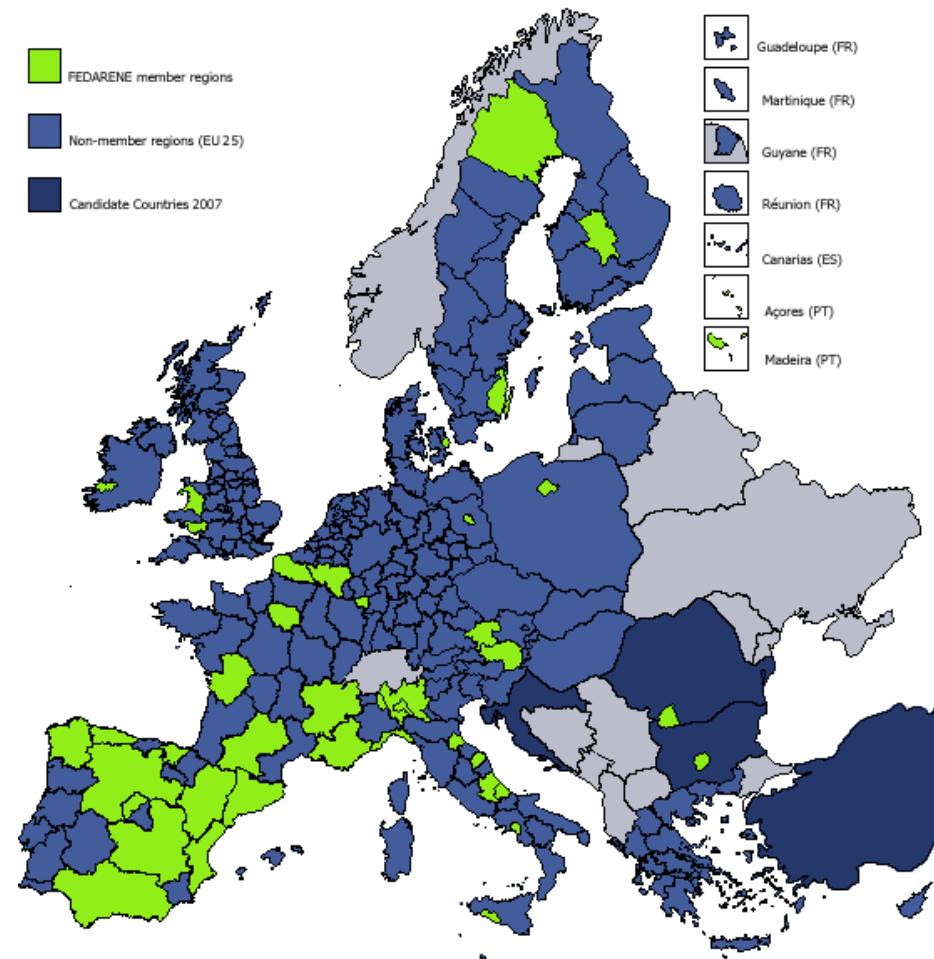


Sirpa Pekarinnen

**Fedarene Vice-president for Spatial Planning
Vice-president of the Regional Council of Central
Finland**

FEDARENE gathers 65 organisations from 15 countries of the European Union.

Those local or regional energy and environment agencies animate and implement public policies in these fields.



Exchanges of ideas and experiences

FEDARENE is *an exchange platform* that allows agencies to confront their approaches and to transfer their know-how and technologies

Relay for dissemination of information

FEDARENE provides information and advices and is a showcase for the projects carried out in that sector

Initiator of proposals

FEDARENE contributes in environmental and energy debates by giving privilege to decentralised energy supply and demand and environmental protection

European policy

Energy Efficiency Action Plan 2006

(consequently to the appeal made by heads of State at the European Council in spring 2006)

Objective : 20% energy savings by 2020

Priority (relevant) initiatives and measures :

- minimum performance requirements and energy labelling for equipments and buildings,
- improving energy transformation,
- energy efficiency in transports (cars, public transport),
- developing energy services, financing and local funds,
- raising public awareness,
- international partnerships

European policy

Energy « package » presented on the 10th January 2007

Challenges in :

- energy (shortage and concentration of resources, increasing of energy demand)
- environment (climate change)

Strategic objectives :

- sustainable development (environment, social, economy, governance)
- competitiveness
- supply security

Operational objective :

- Greenhouse gases : - 20% by 2020; -30% in 2030: -75% in 2050 (based on 1990)

European policy

Energy « package » presented on the 10th January 2007

Concrete Action plan (7 interrelated measures)

