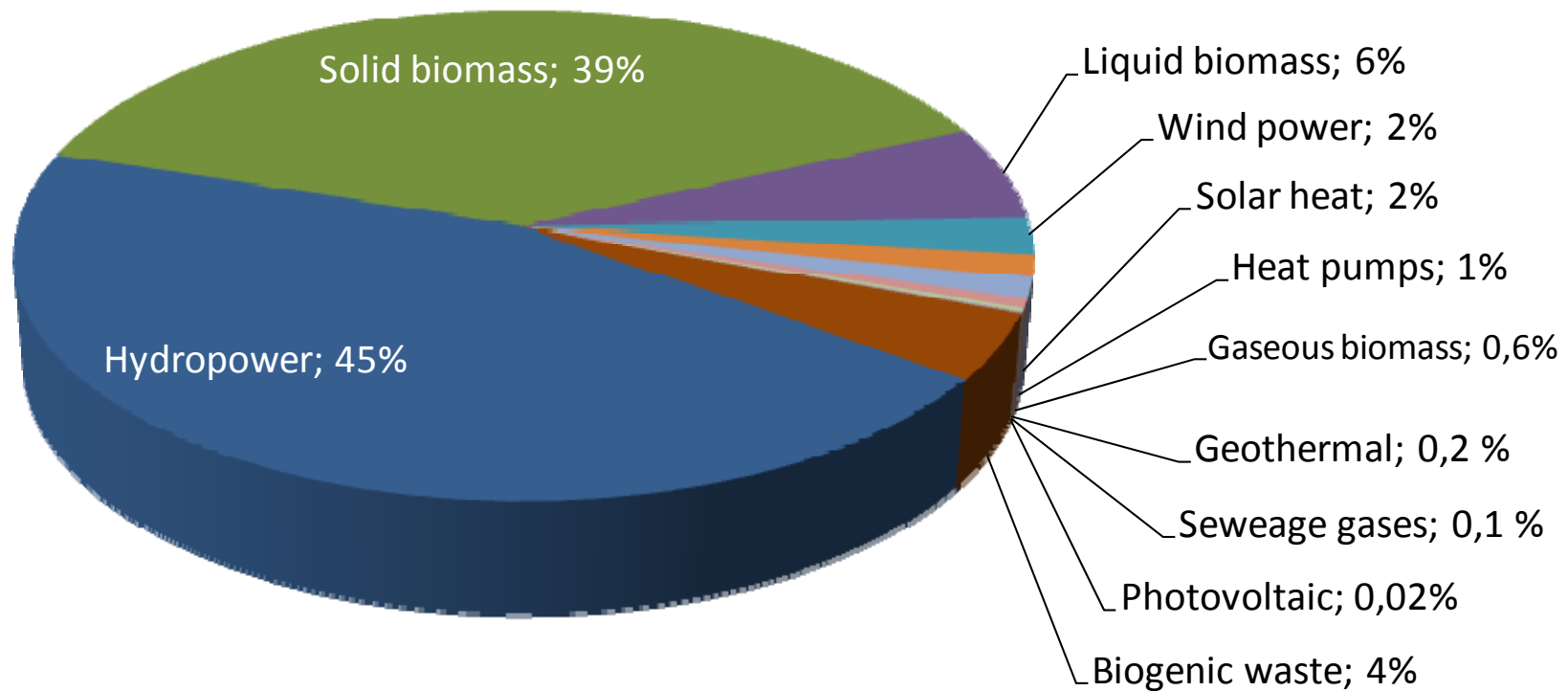
- Founded in 1929 as agricultural and forestry interest representation for farmers and forest owners in Styria
- Intensive advice activity in the field of energy & energy crops production in the last 20 years
- The main tasks of the Biomass & Energy Department are to:
 - Represent the interests of agriculture and forestry in all relevant bioenergy areas (e.g. bioheat, biogas, biofuels, solar power, wood fuel supply,...);
 - Provide legal, economic, technical and social advice to those involved in bioenergy projects
 - Represent the interests to government officials and to public authorities in economic, cultural and taxation issues as well as in matters of taxes and fees (e.g. eco-power law, taxation of biofuels, energy strategy,...);
 - Transfer of know-how through the regularly participation in different EU-funded projects for 13 years.

