

INTERNATIONAL LOW-CARBON ENERGY TECHNOLOGY PLATFORM

How2Guide for Smart Grids in
Distribution Networks

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Context:

- ~20 IEA Global Technology roadmaps -published or under development
- Increasing demand for IEA guidance at national level
- Bi-lateral support can be resource intensive

How2Guide:

- Technology, policy, and methodological guidance
- Catalyse the development and implementation of roadmaps
- National and Regional level focus
- Guidance will be technology (or system) specific
- Guidance will be geographically neutral (i.e. applicable in any country)
- Each How2Guide will be developed on the basis of up to 4 technical workshops, each hosted in a different global regions against a diverse range of geographical and market contexts

Content summary:

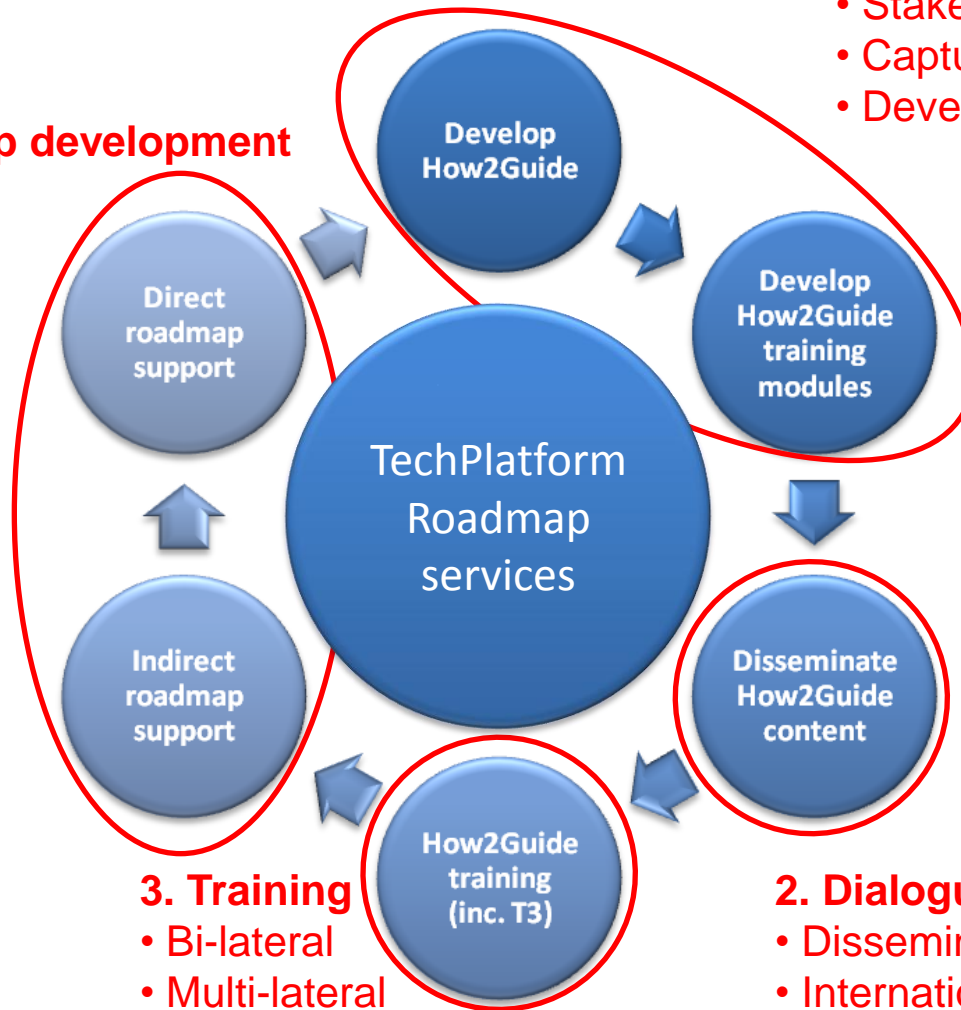
- WHAT are the salient policy issues for development/deployment?
- WHY are they important, and what are their impacts?
- WHICH solutions represent realistic options? Priority/solution pathways?
- WHO are the relevant stakeholders (per identified policy issue)?
- HOW - Best practice methodology on roadmap development
- HOW - Best practice methodology on roadmap implementation

1. How2Guide (H2G)

- Stakeholder engagement
- Capture knowledge
- Develop the tools

4. Roadmap development

- Direct
- Indirect



2. Dialogue workshop

- Disseminate H2G content
- International best practice
- Secure commitment

- ## 3. Training
- Bi-lateral
 - Multi-lateral
 - Train The Trainer (T3)

- **Smart Grids in Distribution Networks**
 - Partners: SENER, ISGAN, USDoE, SwissDoE, GE, ADB, SEAI
 - 1st workshop = March 26 – 28, 2012, Mexico City (SENER)
 - 2nd workshop = 12-13 September 2012, Dublin (SEAI)
 - 3rd workshop = 23-24 October 2012, Manila (ADB)
 - 4th workshop = February 2012 (TBC)
- **Other H2G technologies:**
 - Wind Energy
 - Bioenergy heat and power
 - Solar PV

- **Frequently Asked Questions?**

- Why focus on distribution networks?

- It is the sector with the greatest need and least development at this time
- Transmission system “smartening “ is already quite advanced

- Is this only for developing countries?

- No – but developing countries and emerging economies are a key audience for this initiative
- Many developed countries and regions have created roadmaps already, but many more are needed.

- What are some of the values of this project?

- A consistent methodology of smart grid planning and grid development will accelerate technology deployment
- Lessons learned in other regions can be shared abroad
- Countries and regions can better assess and communicate needs, leading to more appropriate and timely deployment of solutions

- Where can I get more information?

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