9th REGIONAL LEADERS’ SUMMIT
Energy Transition: Towards a Low Carbon Economy
Monitoring on Renewable Energy in the RLS regions

Sebastian Goers
Energieinstitut at the Johannes Kepler University Linz
Department of Energy Economics

Québec City, May 17th 2018
Regional Renewables Alliance – Joint Research Project

**Objective**

To promote the global integration, storage and transportation of renewables energies

**Implementation**

- Monitoring
- Energy System Analysis
- Technology Map
- Training & Exchange
- Master Plan

**Monitoring report**

Data on renewable energy resources, technologies and key players in science and industry
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Methodology

Multiregional and multilevel cooperation for data collection

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Methodology

RLS ENERGY NETWORK DATABASE

Data collection with focus on

<table>
<thead>
<tr>
<th>1) ENERGY OVERVIEW</th>
<th>Unit Converter &amp; Exchange Rates</th>
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<tbody>
<tr>
<td></td>
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<tr>
<td>2a) WIND - DATA</td>
<td>8a) HYDROGEN &amp; FUEL CELLS - DATA</td>
</tr>
<tr>
<td>2b) WIND - REGULATORY FRAMEWORK</td>
<td>8b) HYDROGEN &amp; FUEL CELLS - REGULATORY FRAMEWORK</td>
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<tr>
<td>2c) WIND - FORECAST</td>
<td>8c) HYDROGEN &amp; FUEL CELLS - FORECAST</td>
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<tr>
<td>2d) WIND - RESEARCH</td>
<td>8d) HYDROGEN &amp; FUEL CELLS - RESEARCH</td>
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</tbody>
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Renewable energy production

Technologies

- Wind
- Solar
- Biomass
- Hydropower
- Geothermal
- Storage systems
- Conversion systems
- Grid systems
- Policy frameworks
- University
- Non-university
- Industry
- Targets
- Legislation
- Awareness & promotion actions

1) ENERGY OVERVIEW
2a) WIND - DATA
2b) WIND - REGULATORY FRAMEWORK
2c) WIND - FORECAST
2d) WIND - RESEARCH
3a) SOLAR THERMAL - DATA
3b) SOLAR THERMAL - REGULATORY FRAMEWORK
3c) SOLAR THERMAL - FORECAST
3d) SOLAR THERMAL - RESEARCH
4a) PHOTOVOLTAIC - DATA
4b) PHOTOVOLTAIC - REGULATORY FRAMEWORK
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5a) BIOENERGY - DATA
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5d) BIOENERGY - RESEARCH
6a) BIOFUELS - DATA
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7a) HYDRO - DATA
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7d) HYDRO - RESEARCH
8a) HYDROGEN & FUEL CELLS - DATA
8b) HYDROGEN & FUEL CELLS - REGULATORY FRAMEWORK
8c) HYDROGEN & FUEL CELLS - FORECAST
8d) HYDROGEN & FUEL CELLS - RESEARCH
9a) GEOTHERMAL - DATA
9b) GEOTHERMAL - REGULATORY FRAMEWORK
9c) GEOTHERMAL - FORECAST
9d) GEOTHERMAL - RESEARCH
10a) GRIDS - DATA
10b) GRIDS - REGULATORY FRAMEWORK
10c) GRIDS - FORECAST
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11a) ENERGY STORAGE & SYSTEM INTEGRATION - DATA
11b) ENERGY STORAGE & SYSTEM INTEGRATION - REGULATORY FRAMEWORK
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12a) ENERGY EFFICIENCY - DATA
12b) ENERGY EFFICIENCY - REGULATORY FRAMEWORK
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12d) ENERGY EFFICIENCY - RESEARCH
13a) CLIMATE DATA
13b) MACROECONOMIC DATA
14a) DEMOGRAPHIC DATA
14b) ECONOMIC DATA
15a) GROSS INCOME DATA
16a) NATIONAL CONTEXT

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Monitoring on Renewable Energy in the RLS regions

Exemplary results of data collection and processing

Integration of renewables into regional energy systems for electricity, heat and fuel production
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Value-added for RLS regions

- **Comparability**
  of the partner regions’ energy systems through harmonized indicators

- **Gain of information**
  on renewable energy resources, technologies and key players

- **Evidence-based data**
  highlighting the potential for further action and its relevance

- **Use of data by interested companies and organizations**

- **Basis for targeted research and development investments**
Thank you for your attention!

Dr. Sebastian Goers  
Energieinstitut at the Johannes Kepler University Linz  
Department of Energy Economics  
Upper Austria, Austria  
goers@energieinstitut-linz.at

https://www.rls-energynetwork.org/