Energy production and energy consumption in Austria



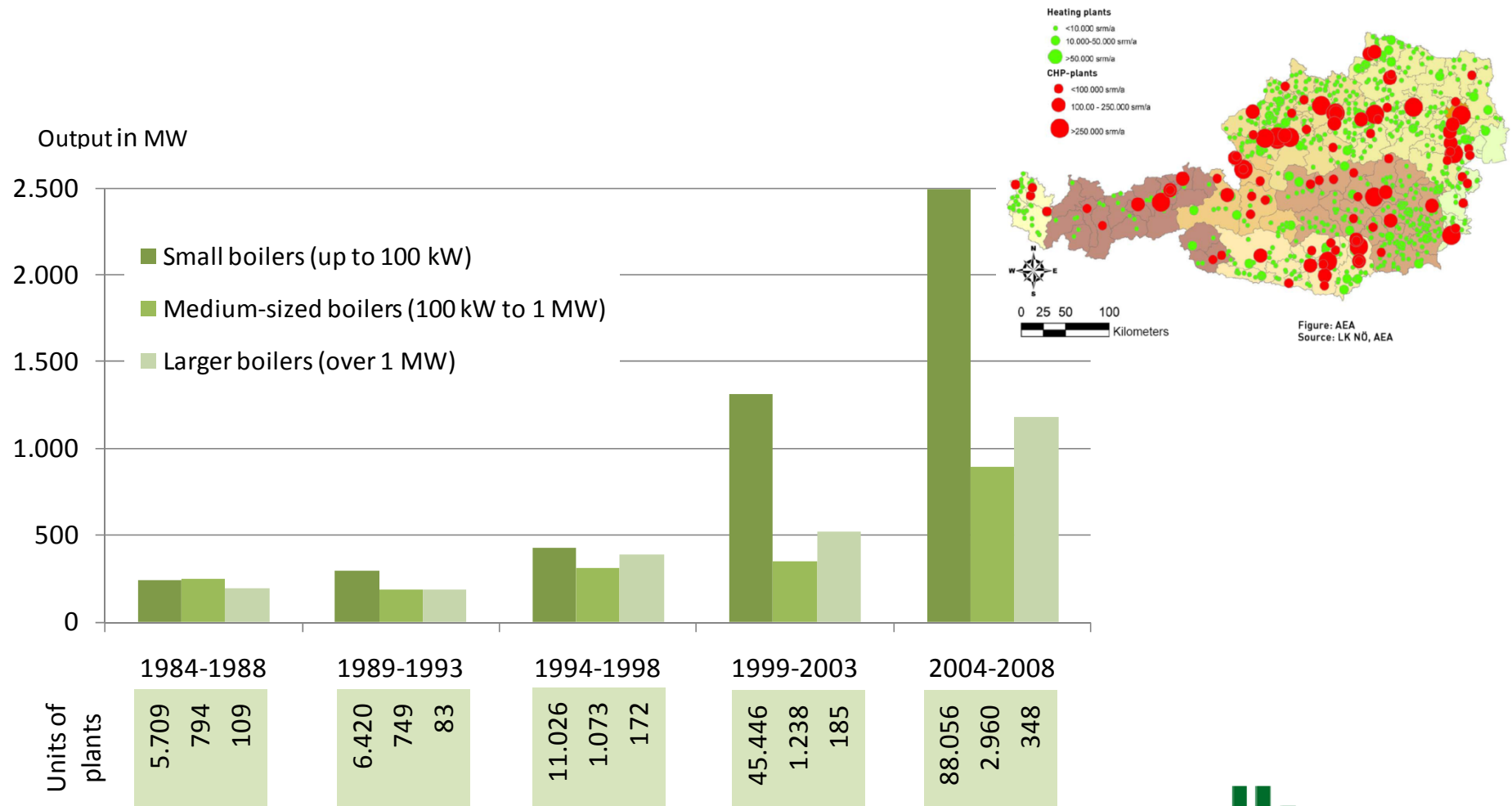
Source: Statistic Austria

Share of renewable energy in Austria



Quelle: Renewable Energy Sources Act calculations | www.energiestrategie.at

