INTERNATIONAL LOW-CARBON ENERGY TECHNOLOGY PLATFORM

Paris Energy Meetings
July 2012, Paris
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**WEO2011:** The door to 2°C is closing

Without further action, by 2017 all CO₂ emissions permitted in the 450 Scenario will be “locked-in” by existing power plants, factories, buildings, etc.
History + Objectives

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

**Action:**

- Review progress of the low-carbon energy technology transition
- Share best-practice for technology and policy
- Catalyse technology collaboration initiatives

**Outcome:**

- Identification of gaps
- Accelerated and prioritised action
- Efficient dissemination of best-practice technology, policy, and methodologies
- 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:**

<table>
<thead>
<tr>
<th>Activity Type</th>
<th>Description</th>
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<tr>
<td><strong>Workshops</strong></td>
<td>Facilitate workshops to support dialogue, disseminate technology and policy best practice, and catalyse partnerships and activities.</td>
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<td><strong>How2Guides</strong></td>
<td>Develop technology specific guidance for national level policymakers on development and implementation of national technology strategy.</td>
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<td><strong>Training</strong></td>
<td>Construct and disseminate replicable training tools (e.g. based on How2Guides) to support technology and policy best practice implementation.</td>
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<td><strong>Roadmap development</strong></td>
<td>Build on IEA expertise and networks to facilitate the development of regional, national, and sub-national technology strategies.</td>
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<tr>
<td><strong>Thematic analysis</strong></td>
<td>Build on IEA expertise and networks to support the development of in-depth research and analysis on customised technology policy issues.</td>
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<td><strong>Gap analysis</strong></td>
<td>Annually review low carbon energy progress to identify gaps/duplication in international collaboration and prioritise Technology Platform activities accordingly.</td>
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<td><strong>International engagement</strong></td>
<td>Syndicate Technology Platform and IEA experience, expertise, and analysis with international stakeholders, institutions, and processes.</td>
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IEA Technology Platform + Russia

- Russia co-chairs the IEA Technology Platform, Paris, October 2010;
- Dialogue workshop (Power generation), Moscow, September 2011;
- Discussions open on IEA Implementing Agreements 2011- Now;
- Russia attends How2Guide workshop for Smart Grids, March 2012;
- Dialogue workshop (Bioenergy), Moscow, June 2012;
- Training (Roadmap methodologies), Moscow, June 2012;
- Roadmap development (Bioenergy, Efficient Coal), ongoing 2012;
- Russia becomes a How2Guide partner for Bioenergy, June 2012;
- Russia to host a How2Guide workshop in Q1-2 2013;

International partnerships
Global leadership
Catalysing action
How2Guides:

- Technology, policy, and methodological guidance for governments
- Encourage and facilitate the development and implementation of national roadmaps
- Guidance will be technology specific + geographically neutral

Output:

- How2Guide publication + H2G training modules
- How2Guide training + capacity building activities (including train the trainer)
- Direct/indirect IEA roadmap support for governments

In development or consideration:

- H2G for Smart Grids in Distribution Networks
- H2G for Wind Energy
- H2G for Solar Energy
- H2G for Bioenergy
1. How2Guide (H2G)
   • Stakeholder engagement
   • Capture knowledge
   • Develop the tools

2. Capacity building
   • Disseminate H2G content
   • International best practice
   • Secure commitment

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

4. Roadmap development
   • Indirect support
   • Direct support

TechPlatform Roadmap services

How2Guide training (inc. T3)

Develop How2Guide

Indirect roadmap support

Direct roadmap support

Develop How2Guide training modules

Disseminate How2Guide content
IEA Technology Platform + Russia

- Russia a valued partner;
- Very active collaboration through the IEA Technology Platform;
- How2Guide partnership on bioenergy to gain from Russian leadership;
- IEA Technology Platform open to future projects opportunities.

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