1. internal energy market (unaccomplished objectives, need of important improvement measures)
2. solidarity between member states and supply security,
3. energy efficiency (ambitious program)
4. renewable energy sources (see next slide)
5. research : doubling funds of FP7 for energy (clean technologies, 2nd generation biofuels, carbon capture and storage)
6. nuclear : member states are left up to decide on their nuclear energy use; decreasing of nuclear energy supply required compensation by increasing energy efficiency and renewable energy
7. common foreign policy

European policy

Energy « package » presented on the 10th January 2007

Concrete action plan (measure n° 4 - renewable energy)

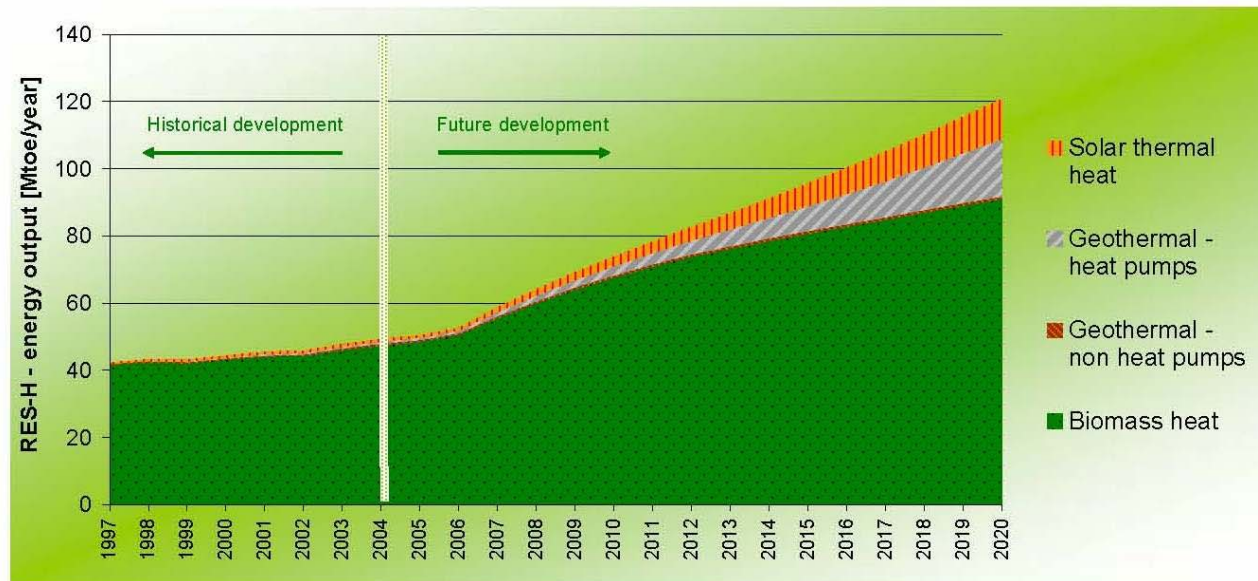
- renewable energies require to be set first due to their fast implementation
- objective : 20% of renewables by 2020 (reminder : 12% planned for 2010, current trend is 10%)
- progress in wind energy sector and in biofuels in DK and D
- EC proposal : non hydro RES X 6 in 12 years
- conditions :
 - 1- real commitments of EU members
 - 2- RE costs reduction (by market growth)
 - 3- restrictive national objectives fixed by EU members between renewable electricity, biomass for heating and cooling, solar and biofuels. For biofuels : minimum common objective of 10% by 2020
- 2007 : EC will present a new general/ic directive on renewable energy

