

“Sustainable Islands”

Energy Storage Solutions for Islands Conference

STORIES Project

The growing energy demand that contributes to the challenges of today's society and they require the adoption of technologies and solutions responsive to sustainable development in all its aspects: social, economic and environmental.

The need to reduce greenhouse gases emissions into the atmosphere and the actual energy consumption growth is driving the increasing use renewable energy sources and reliable energy storage systems.

The aim of the STORIES project is to make concrete suggestions for changes in policies and regulations covering RES installations on island grids and also to promote energy storage solutions to increase RES penetration.

The STORIES project has:

- focused on electrical grid access related to the low penetration of RES in islands;
- addressed economic aspects by comparing conventional power systems with hybrid RES-energy storage systems;
- encouraged the engagement of local key market actors in the implementation of RES electricity installations in remote or outlying regions;
- assessed policy and legislative issues related to the distributed electricity generation;
- examined the effect of adopting a favorable pricing framework for RES electricity installations integrated with storage technologies;
- conducted a targeted dissemination campaign of its results, and
- developed a roadmap for the adoption of RES-energy storage technologies by policy makers.

The Sustainable Islands Conference will present: the STORIES project results; successful cases of hybrid RES-energy storage systems integration in islands; future perspectives in the EU for the introduction of RES storage systems in islands and the best solutions for energy storage systems in islands with case-studies from European islands. The main barriers for the introduction of RES-hybrid storage systems and the way to overcome them will also be addressed in this conference. A Roadmap for the introduction of RES-hybrid storage systems in islands will be discussed in this event. This Roadmap will guide policy-makers and technology providers for years to come.

Program

DAY 1 - 25th of March 2010		
11:00	Welcome Luis Alves - IDMEC Institute of Mechanical engineering	Opening Session & STORIES Project Presentation
11:15	STORIES Project Manos Zoulias – CRES Centre for Renewable Energy Sources	
11:30	Cascais City Mayor António Capucho	
12:00	Invited Speaker TBA	
12:30	Lunch /Poster Session	
13:00		
13:30	Market Organization of Autonomous Electricity Systems Irini Panteri – RAE Regulatory Authority for Energy in Greece	Session 2: European and National Legal Framework
14:00	Existing Tariff Schemes in European Countries Goran Krajacic – FSB Faculty of Mechanical Engineering and naval Architecture of Zagreb	
15:00	Green Islands Project Paulo Ferrão - MIT Portugal	Session 3: Island Case-Studies & Successful Cases
15:30	S. Vicente Project Raquel Segurado – IST Instituto Superior Técnico	
16:00	Coffee Break/Poster Session	
16:30	Project WDH2 Ruy Spencer – Electra <i>to be confirmed</i>	Session 3: Island Case-Studies & Successful Cases
17:00	STORIES Project Case-Studies Antonis Tsikalakis NTUA National Technical University of Athens	
20:00	Conference Dinner	
DAY 2 - 26th of March 2010		
9:00	Porto Santo Hydrogen System Rui Martins – IST Instituto Superior Técnico	Session 4: Storage Technologies & Solutions
9:30	Greek Green Island Project Manos Zoulias - CRES Centre for Renewable Energy Sources	
10:00	Identification of Barriers to Higher RES Penetration Salvador Suárez – ITC Canary Islands Technological Institute	
10:30	Coffee Break/Poster Session	
11:00	Madeira Reversible-Hydro System Beatriz Jardim– EEM Empresa de Electricidade da Madeira	Session 4: Storage Technologies & Solutions
11:30	El Hierro Project – ITC Canary Islands Technological Institute	
12:00	RES Technologies SWOT Analysis - CRES Centre for Renewable Energy Sources	Round Table about Future Perspectives
12:30	Maximizing the Penetration of RES in Islands – Roadmap IST Instituto Superior Técnico	
13:00	Closing Session Maria da Graça Carvalho - Member of the European Parliament	