



**International
Energy Agency**
Secure
Sustainable
Together

Roles and Responsibilities in Smart Networks

Setting the scene

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Introduction to the IEA project on smart, system-friendly DERs

New IEA project on smart, system-friendly DERs

■ 2016-18

- IEA electricity markets, renewables, and technology roadmap teams

■ Key questions:

- Updating our definition of (smart, system-friendly) DERs
- Understanding the maximum potential scenarios for DERs (PV + storage), micro-grid and off-grid deployment, and the potential impact on electricity system security
- Policy drivers and barriers for DER deployment and DER system-friendliness?
- New roles and responsibilities in smart networks?
- Implications for DERs for electricity pricing and charging
- Big data in smart networks
- Case studies in technologies and regulatory best practice

■ Upcoming workshops:

- June 2016, date tbd: Pricing and charging
- Autumn 2016, date tbd: Big data