European policy

Energy « package » presented on the 10th January 2007

Renewable Heat

4.4. Renewables Growth: Heating and Cooling Projections up to 2020



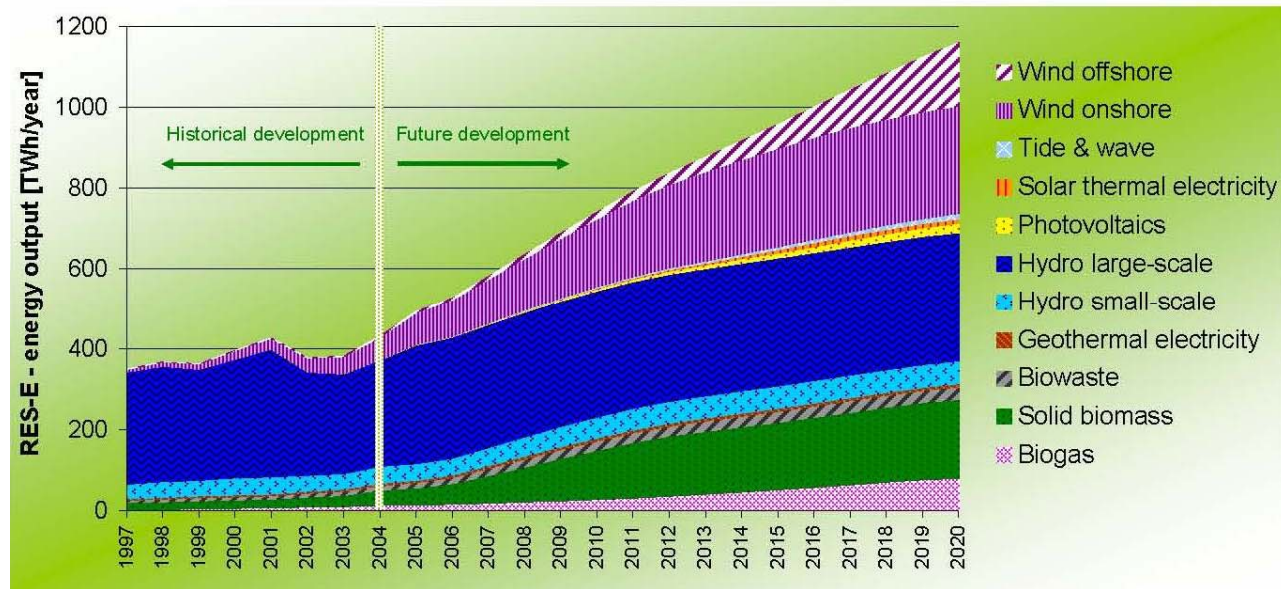
Source: European Commission, Renewables Roadmap

European policy

Energy « package » presented on the 10th January 2007

Renewable electricity

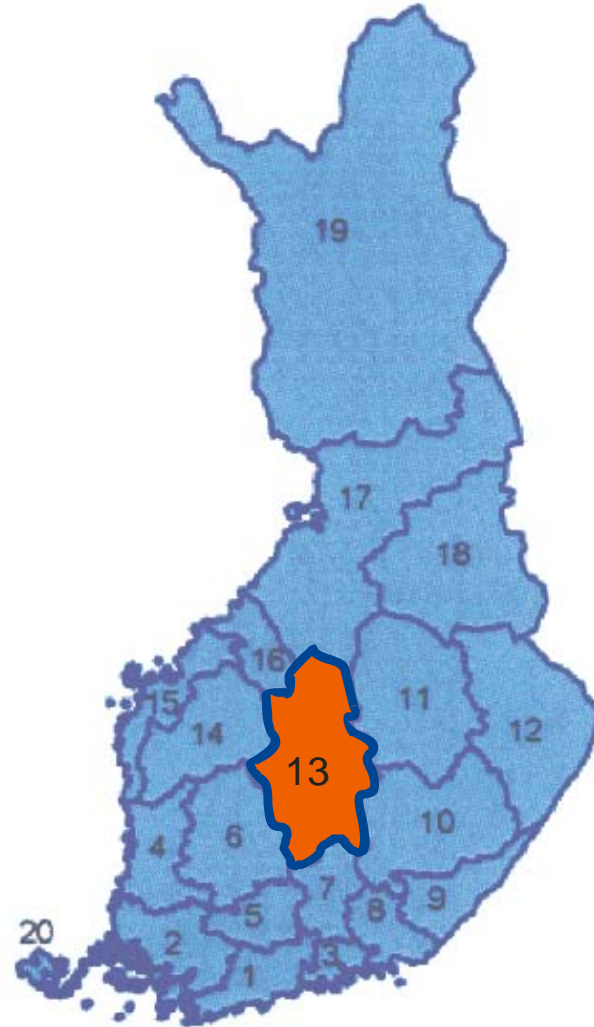
4.3. Renewables Growth: Electricity Projections up to 2020



Source: European Commission, Renewables Roadmap

Finnish Regions

1. Uusimaa
2. South-West Finland
3. Itä-Uusimaa
4. Satakunta
5. Häme
6. Tampere Region
7. Päijät-Häme
8. Kymenlaakso
9. South Karelia
10. Southern Savo
11. Northern Savo
12. North Carelia
- 13. Central Finland**
14. South Ostrobothnia
15. Ostrobothnia
16. Central Ostrobothnia
17. Northern Ostrobothnia
18. Kainuu
19. Lapland
20. Åland



Subregions and municipalities

- 6 subregions
- 30 municipalities
- biggest population centres are Jyväskylä, Jämsä and Äänekoski