Renewable Energy: A long tradition in Austria



Austrian Energy Strategy Framework

■ EU's Climate and Energy Policy

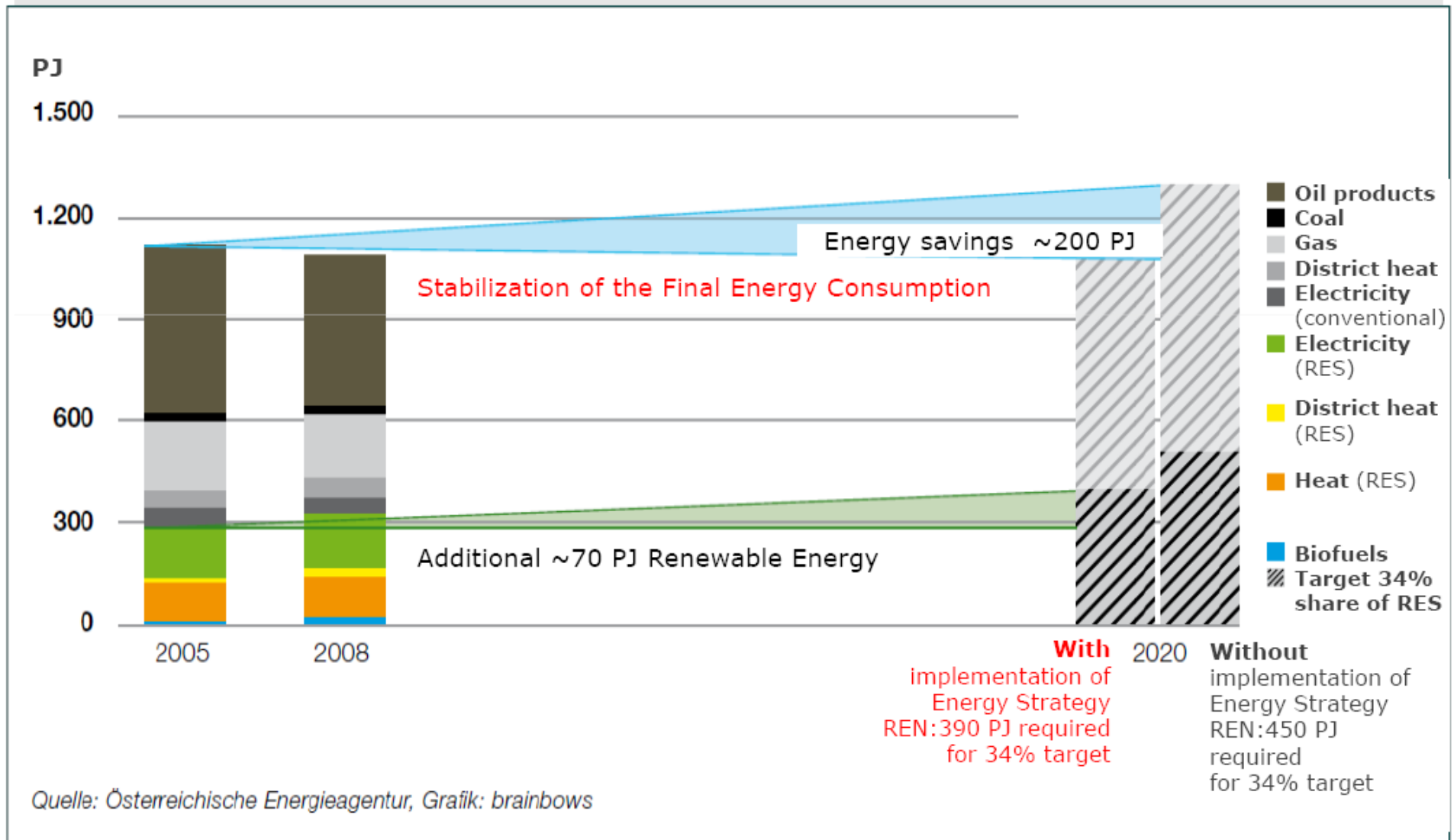
— 20/20/20 Targets:

