

Workshop Agenda

„The potential of distributed energy data sources for DSOs & TSOs“

Online, 16th June 2021, 09h00 to 12h30

[Please register to the workshop here on Eventbrite](#)

09h00 **Welcome and Introduction**

Jakob Stoustrup, Aalborg University

09h15 **Experience of digitalization in the distribution grid**

Michael Lyhne, Thy-Mors Energi

09h30 **Novel ancillary services for the system operator**

Charis Demoulias, Aristotle University of Thessaloniki

09h45 **Net2DG: “Implementation of intelligent power distribution network”**

Hans-Peter Schwefel, Grid Data GmbH

10h10 **EASY-RES: “How aggregators can bring flexibilities from DSO to TSO level”**

Kyriaki-Nefeli Malamaki, Aristotle University of Thessaloniki

10h35 *Stretch your legs break*

10h45 **Interactive Break-Out Sessions – What Stakeholders can do next (and better!)**

Solutions for removing Barriers and boost Smart Grids

11h30 *Virtual coffee break*

11h45 **Presentation and Debate on the Results of Break-Out Sessions**

Georg Lettner, TU Wien

12h15 **Closing Remark**

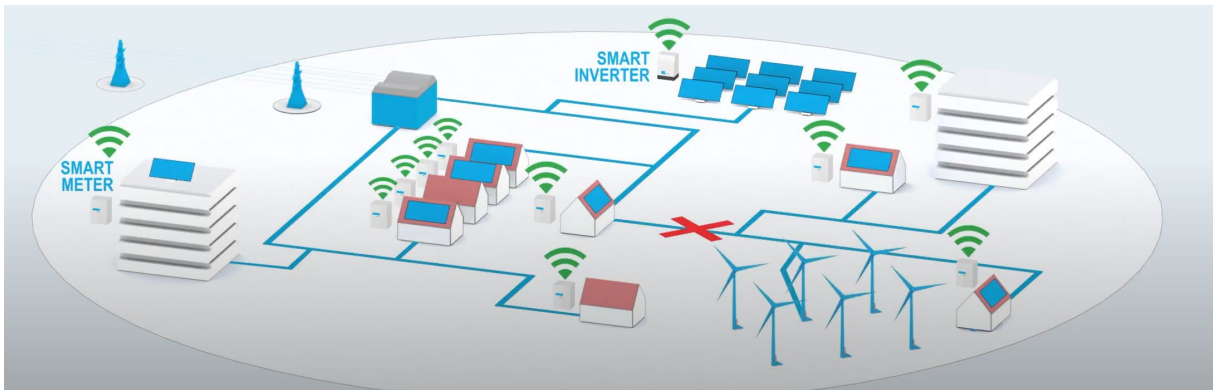
Hans-Peter Schwefel, Grid Data GmbH



About the Projects:

Net2DG: <http://www.net2dg.eu/>

The Net2DG project develops a proof-of-concept solution based on off-the-shelf computing hardware that uses available communication technologies to leverage measurement data from smart meters and smart inverters in Low Voltage (LV) grids. The Net2DG solution correlates these data with information from existing Distribution System Operator (DSO) subsystems, in order to enable and develop novel LV grid observability applications for voltage quality, grid operation efficiency, and LV grid outage diagnosis.



EASY-RES: <https://www.easyres-project.eu/>

The EASY-RES project develops a new type of converter for interfacing the DRES with the LV and MV distribution grids. The converter has grid-forming capability and an associated fast-storage system at its dc link enabling the DRES it to offer true inertia and additionally a number of advanced ancillary services (AS) such as operation as frequency containment reserve, ramp-rate limitation, extended fault-ride-through, controllable contribution to faults, harmonic mitigation capability and extended reactive power support for voltage regulation. EASY-RES also develops methodologies for the measurement and quantification as well as aggregation for those AS so that they can be offered to the TSO and DSO in a tradable manner. The AS are supported by a new ICT system covering the LV and MV side or distribution grids. Novel viable business models around each AS are developed. The technologies of EASY-RES are validated up to TRL5.

