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PRESS FOR ENERGY SAVERS

DERlab

Project Acronym : **DER-Lab**
Project Title : **Network of DER laboratories and pre-standardisation**
Coordinator : **Institut für Solare Energieversorgungstechnik e.v (Germany)**
Website : *http://www.der-lab.net/*

ABSTRACT

DERlab is the European Network of Excellence (NoE) of independent laboratories, working in the area of the integration of distributed energy resources (DER) into electricity grids and the preparation of related standards and test procedures. The main objective of the proposed Network of Excellence (NoE) DER-Lab is to support the sustainable integration of renewable energy sources (RES) and distributed energy resources (DER) in the electricity supply by developing common requirements, quality c riteria, as well as proposing test and certification procedures concerning connection, safety, operation and communication of DER-components and systems. DER-Lab intends to strengthen the EC domestic market and to protect European interests on the internat ional standardisation level. A major objective is to establish a durable European DER-Lab Network that will be a world player in this field. The NoE will bring together a group of organisations for the development of certification procedures for DER-compo nents for electricity grids. The NoE will act as a platform to exchange the current state of knowledge between the different European institutes and other groups. The scattered, but high quality research and test facilities will be combined with great bene fit for the European research infrastructure DER-Lab will contribute by developing new concepts for control and supervision of electricity supply and distribution and will bundle at European level specific aspects concerning the integration of RES technolo gies. The absence of European and international standards for the quality and certification of components and systems for DER is a hindrance to the growth of the European market and for European penetration of the world market. It is within the aims of the proposed NoE to reduce these barriers and to work towards common certification procedures for DER components that will be accepted throughout Europe and the world. Obviously this work cannot be done on a national basis. The results of the project and afte rwards the output of the network will be a significant contribution to the European standardisation activities and will contribute to the harmonisation of the different national standards.

PARTNERS

Danmarks Tekniske Universitet – **Denmark**; Commissariat a l'Energie Atomique - CEA – **France**; Osterreichisches Forschungs und Prufzentrum Arsenal – **Austria**; CESI Ricerca – **Italy**; Politechnika Lodzka– **Poland**; Tehnice Universitet Sofia – **Bulgaria**; Centro Elettrotecnico Sperimentale Italiano 'Giancinto Motta' - CESI – **Italy**; Fundación Labein - **Spain**; Kema Nederland – **Netherlands**; the University of Manchester – **United Kingdom**; Institute of Communication and Computer Systems – **Greece**; Forskningscenter Risoe– **Denmark**.

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