- a reduction in GHG of at least 20% below 1990 levels
- 20% of energy consumption to come from renewable resources
- a 20% reduction in primary energy use compared with projected levels, to be achieved by improving energy efficiency

■ Austria's 2020 Targets:

- 34% share of renewable energy (2009: 28%)
- 16% reduction of GHG emissions in non-ETS sectors
- 21% reduction of GHG emissions in ETS sectors
- 10% share of biofuels (2008: 5,5 %)

Austrian Energy Strategy Targets for 2020



Austrian Energy Strategy

- The strategy rests upon three main pillars:
 - (1) Energy efficiency increase
 - (2) Renewable energy development
 - Increase biomass use for producing energy for heating purpose
 - increase in hydropower capacity (at the moment the largest area of renewable energy activity in the country)
 - increase wind and solar energy capacity
 - development and expansion of transportation based on alternative and clean energy sources
 - (3) Energy supply security

- Increasing the renewable energy target from 28 to 35 % could generate **80,000 new jobs**

First experiences in projects as partners 1999/2000

- **ALPENERGYWOOD** – Together for the promotion of a sustainable energy (INTERREG III B – Alpine Space)
- **BOOSTING BIO** – Boosting bioenergy in Europe (Intelligent Energy – Europe)



The **INTERREG IVC** Programme is part of the European Territorial Cooperation Objective. It is a EU programme that helps regions of Europe work together to share their knowledge and experience. Launched in 2007, the programme will run until 2013. (www.interreg4c.net).

The **Intelligent Energy - Europe** programme is the EU's tool for funding action to improve these conditions and move us towards a more energy intelligent Europe. (<http://ec.europa.eu/energy/intelligent>)

Actual projects



AgriForEnergy I (www.agriforenergy.com)

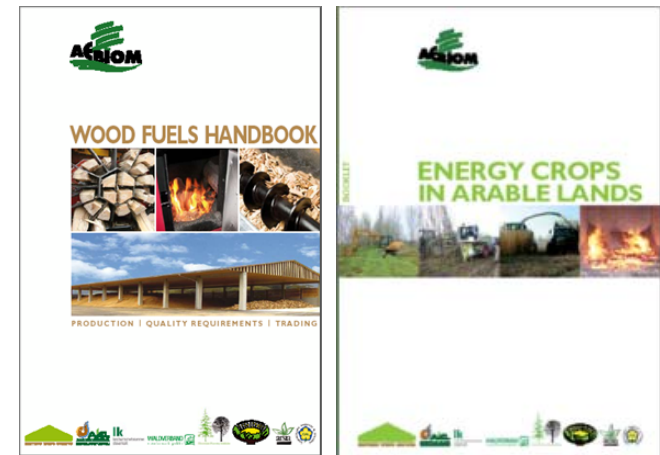
- Integrate the agricultural and forestry sector into the energy market as biomass supplier or as energy supplier in the sectors: heat, electricity and transportation fuels
- **Results:** Meetings, booklets, workshops, study tours...



Biomass TradeCentres

(www.biomasstradecentres.eu)

- Supporting the organization of spot markets supply for wood chips and firewood at regional scale
- **Results:** Meetings, Wood fuels handbook, SRC booklet, study tours, workshops, ...



