

Peer Review in Western Greece

Patras 21-23 June 2010



Participants

Hosts – Patras Science Park

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Programme

Day 1-Monday 21st June

- Visit at Park of Energy Awareness (PENA)
- MORE4NRG Project Meeting – Visit in Patras Science Park



Programme

Day 2 - Tuesday 22nd June 2010

- Visit at Solar Cells Hellas Group (Production of Photovoltaic Equipment)
- Visit at Institute of Chemical Engineering and High Temperature Chemical, Patras University
- Patras Science Park – Conference for Sustainable Energy



Programme

Day 4 - Wednesday 23rd June 2010

- Visit at Public Power Corporation
- Visit at Patras Municipality Development Company
- Regional Authorities Peer Review – Patras Science Park
- Peer Review Closing Summary Session



Observations (+)

- Western Greece aiming for establishing a Regional Energy Agency
- PV is the only RES equipment produced in the country – growth potential
- Strong research cluster in the field of RES
- Technical excellence and innovation capacity in RES
- The growth of implementation of wind energy
- Sun is a real strength and opportunity
- The 3 % rule of payback to the regions
- The “feed-in system” for PV – price difference in selling/buying electricity

Observations (?)

- Solar heat water for households – 50 % coverage. More potential!
- Potential for development of biogas from organic waste?
- Potential for savings in households and public buildings, insulation, panes
- Cooling is the big problem – how to implement cost effective alternatives e.g small scale Sun Cooling systems
- Transports, energy efficiency, and minimize some transports e.g of drinking water by local production of drinking water
- Financial crises, - effects on investments



Observations (-)

- Slow pace in implementation of PV
- Change from dependence of Lignite to fossile gas, not renewable
- Beuraucracy
- Infrastructure, needs for upgrades (also in transports)
- Grid capacity for utilising small and medium scale RES – what is the real core of this problem and the solutions?

Recommendations

- Regional and local energy strategies and action plans needs to be developed, supported by financial schemes and plans
- Peoples awareness at all societal levels – campaigns needed
- Improved communication and collaboration between national actors (e.g PPC) and municipalities/region
- Development of biogas production from organic waste
- Geothermal for cooling could be a valuable unused resource
- Pilot actions by public sector in the field of hydrogen needed
- Further utilize solar heat water for 100% coverage. Great export potential for the rest of Europe
- We can not give certain recommendations on the best energy mix in Western Greece since it depends on many factors and the best expertise on that is already present



Concluding remarks

- Very much data and information provided as input to the peer review
 - Though, much data are national and not so much specific for Western Greece
- Interviews/meetings held with the scientific expertise, industry, the city of Patras and national energy company, but not specifically with the region of Western Greece.
- High potential for technology export, developed in the region, but also for improved use of RES and energy efficiency in the region
- Final report will be finished during November 2010

Thanks to Patras Science Park for nice organisation of the visit

