

Parallel session 2

RENEWABLE ENERGIES AND EFFICIENCY

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Most important issues to focus on:

- **Renewable Energies (RE) & Energy Efficiency (EE) will play a central role in the sustainable development of the Mediterranean rim,**
 - *Owing to increased policies and incentives to unbalance their development between South and North, East and West of MED*
 - *as concerns EE (esp. in built Environment), start by now!*
- **Specific technological R & I efforts, including concrete projects, need to propel the transition including the deployment of new technologies and the onset of a new Mediterranean energy market (*besides hydrocarbons*) over short, medium and long term**
- **Create and consolidate framework conditions - human capital, material, policies (*IP, standards, investments warranty, governance ...*) and risk capital and financing to enable and foster collaboration in energy R & I, the development of technological energy companies and for the establishment of Mediterranean joint ventures**

Main challenges to be addressed:

- **Focus on and develop RE & EE technologies and innovative approaches most adapted both to the Mediterranean rim resources & assets (*sun, wind*), integration of RE to the electricity grids and to the needs of each of its regions, including islands (*energy production, fresh & industrial water, economical and societal life, tourism,...*)**
- **R & I in RE & EE should support current needs of industry and society while preparing energy market evolution in which RE will occupy a significantly larger part, in synergy with the Mediterranean Solar Plan**
- **Favour R & I collaboration (*in particular between public and private actors*) and joint investment in energy by adapting the national R & I policies as well as bi- or multi-lateral R & I policies**
 - *integrate Energy R & I in a general Mediterranean policy with clear and administrative light governance rules*

Priorities for action – key next steps:

- **Focus R & I collaboration in RE & EE on specific, focussed and long term regional Joint Technological Programs of world-class level**
solar (all forms), wind, energy storage, energy efficiency, integrated poly-generation/poly-uses systems, multi-scale smart grids
 - **JOINT TECHNOLOGICAL AND INNOVATION PROGRAMS, DEMOs, Ris**
- **Deployment of EE & RE innovative technologies by favouring the development of technological companies, innovative practices (mainly EE), joint investments in innovation, provision of risk capital and the development of local professional skills**
(including technicians for deployment and maintenance)
 - **BUSINESS ALLIANCE(S), JOINT FINANCING, PROFESSIONAL EDUCATION**
- **Insert a Mediterranean part in EU energy R & I policies and innovative investments**
Education and Mobility programs (in & out-going against brain-drain), SET Plan (EII, EERA, Education & training, SETIS,...), H2020, EIT KICs (esp. InnoEnergy), ESFRI Energy group, RSFF & BEI, Dev-Co, etc.
 - **FP 7, H2020, JOINT EDUCATIONAL PROGRAMS, SET Plan**
- **Monitoring, Evaluation and re-adjustment**
 - **MEDITERRANEAN ENERGY CONGRESS (EVERY TWO YEARS)**