Actual projects



WoodheatSolutions (www.woodheatsolutions.eu)

- Increase the number of woodfired heating systems used in the UK, Slovenia and Croatia, by using lessons learned from successful wood heat projects in Finland and Austria.
- **Results:** Reports, technical trainings, study tours in Austria and Finland, workshops, ...



Austrian study tour with more than 100 participants from England, Croatia, Slovenian



- AgriForEnergy II (www.agriforenergy.com)

- Connecting stakeholders from the supply & demand sides and fostering new bioenergy businesses in three specific sectors: bioheat, biogas & biomethane, PVO
- **Results:** Meetings, workshops, study tours, one-to-one meetings, bioenergy coordinators, PVO handbook, national reports, ...

Kick-off meeting in Styria / Graz

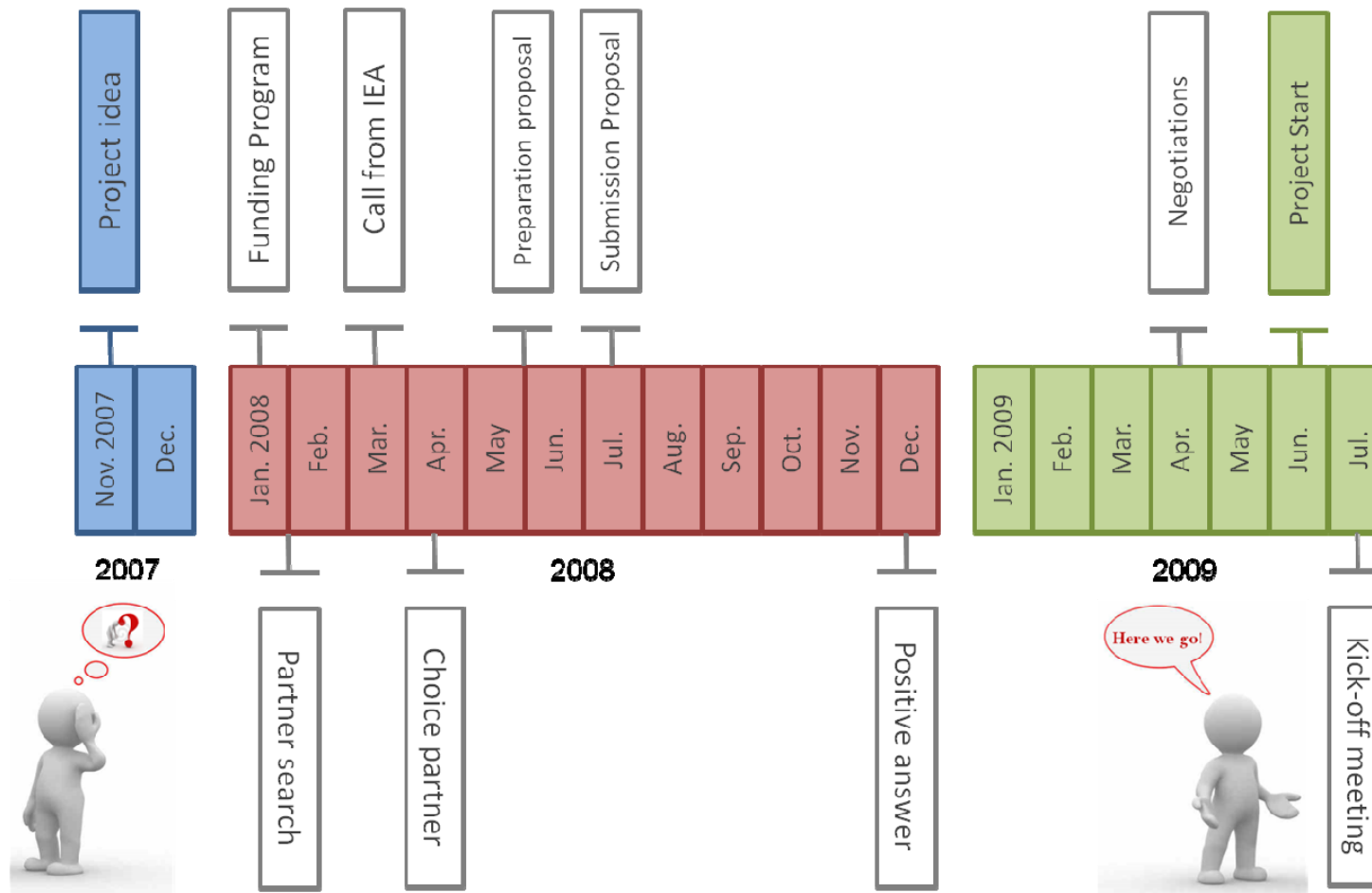


AgriForEnergy 2 (Project Coordinator)

- Duration: July 2009 – July 2010
- Budget: € 1.523.000
- 8 project partners (DE, IT, SI, AT, SW, BG, BE, FI)
- Main project aims:
 - increase the use of bioenergy from the agriculture and forestry sectors in the EU and to provide information and help to connect key market actors
- Project results:
 - Biomass for heating and cooling: 42 Workshops (1.390 participants), 33 excursions, 72 one-to-one meetings -> stimulate investments in the field of energy contracting and district heating
 - PVO (Pure vegetable oil): 15 Workshops (660 participants), 15 excursions, 45 one-to-one meetings, -> stimulate investments in the field of PVO-plants
 - Biogas: 15 WS (590 person), 15 excursions, 22 one-to-one meetings, -> stimulate investments in the field of biogas and bio-methane
