




DERlab regional contact points:

 AT **AIT, Austrian Institute of Technology**

 HU Roland Bründlinger
 CZ roland.bruendlinger@ait.ac.at



 SK

 BG **Technical University of Sofia**

 RO Anastassia Krusteva
 krusteva@tu-sofia.bg

 DK

RISØ DTU

 FI Per Norgard
 SE vea@risoe.dk

 FR

CEA INES Institut National de l'Énergie Solaire

Jens Merten
 jens.merten@cea.fr


 DE

ISET e.V. | Fraunhofer IWES

Thomas Degner
 bereich-a@iset.uni-kassel.de

 GR

National University of Athens - ICCS

 CY Nikos Hatziargyriou
 nh@power.ece.ntua.gr



 IT

ENEA – Ricerca sul Sistema Elettrico S.p.A.

 SI Paolo Mora
 MT paolo.mora@erse-web.it



 NL

KEMA

 BE Peter Vaessen
 LU peter.vaessen@kema.com


 PL

Technical University of Lodz

 EE Piotr Gburczyk
 LV piotr.gburczyk@p.lodz.pl

 LT

 ES **LABEIN-Tecnalia**

 PT Eduardo Zabala
 ezabala@labein.es

 UK

The University of Manchester

 IE Joseph Mutale
 j.mutale@manchester.ac.uk

CONTACT

DERlab e.V.
 c/o Fraunhofer IWES
 Königstor 59
 34119 Kassel / Germany
 E-mail: info@der-lab.net
 www.der-lab.net

Board of the Association:

Dr. Philipp Strauss, Fraunhofer IWES / Germany
 Maria-Luciana Rizzi, ERSE / Italy
 Roland Bründlinger, AIT / Austria



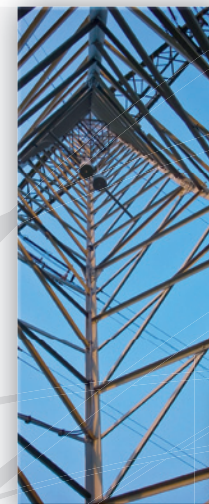
European association of independent laboratories working with integration of distributed energy resources

Our Vision:

To be the reference-lab in Europe for sustainable integration of distributed energy resources into power systems.

Our Mission:

Perform tests, pre-competitive and pre-normative research, as well as training activities, supporting the transition towards more decentralised power generation.



**European
Distributed Energy
Resources Laboratories**



Part of the European Research CLUSTER Integration of Renewable Energy Sources and Distributed Generation
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Outline

Leading research institutes from eleven European states have founded the association DERlab e.V. as an independent world-class laboratory for the grid-integration of distributed power generation.

DERlab develops joint requirements and quality criteria for the connection and operation of distributed energy resources (DER) and is strongly supporting the consistent development of DER technologies.

DERlab offers testing and consulting services for distributed generation (DG) to support the transition towards more decentralised power systems.



Services

- PV module & system testing
- DG interconnection testing (up to 1 MVA)
- EMC testing
- DER training & education
- Consulting for DG interconnection

Active in Standardisation Committees

- IEC-TC 8 / CENELEC-TC 8X
System aspects for electrical energy supply
- IEC-TC 82 / CENELEC-TC 82
Solar photovoltaic energy systems
- IEC-TC 57
Power systems management and associated information exchange
- CENELEC-TC 210
Electromagnetic Compatibility (EMC)
- IEC-SC 77A
Electromagnetic Compatibility: Low frequency phenomena

Research and Pre-Standardisation

Main research areas:

- DER interconnection
- EMC requirements for DER
- DER testing procedures
 - › PV inverters
 - › Communication
 - › Ancillary services
- Static converters in grids
- Grid-interface of storage systems

