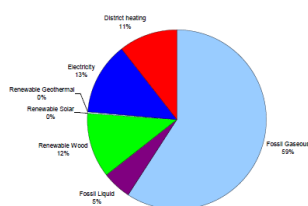


Regional energy concepts – energy change from the bottom up

In the challenge to move society toward use of renewable energy sources, the regional level is the front line. CEP-REC develops Regional Energy Concepts, tools that support development of renewable energy at the regional level, where change matters. CEP-REC undertakes pilots to establish standards for Regional Energy Concepts, and to help individual regions create their own concepts. CEP-REC also assists regions to help each other, by the exchange of best practices.

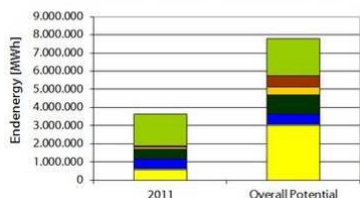
● Energy consumption analysis shows a 15%-decrease in the Province of Torino, Italy



The 10%-share of RE needs to be increased for reaching 2020 goals

In the Province of Torino energy consumptions in final uses decreased by more than 15% within the previous decade. In 2011 the energy demand dropped down 50.000 GWh. Industry and transport sectors are mostly responsible for such a decrease (respectively 22% and 25%) due to the economic crisis in 2008. Nevertheless, the private household sector is the most energy demanding with relatively constant values during the previous decade. The public sector recorded an increase of 12%. Regarding RES, the RE share is at slightly more than 10% of the total energy consumption. Thus, the EU-targets until 2020 will hardly be achieved without a leap forward in the new energy society. More information on the Torino analyses can be found at www.cep-rec.eu/concept-regions/provincia-di-torino-italy/results-of-energy-analysis.

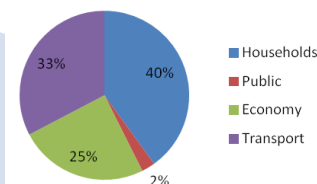
● Renewable energy production in the Allgäu (Germany) could at least be doubled



Great potentials for solar power and heat pumps still unused

The potential analysis for renewable energy production in the Allgäu revealed that only half of the existing potential is currently utilized. Great potentials can still be found in the production of solar heat and electricity as well as in the use of heat pumps. Combustion of regional solid biofuels or the production of hydro power are almost at their sustainable limits. Realistic potentials are supposed to be even higher, as wind potentials were not considered due to pending political decisions on minimum distances to housing areas. More information: www.cep-rec.eu/concept-regions/allgaeu-germany/results-of-energy-analysis.

● RE share in Südburgenland (Austria) exceeds national and european averages



Traditional use of wood fuels responsible for exemplary values

The total energy demand of Südburgenland consists of the calculated energy demands of households, estimated and analyzed energy demands in agriculture and industrial economy as well as of the field of transport. The total energy demand is up to 3 GW. The current share of RE is at 45%, which is higher than the national average (31%) and sharply higher than the current share of the EU-average (10%). The large amounts of RE use is mainly due to the traditional use of wood fuels from local forests. More information: www.cep-rec.eu/concept-regions/burgenland-austria/results-of-energy-analysis.

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● CEP-REC project flyer out now



Project flyer also available in national languages

The two pages project flyer summarizes briefly goals, objectives, partner consortium and pilot regions of CEP-REC. In addition to the English version the flyer is available in digital and print version in all national languages where pilot regions are located: Czech, German, Hungarian, Italian, Polish, Slovakian and Slovenian. The print-outs will be distributed by the national partners in the pilot regions in order to inform local stakeholders about CEP-REC and its objectives. The English version can also be found on the project website www.cep-rec.eu.

● Discussions on the development of regional energy concepts



Seminar in Kielce, Poland

On 3rd of October 2013 a seminar "Innovative Economy" took place at the School of Economics, Law and Medical Sciences (WSEPiNM) in Kielce. The seminar consisted of three sessions: Innovation, Intellectual Property, and the Energy Law. During the sessions the main objectives of CEP-REC were discussed. M.D. Michał Piast described the problems faced by public administrations on developing regional energy programs.

● Regional energy concepts for decreasing energy demands in Zlin Region, Czech Republic



A good example of REC implementation in Jalubí

The decrease of energy demands in existing buildings is one of the main goals of regional energy concepts. The village of Jalubí decreased its energy demand by 70 % through the refurbishment of the municipality office. That results in savings of more than 10 tons of CO₂ per year. A complex heat insulation was installed and all windows and doors were exchanged. Realization involved the insulation of sidings by EPS grey 120 mm thick with $\lambda=0.032$ W/(mK), insulation of the attic by mineral fibres 200 mm thick with $\lambda=0.032$ W/(mK), new wooden window installations with $U = 0.77$ W/(m²K) and door installations with $U = 0.79$ W/(m²K). Total investments of 58,600 EUR were made, financed also by the support of the Operational programme environment with 33,600 EUR. The simple payback period is calculated by 7.4 years.

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News from other projects

● Energy Cluster founded for eastern Polish regions



Promotion, implementation and dissemination are major goals

The aim of the „Swietokrzysko – Podkarpacki Energy Cluster” is to build a platform of trans-regional cooperation in the field of energy conservation. In particular promotion, implementation and dissemination at local, regional and supra-regional level are the objectives of the new energy policy of the European Union, including energy efficiency. Cluster members are local governments, businesses, universities and business environment institutions operating in the eastern Polish regions.

● CESBA – A tool to assess the sustainability of buildings



Assessment tool for a common European framework

CESBA (Common European Sustainable Building Assessment) is a process towards a framework on common sustainability criteria to assess buildings. Buildings play a central role in meeting EU 2020 targets. Differences within existing building assessment criteria and methodologies are being addressed by the CESBA working group. CESBA discusses core European indicators to measure and assess the sustainability of a building or neighborhood. All aspects along the building cycle, from planning to construction, from tendering to monitoring are addressed. The project is implemented through the CENTRAL EUROPE Programme. More info at www.projectcec5.eu.

● 200 green jobs and 150 study places in the concept region of Südburgenland, Austria



Center for Future
Energy Technologies
Strem
im ökoEnergieLand

Small village of Strem with new research centre

The site of the existing biogas plant located in Strem will also be home for a new energy, research and study center. Up to 200 green jobs and 150 study places will be created. The worldwide-known “European Center for Renewable Energy Guessing” (EEE) will be integrated. Focus of EEE is the development of energy concepts based on the experiences in the “ecoEnergy Region”. Another core theme will be advanced training, in theory as well as in practice. In addition, demonstration plants will be available. Future plant operators get the opportunity to train their personnel professionally. Contact: r.koch@eee-info.net.

● Contact and Information



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