 - Transfer of international know-how: training of 25 bioenergy coordinators, 1 international congress in Germany (agricultural biomass), 1 international congress in Brussel



From the idea to the realization



Project partners (List not completed)



ŠUMARSKA SAVJETODAVNA SLUŽBA

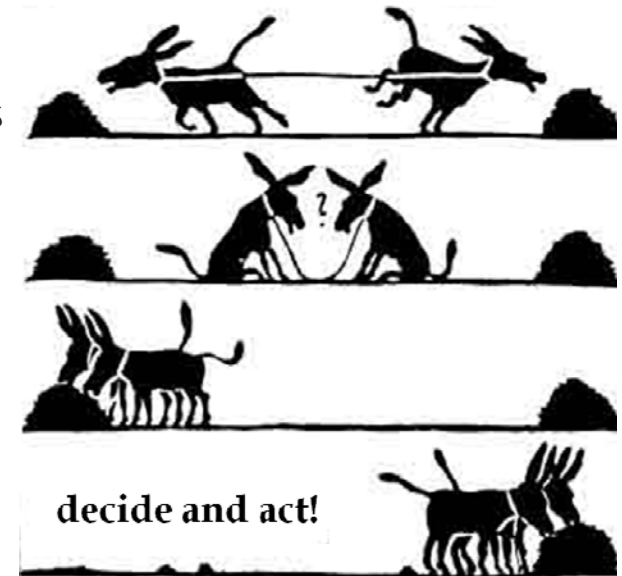


Project experiences

- Collect first project experiences as a project partner, not as a project coordinator
- Intensive study of the different funding programs (e.g. INTERREG, Intelligent Energy)
 - What is promoted?
 - Study the call for proposal
- Partner Search (e.g. internet forums, international fairs)
 - Partners from different countries
 - Intelligent energy (<http://www.managenergy.net/submenu/Sps.htm>)
- Build-up a network

Critical success factor

- Build-up an international network -> maintain relationships with the project partners
- Continuously involved in projects
- Take part on the contractors-meetings in Brussels -> EU is very thankful for practical experiences
- Reliability of the project partners
- Clear management structures
- Flexible and committed staff
- Core team of project partners + additional partners
- AN EU PROJECT IS MORE THAN A MONEY SOURCE!



Questions



- What projects/topics are interesting for you?
- Do you have any practical experience with international (European) projects in the area of renewable energies?
- What are the greatest barriers in your country?
- What information do you expect from the NetWorkShop?

Thanks for taking part!



Contact & Information

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