



Rijksdienst voor Ondernemend
Nederland

Previous work of the group, Rationale of the workshop

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The group & previous work (1/3)

- Experts' Group on R&D Priority Setting & Evaluation
 - Part of the IEA Technology Network.
 - We organise 2 workshops/annum.
 - Our recommendations support the Committee on Energy Research and Technology (CERT), feed into IEA analysis, and enable a broad perspective of energy technology issues.
 - Work based on a 3 year program.





The group & previous work (2/3)

- The EGRD examines analytical approaches to energy technologies, policies and R&D. As such our recommendations can contribute to:
 - Theory: support of the methodology of priority setting & evaluation
 - “Test results”: discuss IEA work with the “practitioners in the field”: roadmaps (always together with IEA secretariat)
 - Cross-cutting: combine fields of expertise to speed up processes or determine blind spots.



The group & previous work (3/3)

Experts' Group on R&D
Priority Setting and Evaluation

Summary Report Evaluating R&D

9-10 November 2010
International Energy Agency



RD&D Needs for Energy System Climate Preparedness and Resilience

Workshop Summary

13-14 November 2013
IEA Experts' Group on R&D Priority Setting and Evaluation
Utrecht, The Netherlands

The Role of Storage in Energy System Flexibility

22-23 October, 2014
IEA Experts' Group on R&D Priority Setting and Evaluation
Berlin, Germany



Rationale of the workshop: *Will a smarter grid lead to smarter end users – or vice versa?*

Some observations (of many):

- Increasing technological options to balance the electricity net (Both hardware & ICT)
- Increasing number of appliances, call for higher quality of energy
- Increasing production of renewable energy
- Roll-out of smart meters

IEA publications on this topic by ISGAN, DSM, Secretariat



Smart grid applications at end-user points in several areas:

1. Energy efficiency
2. Peak load
3. Electrification of buildings
4. Electrification of transport (e-mobility systems connecting vehicles to grid),
5. Deployment of distributed generation technologies (e.g. solar photovoltaics with microgrids and local storage solutions).



To create optimal results we need to look at:

- Business and operating models
- Regulatory and standards frameworks
- End-user behavior that supports developments
- Risks and vulnerabilities

Which is more than technology.



This is how we work..

- We challenge you to answer & debate the questions in the rational during:
 - the presentations
 - the world café debate
 - the summery
- The results will be presented on the IEA website:
www.iea.org/aboutus/standinggroupsandcommittees/cert/egrdr/ (just google: IEA EGRD)