

European Conference for Renewable Energy Intelligent Policy Options

19-21 January 2004 - Berlin, Germany

Session 1: The Campaign for Take-Off 1999-2003

Panel 1a:

Experiences in the utilisation of Renewable Energy Sources in cities –
How feasible is it to develop the potential of renewable energy generation
in an urban environment?

QUESTIONS TO BE ADDRESSED

- ✓ How does the use of Renewable Energy Sources in cities lead to better standards of living and a reduced environmental impact?
- ✓ How relevant are policy frameworks to increased Renewable Energy penetration in urban areas?
- ✓ How to tackle the challenge of integrated concepts “high energy-efficiency / decentralised RES” in urban energy planning?
- ✓ What recommendations and hints for success can be derived from existing initiatives?
- ✓ What sort of Community intervention and promotion would be appropriate for the next 5 years in the form of a future “European Public Awareness Campaign?”
- ✓ What should be the role of the private sector in this context during next 5 years?

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Panel 1b:

Renewable Energy Sources deployment at regional and local level - From dependency to security of supply:
How far and fast can regions improve their energy mix?

QUESTIONS TO BE ADDRESSED

- ✓ How does a high share of Renewable Energy Sources at regional and local level contribute to job creation and economic growth?
- ✓ Renewable Energy is an alternative economic activity in rural areas whose development is lagging behind and in declining industrial areas – what are the reasons for success?
- ✓ Which Renewable Energy technologies are most successful in these areas and which technologies are unexpectedly left behind?
- ✓ What are the main barriers / stimulating factors for RES development at regional and local level?
- ✓ What recommendations and hints for success can be derived from existing initiatives?
- ✓ What sort of Community intervention and promotion would be appropriate during the next 5 years as the basis for a future “European Public Awareness Campaign?”

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Session 1: The Campaign for Take-Off 1999-2003

Panel 1c:

Paving the way towards 100 % RE based communities & islands: utopia or ambitious reality?

QUESTIONS TO BE ADDRESSED

- ✓ What are the success factors to achieve 100% Renewable Energy supply?
 - ✓ How to face intermittency in supply and how to face seasonal demand?
 - ✓ How to reconcile energy supply with demand in a tourist oriented economy, or a farming based economy?
 - ✓ What are the main barriers/stimulating factors for RES deployment on islands and remote communities?
 - ✓ What recommendations and hints for success can be derived from existing initiatives?
 - ✓ What is the role of the policy framework today and what needs arise for the future?
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Session 2: Implementation of RES Policies in Europe

Panel 2a:

Producing Renewable Electricity from Renewable Energy Sources - What is being achieved and what are the best approaches for overcoming administrative and market barriers?

QUESTIONS TO BE ADDRESSED

- ✓ What are the most successful national policies and actions for addressing issues overcoming the five barriers which are identified in the EU Directive - such as application procedures for financial support, administrative procedures for planning and building approvals, guarantees of origin, transparency of grid connection costs, and access to electricity grids?
- ✓ What are the most effective ways to raise public awareness of the benefits of RES electricity?
- ✓ Are there other important barriers to the higher market penetration of RES electricity?
- ✓ Are there special barriers to be overcome, when connecting small generators (eg photovoltaic, biomass) to the grid?
- ✓ Will new barriers arise as the percentage of renewable electricity in the grid increases?
- ✓ What should be the policy of grid regulators concerning decentralised electricity supply the diversity of electricity supply, and the maximum percentage of renewable electricity on the grid?

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Session 2: Implementation of RES Policies in Europe

Panel 2b:

Supporting Renewables Electricity in the Market –
Which are the best support-schemes for RES-electricity applied in Europe?

QUESTIONS TO BE ADDRESSED

- ✓ What are the advantages and disadvantages of the different financial support schemes?
- ✓ Which form of support-scheme provides the best way to accelerate the penetration of renewable energies into EU markets?
- ✓ Do different renewable electricity technologies need different promotion mechanisms?
- ✓ What are the best long-term support schemes for renewable electricity?
- ✓ What would be the best option for an EU wide support scheme for renewable electricity?

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Session 2: Implementation of RES Policies in Europe

Panel 2c:

Renewable Heating & Cooling - What are the common factors and barriers which influence the growth of European markets for solar, biomass, and geothermal Heating and Cooling?

QUESTIONS TO BE ADDRESSED

- ✓ What are the key elements of those successful national policies which are already in place in the EU for promoting the use of renewable heating and cooling?
- ✓ What forms of legislation and promotional schemes might be introduced in order to accelerate the growth of renewable heating and cooling markets in the EU?
- ✓ What are the specific drivers and barriers to the growth of renewable heating/cooling?
- ✓ What are the specific challenges to policies which promote renewable heating?
- ✓ Which regulations, financial incentives and other market stimulation tools have been most successful in promoting renewable heating / cooling?
- ✓ How can renewables be used to meet the growing demand for cooling?
- ✓ What specific policies could be conceived to stimulate RES-cooling?
- ✓ Which policies would be most useful at EU level?

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Session 2: Implementation of RES Policies in Europe

Panel 2d:

Renewable Energy: How to create a level-playing field?

QUESTIONS TO BE ADDRESSED

- ✓ What are the best examples of schemes for internalising the external costs of energy in Europe today?
- ✓ Transparency in energy costs: would this favour or discourage Renewable Energy investments in the long term?
- ✓ What are the long term added values of renewable energy compared with conventional energy?
- ✓ To what extent is it helpful to link financial instruments and measures for promoting renewable energies with those for promoting reductions in greenhouse gas emissions?
- ✓ Should the profits generated by the conventional energy industry contribute to the financing of renewable energy?
- ✓ How would the internalisation of the external costs of energy affect the competitiveness of the leading European industries in global markets?
- ✓ Is there a problem today in raising finance for renewable energy projects?
- ✓ Would innovative financing schemes be needed on a level playing field?

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Session 3: Looking forward: horizon 2020

Panel 3a:

Targets and Scenarios for the development of Renewable Energy Markets I
in Europe up to 2020

QUESTIONS TO BE ADDRESSED

- ✓ What could be the feasible share of Renewable Energy Sources in the year 2020?
- ✓ What policy measures and legislation would be needed to reach the new targets?
- ✓ What new technologies and cost reductions would be needed to achieve new targets?
- ✓ What will be the new priorities for RTD?

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Session 3: Looking forward: Horizon 2020

Panel 3b:

From Rio to Kyoto and Johannesburg:
The spotlight has turned towards Renewable Energy Sources

QUESTIONS TO BE ADDRESSED

- ✓ What role could Europe play at international level to increase the share of RES ?
- ✓ What should Europe do to support the development of Renewable Energy Sources for use in the developing world?
- ✓ How will renewable energy contribute to poverty eradication and sustainable development in developing countries?
- ✓ What additional policy measures are necessary to finance the EU initiatives launched in Johannesburg?
- ✓ What possibilities are offered by the Clean Development Mechanism (CDM) and Joint Implementation (JI) to renewable energy sources deployment?