Creating Jobs and Saving the Climate
- The European Renewable Energy Industry Success Story -

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President
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www.erec.org

EUFores Parliamentary Dinner_European Parliament_2nd September 2009
<table>
<thead>
<tr>
<th>Acronym</th>
<th>Description</th>
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<tbody>
<tr>
<td>AEBIOM</td>
<td>European Biomass Association</td>
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<tr>
<td>EBIO</td>
<td>European Bioethanol Fuel Association</td>
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<tr>
<td>EGEC</td>
<td>European Geothermal Energy Council</td>
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<tr>
<td>EPIA</td>
<td>European Photovoltaic Industry Association</td>
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<td>EREF</td>
<td>European Renewable Energies Federation</td>
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<td>ESHA</td>
<td>European Small Hydropower Association</td>
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<td>ESTELA</td>
<td>European Solar Thermal Electricity Association</td>
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<tr>
<td>ESTIF</td>
<td>European Solar Thermal Industry Federation</td>
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<tr>
<td>EUBIA</td>
<td>European Biomass Industry Association</td>
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<tr>
<td>EU-OEA</td>
<td>European Ocean Energy Association</td>
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<td>EUREC</td>
<td>European Association of Renewable Energy Research Centres</td>
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<td>EWEA</td>
<td>European Wind Energy Association</td>
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<td>EBB</td>
<td>European Biodiesel Board</td>
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</table>
Economic and Environmental Impacts

- 10% share of final energy consumption
- 1/4 of EU’s 20% GHG reduction commitment (1990 level)
- 450,000 high quality jobs through the EU
- 45 billion EUR turnover
Oil Prices 2005 – 2009
US Dollar per barrel

- 2005: 46.83
- 2006: 65.46
- 2007: 54.14
- 2008: 92.98
- 2009: 148.93
- 2009: 41.45

US $ / Barrel

- RES Electricity
- RES Transport
- RES Heating and Cooling

binding target of at least 20% RES by 2020

including a binding target of 10% biofuels and other RES in transport
National Renewable Energy Action Plan
Art. 4 and Annex VI

→ 30th June 2009 – 30th June 2010

1. Summary of national renewable energy policy
2. Expected final energy consumption
3. Targets and trajectories (national and sectoral)
4. Measures for achieving the targets
5. Assessments
REPAP 2020
Renewable Energy Policy Action Paving the Way towards 2020

• Strong Network of Parliamentarians
• Strong Network of national RES associations
• Facilitate the process of implementation of EU legislation at national level
• Increased awareness, level of knowledge of and experience exchange

Ultimately a coherent implementation of the RES Directive on national level
## RES Contribution to Final Energy Consumption (Mtoe)

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<tbody>
<tr>
<td>Final Energy Consumption* (Trends to 2030) (Combined RES and EE)</td>
<td>1211.2</td>
<td>1213</td>
<td>1194.9</td>
<td>-0.7</td>
<td>1,378</td>
<td>1,266</td>
</tr>
<tr>
<td>1. Electricity**</td>
<td>42.45</td>
<td>44.26</td>
<td>46.68</td>
<td>3.9</td>
<td>4.9</td>
<td></td>
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<tr>
<td>2. Heating and Cooling</td>
<td>59.44</td>
<td>62.17</td>
<td>62.98</td>
<td>5.3</td>
<td>2.9</td>
<td></td>
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<tr>
<td>3. Transport biofuels</td>
<td>3.83</td>
<td>6.19</td>
<td>8.81</td>
<td>0.7</td>
<td>51.6</td>
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<tr>
<td>Total Renewable Energy</td>
<td>105.7</td>
<td>113.0</td>
<td>118.5</td>
<td>5.9</td>
<td>275.6</td>
<td><strong>20.0-21.7</strong></td>
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*Including electricity and steam transmission/distribution losses and own consumption  
**Normalised for hydro and wind
New Power Capacity installed in 2008 (MW)

Source: EWEA and Platts Power Vision

** Source: Estimation EPIA
Evolution of the EU27 consumption of biofuels (ktoe)

Source: EurObserv'ER and Eurostat
New Capacity installed by Fuel in 2008 (%)

New Capacity 2008: 23.8 GW

- RES: 57.0%
- Natural Gas: 29.0%
- Fuel Oil: 10.5%
- Coal: 3.2%
- Nuclear: 0.3%
- Others: 0.02%

Source: Platts, EWEA, EPIA
Beyond RES Directive Implementation

- modernized grid system
- buildings of the future
- innovative ways of financing
- R&D of innovative RES technologies

→ Energy Efficient Renewable Energy based Economy
European Renewable Energy Council

3rd European Renewable Energy Policy Conference

Brussels
16th – 17th November 2009

Official event of the Swedish Presidency of the Council of the European Union

www.erec.org/policyconference2009