PV-ERA-NET



HIGH PENETRATION OF PV IN ELECTRICITY NETVORKS

Joint Call: PV + GRID

IEA PVPS Task 1 Workshop, 22 September 2009 Hamburg

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PA Energy Ltd, Denmark



PV-ERA-NET Framework



6th EU framework programme

Strengthening the European Research Area "ERA"

Coordination Action:

"Networking the European Research Area": "ERA-NET"

What ?

PV-ERA-NET Subject

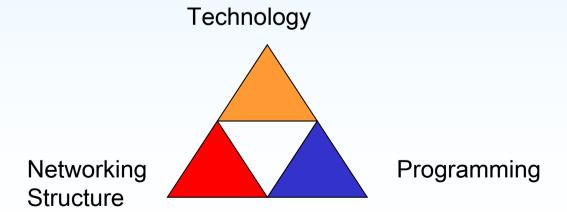


Networking and Integration

of National and Regional Programmes in the field of Photovoltaic (PV) Solar Energy

Research and Development (RTD)

in the European Research Area (ERA)



Who?

PV-ERA-NET



Participants



AT



BE-FL



СН



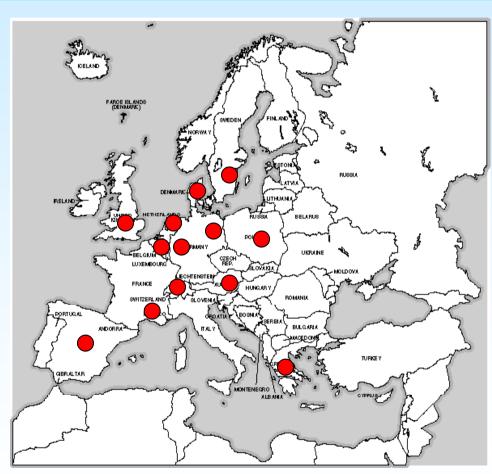
DE

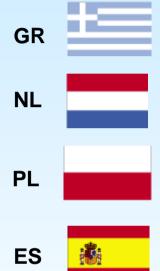


DK



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DE-NRW

PV-ERA-NET Pv era NET Participating Countries

- Joint Call: PV+Grid
- A dedicated call on simulation and system requirements for high level penetration of photovoltaics in the electricity grid
- with the participation of:

Austria, Denmark, France, Germany, Greece, (The Netherlands), North-Rhine-Westphalia, Poland, Sweden and Switzerland

PV-ERA-NET Scope



- PV ERA NET intends to launch the transnational call PV+ Grid in order:
- to seek new and complementary proposals in the field of simulation and modelling of high penetration of PV in grids, preferably embedded in practical experience.
- to strengthen the international collaboration in the field of PV RTD and therewith improve the effectiveness and efficiency of national PV RTD programmes.
- to stimulate interaction between all key actors concerning PV technology and its integration into electricity grids.
- Call guideline is expected by October 2009.

PV-ERA-NET Subjects



- Technical and economical simulation and modelling of high penetration of PV systems and components in electricity grids as well as in the whole electricity system including demand side.
- Development and demonstration of information and communication technologies (ICT) related to high penetration of PV systems in grids (new inverter functionality and communication).
- Pre-normative studies of high penetration of PV systems in grids, as the gap between R&D and practical applications hinders the release of standards and leaves regulatory issues to be inadequately addressed. Topics covered are: management and coordination of information exchange, collection of existing information and standards, definition of grid codes, development of standards for performance, energy rating and safety aspects for PV modules and components.
- Proposals can encompass any combination of the above subjects.

PV-ERA-NET Eligibility



- The call is open for universities, research centers, companies and others involved in PV and its integration in electricity grids.
- Cross sectoral consortia are encouraged.
- Consortia must include partners from at least two different PV ERA NET member states involved in this call.
- The proposals can cover joint projects with high regional/national complementarity with industrial involvement or academic cooperation on long-term aspects.

PV-ERA-NET Timing



Project
idea
to be
discussed
with the
regional /
national
agency

Preproposal
to be
submitted
by
15 December
2009

Preproposal to be checked and evaluated

Proposal
to be
submitted
by
15 March
2010

Proposal
to be
evaluated,
ranked
and
recommended
for grants

Project
start
for first
projects
granted
in
June
2010

PV-ERA-NET Evaluation



- The application will go through a 2-step procedure with a pre-proposal check and a proposal evaluation and ranking.
- Projects shall show the benefits, added values and complementarity of the activities of the partners from the different states.
 Project duration is 2 years max. Within this call, the funding rules of the national/regional agencies apply.

PV-ERA-NET



- Guidelines are expected to be published in October 2009
- Flyer is being distributed at this conference

PV-ERA-NET



Looking forward to your proposals

Check: www.pv-era.net