Relevant Figures for Central Finland

- Population 268 000
(July 2006)
- Total area 19 763 km²
 - Land 16 582 km²
 - Water 3 181 km²
- Unemployment rate 12,1 %
- Density of population,
16 inhabitants/km²



Employment structure in Central Finland

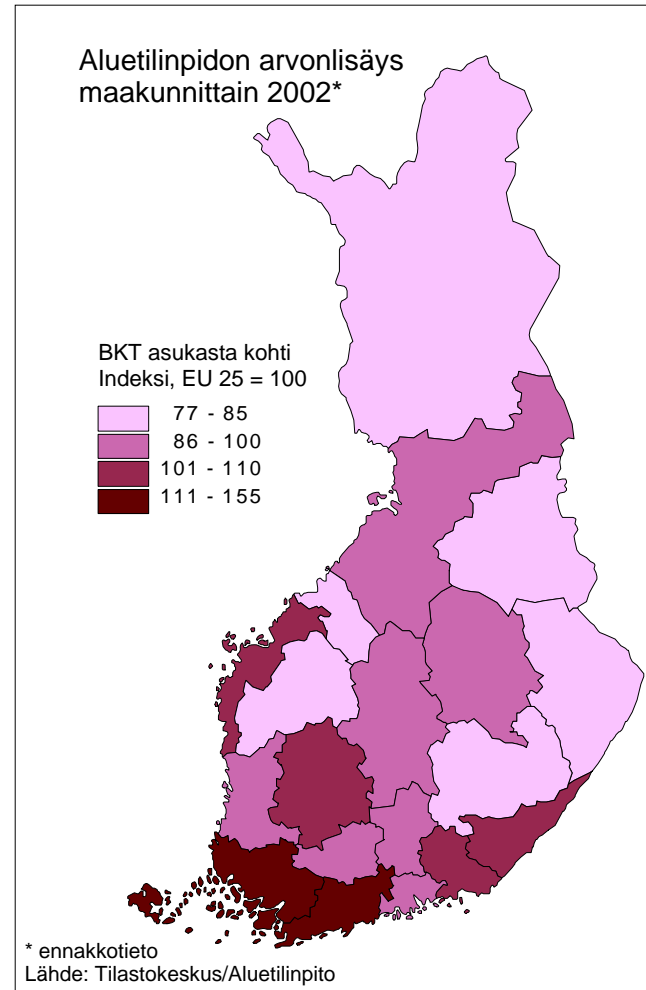
Employment in 2002, 103 539 jobs

of total (%):

- Agriculture 5,7 %
- Manufacturing 28,5 %
- Services 63,7 %
- Unknown 2,1 %



Gross National Product per Inhabitant by Region in Finland 2002, EU 25 = 100



Region's Strengths



- Strong Leading Companies
- Multifaceted Structure of Know-how
- Vast Range of Free-time Activities
- Athletics and Health Sciences
- Clean Nature
- Safe Living Environment
- Location

DECLARATION

« **European Regions for energy efficiency and renewable energy sources** »

The aim of this “**Declaration of the European Regions for Development of Energy Efficiency and Renewable Energy Sources**” is to:

- **increase the visibility of the commitment and of the actions conducted by the European regions in the field of energy efficiency and renewable energy sources, in front of other regions and the main local, national and European players.**
- **encourage and motivate the regions that have not defined quantitative objectives to take immediate action.**

The initiative was launched O.Ö. Energiesparverband in cooperation with FEDARENE, and with the support of the Assembly of European Regions.


DECLARATION

« European regions for energy efficiency and renewable energy sources »

Recognising the crucial role of energy for economic development and the environmental situation in Europe and,

Understanding the important contribution sustainable energy production and use can make to a positive economic and environmental development and,

Acting out of responsibility for future generations and in partnership with other regions across Europe,

We, the undersigned regional and local governments, have made a commitment to increasing our share of renewable energy and to boosting energy efficiency in our regions. We acknowledge that energy efficiency and renewable energy sources are most important cornerstones of sustainable development because they contribute to environment and climate protection, to local job creation and economic growth, to security of energy supply, to independence from energy price fluctuations as well as to social cohesion and innovation. 

.../... DECLARATION

***Recognising** the importance of local and regional action in making sustainability happen, we are actively promoting energy efficiency and renewable energy sources in our own buildings, installations and sites as well as to the citizens, municipalities and businesses in our regions.*

Deeply concerned** about climate change and the increasing dependency on imported fossil fuels and their impact on our environment and economies, **we call upon other European regions**, but also upon local and national governments as well as the European institutions, **to join forces for a better and more sustainable energy future !



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