

# INTERNATIONAL LOW-CARBON ENERGY TECHNOLOGY PLATFORM

How2Guide workshop  
March 2012, Mexico City  
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International  
Energy Agency

# History + Objectives



- Established July 2009 – G8 meeting, L'Aquila
- Operations start October 2010: High level meeting, Paris

## Action:

## Outcome:

**Review progress of the low-carbon energy technology transition**

- Identification of gaps
- Accelerated and prioritised action

**Share best-practice for technology and policy**

- Efficient dissemination of best-practice technology, policy, and methodologies

**Catalyse technology collaboration initiatives**

- Technology strategy and roadmap development and implementation

- Covers all major low carbon energy technologies (inc. EE, PHEVs)
- IEA member and non-member countries, flexibility
- Partnerships with governments, industry, and private sector

# Summary of activity types:

## How2Guides

- Develop technology specific guidance for national level policymakers on development and implementation of national technology strategy.

## Workshops

- Facilitate workshops to support dialogue, disseminate technology and policy best practice, and catalyse partnerships and activities.

## Training

- Construct and disseminate replicable training tools (e.g. based on How2Guides) to support technology and policy best practice implementation.

## Roadmap development

- Build on IEA expertise and networks to facilitate the development of regional, national, and sub-national technology strategies

## Thematic analysis

- Build on IEA expertise and networks to support the development of in-depth research and analysis on customised technology policy issues.

## Gap analysis

- Annually review low carbon energy progress to identify gaps/duplication in international collaboration and prioritise Technology Platform activities accordingly.

## International engagement

- Syndicate Technology Platform and IEA experience, expertise, and analysis with international stakeholders, institutions, and processes.

# Workshop objective

## Technology Platform:

- Support development of a How2Guide for Smart Grids in Distribution Networks;
- Best practice technology and policy sharing

## ISGAN:

- Inform the ISGAN work program regarding the data and tools to facilitate development of national programs and accelerated deployment
- Identify opportunities/needs within the space of Distributed Energy Resource (DER) specifically

### Context:

- ~20 International roadmaps either 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:

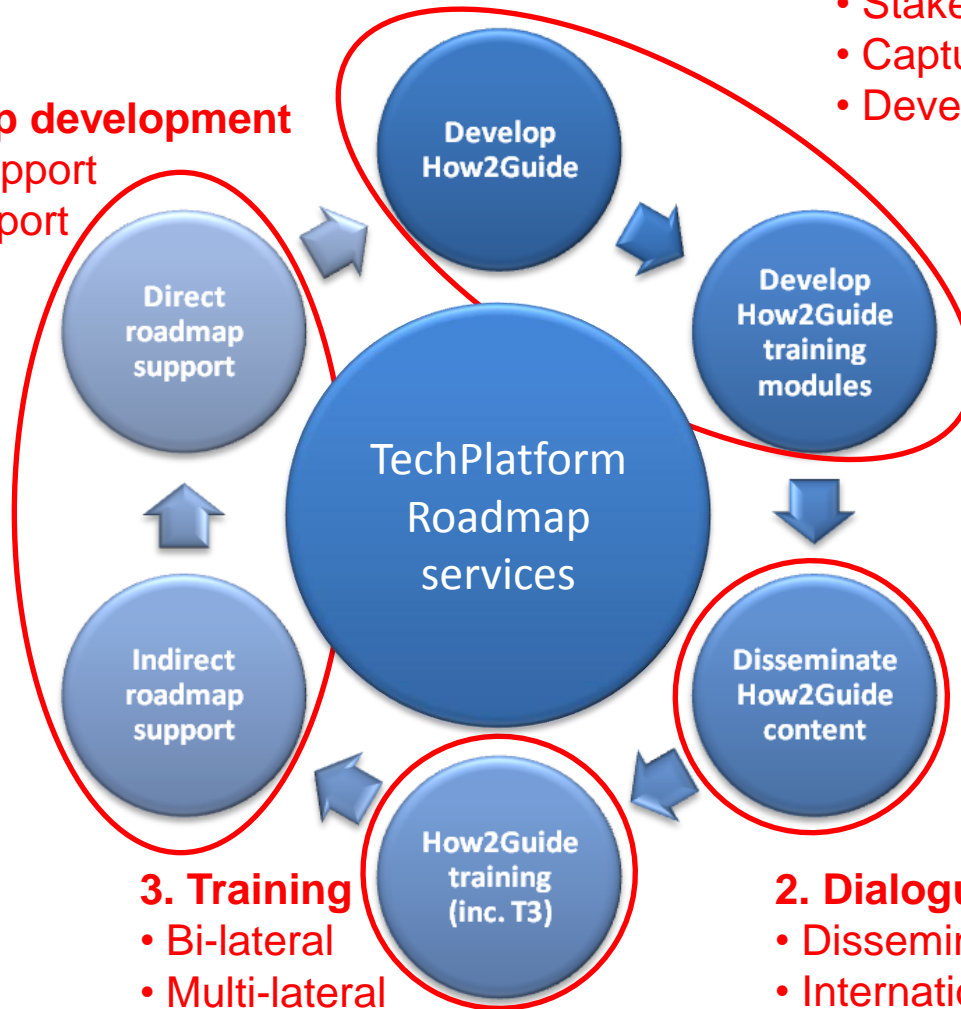
- WHAT are the salient policy issues for development/deployment?
- WHY are they important, and what are their impacts?
- WHICH solutions represent realistic options? Priority/solution pathways?
- WHO are the relevant stakeholders (per identified policy issue)?
- HOW - Best practice methodology on roadmap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

## 1. How2Guide (H2G)

- Stakeholder engagement
- Capture knowledge
- Develop the tools

## 4. Roadmap development

- Indirect support
- Direct support



## 2. Dialogue workshop

- Disseminate H2G content
- International best practice
- Secure commitment

- Bi-lateral
- Multi-lateral
- Train The Trainer (T3)

- **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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- Smart Grids in Distribution Networks
  - Partners: SENER, ISGAN
  - 1<sup>st</sup> workshop = March 2012, Mexico City hosted by SENER
  - Seeking project partners from Government and Industry
- Wind Energy
  - Partners: SEAI
  - 1<sup>st</sup> workshop = Dublin, hosted by SEAI, Date to be confirmed
  - Seeking project partners from Government and Industry
- Solar Energy (e.g. PV)
  - Early stage of development, build on activity in North Africa
  - Invite project partners from Government and Industry