



The Renewable Energy Cluster Programme of Central Finland 2007-2015

The province of Central Finland has set up ambitious targets to reduce greenhouse gases, to improve the self-sufficiency and security of the energy supply in the region, and especially to make the energy supply of the province independent of imported fossil oil by the year 2015.

In order to reach the joint targets, the Regional Council of Central Finland has launched a new cluster based business development strategy for the period 2007-2015. The programme called **“Dynamic by Bioenergy”** brings together biomass producers, energy industry, technology manufacturers, service producers, R&D and educational organisations, bioenergy associations, public authorities and financiers. The programme is coordinated by the Jyväskylä University of Applied Sciences. Today, there are ca. 30 companies and institutions involved and committed to the aims of the programme.

The vision of the province of Central Finland is to be one of the best developed bioenergy markets in the world by 2015. The aim is to increase the current production of bioenergy (9 TWh) by 4 TWh and at the same time to raise the share of the renewable energy from today's almost 50% to 70% of the total energy consumption. High level of technology and expertise together with intensive co-operation are the key factors making the Bioenergy success story come true in Central Finland.

Bioenergy is one of the natural strengths of the province of Central Finland. The region is rich in terms of forest and peat resources. In addition, there is a plenty of agricultural land suitable for energy crop or agrobiomass production. Moreover, the province produces REF suitable to energy.

Despite the natural and potential resources, there is still a plenty of work to do to reach the targets. The main areas of development are related to the following themes, each led by a group of experts from key-companies:

- Biomass Supply Systems of Power Plants
- Renewable Energy in the Heating Systems of Communities and Houses
- Pellet Energy Systems
- Biogas Energy Systems

Additional information:

Mr. Markku Paananen, Development Manager, Head of Programme

Tel. +358 (0)400 121989, email: markku.paananen@jamk.fi

Jyväskylä University of Applied Sciences, www.jamk.fi

