

Regional energy transition in Germany – a study about the approach and its implementation in the region of Trier, Germany

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Abstract:

The Region Trier has around 500 000 inhabitants and is a region with a lot of forests and agricultural land use. It does not have any major industry. In 2008 the Region had to pay around 650 Mio Euro /a for imported fuel oil, natural gas and electricity. The energy demand in the Region is around 3000 GWh/a electricity, 6500 GWh/a heat and 3000 GWh/a fuel for transport. In 2010 a regional Energy plan was formulated to develop the Region from an energy importing region to an energy exporting region within 20 years. In addition to the energy independence it is the clear objective to increase local jobs and income through the re-circulation of economic cycles and development of regional businesses. Already now more than 50% of the electricity demand (1500 GWh/a) is covered from regional renewables installed and operated in the Region Trier. Mainly it is wind, biogas, PV and hydropower. The energy plan is to cover more than 100% of the electricity demand within the next 15 years and build a 300 MW pump storage in the Region to compensate short time deficits in the regional electricity generation. The presentation is about how a region, like Trier with 500 000 People, can develop a regional energy plan and mobilize regional efforts to implement a comprehensive energy plan to become an energy export region with 100% renewable energy within the next 20 years. The presentation is about the approach for the development of a regional energy plan and its implementation through various regional actors, like the regional energy agency, the local utilities and the people of the Region will be presented. Finally it will be discussed what such an regional approach means for a country like Thailand.

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