Project Database of ICP Forests
PROJECT DESCRIPTION

ICP Forests

LRTAP Long-range Transboundary Air Pollution

PROJECT INFORMATION

Project title: BioenNW - Delivering Local Bioenergy for North-West Europe

Project ID: 51

Contact person: Dr. Christine Rösch

PROJECT DESCRIPTION

The project aims to increase the rate of implementation of bioenergy provision within NW Europe through facilitating the development of local, small scale biomass energy schemes (typically <10MW total energy). This will be done by engaging with key actors - local government, industrial, and financial organizations by delivering technology demonstrations and by creation of a network of support centers to provide information and support to stakeholders who want to engage with bioenergy in their locality. The project is currently built around five regions, one in each of France, Germany, Belgium the Netherlands, and the UK. These regions will provide the test bed in which the project concepts will be applied and optimized.

The main objectives of this project are:
1. Creating a network of bioenergy support centers to operate as local catalysts to the development of biomass energy projects.
2. Demonstrating the combined operation of anaerobic digestion and intermediate pyrolysis to ensure the broadest range of biomass types maybe used as feedstocks.
3. Building a number of tools to aid the project development process.
4. Engaging with key actors and stakeholders to promote conditions whereby bioenergy projects can be brought readily into being.

In this project is necessary to develop a model to estimate and calculate of present and future biomass potentials in specific geographical regions including all relevant biomass resources (energy crops, forestry, as well as agricultural land and urban based residues). As input data the model uses land use data, georeferenced national and regional forest Inventory, forest planning data and topographic data about the study areas to describe and narrow down the forest biomass potential by setting numerical or topographic (spatial) parameters for each modeling step.