

Meeting Minutes
International Energy Agency (IEA) Expert Group on Science for Energy
Members' Meeting
5 May 2009
IEA Secretariat, Paris, France

Background

Following Monday's workshop on *Science for Energy: Improving Linkages to Accelerate Energy Technology Breakthroughs*, the International Energy Agency's (IEA) Expert Group on Science for Energy (EGSE) held its first in-person meeting. The meeting was open to all workshop participants. This document summarizes the meeting, attempting to capture the main points of discussion and action items. Comments on this document are welcome; please contact Tom Kerr at tom.kerr@iea.org to provide feedback.

Summary of Discussion

The meeting began with a discussion of the EGSE's mission. The group decided to adopt the mission of the Ad-Hoc Group on Science and Energy Technologies (AHGSET), the EGSE's predecessor, with a few light modifications. The proposed mission statement is:

The Expert Group on Science for Energy's Mission is to support the development of environmentally and economically sustainable energy technologies by strengthening the role of science and the connections between basic science and applied energy programmes.

Comments are welcome to finalise this mission statement.

Mapping. Next, the group discussed whether the EGSE should continue its efforts to map current science for energy activities. Members agreed that mapping should focus on identifying the network of researchers working in relevant topics in all countries. The group decided that the mapping should be an evolving process, and it should include programmes and people who are actively working on science for energy. It was felt that this product was the first priority for action for the EGSE, as the mapping would identify possible areas of collaboration and also gaps that needed to be filled.

Next step: The IEA Secretariat will draft a template and an outline for the mapping report and send to members for review and comment.

Timing: Outline sent by end of May; first draft report July.

Workshops. Various workshops were discussed, such as a targeted workshop on modelling, a roadmap workshop, linking CERT workshop with the issues of energy storage, a workshop on accelerating innovation and breakthroughs, and pressure cooker workshops. The group agreed it would be useful to have a list of organizations to partner with for these workshops. Finally, there was some discussion of the planned German workshop on advanced modelling and mathematical tools; several participants expressed an interest in knowing more about this event.

Next step: The IEA will start a list of organizations with which the EGSE can partner to implement workshops and networking events. IEA will send the list to members for comment. Germany will send a flyer or draft agenda for its planned workshop to all members.

Timing: Messages sent by end of May.

Roadmapping. The group also discussed EGSE input into the *Energy Technology Perspectives 2010* (ETP2010) report. The members agreed more comments were needed on technology breakthroughs in the roadmaps as the current roadmaps lack details for the 2030-2050 timeframe. The EGSE can provide the roadmap authors with the right people to speak to regarding technology breakthroughs. It was suggested that the EGSE draft an information paper along with the Expert Group on R&D Priority Setting, that could also provide input into the ETP's section on energy R&D.

Next step: After the mapping document is completed, the findings will be incorporated into the ETP. Timing: July/August 2009

Outreach. The group discussed high-level messages and how to engage the younger generation in science. It was recommended that the EGSE hold workshops focused on the process, and explore tools like IEA awards, opinion editorials and other targeted messaging to the international community. The members contemplated what the EGSE can do that is unique. It was agreed that the primary focus of EGSE should be to draw attention to the need for international collaboration.

Next step: After the mapping document is completed, the findings will be synthesized into messages. The IEA Secretariat will also explore the possibility of IEA Awards and other outreach.

Timing: September-November 2009

General Administrative Tasks/Decisions

- The EGSE will meet once a year, except during its first year where it may be necessary to have two meetings (one in May 2009 and one in October/November).
- The EGSE will report to the IEA's Committee on Energy Research and Technology (CERT) at the CERT meetings.

Election of EGSE Chair/Vice Chairs

- The EGSE members discussed election of the group's Chair and Vice Chairs. The IEA Secretariat is now seeking nominations for EGSE Chair and Vice Chairs. In order to be eligible for a chair position, the EGSE members must be an official representative of his or her country. If you have questions about how to obtain official representative status, please contact Tom Kerr.
- *Job Descriptions:*
 - The role of the **Chair** is to work with the Secretariat to prepare for and manage EGSE meetings. Also the Chair will help to raise the visibility of the EGSE at conferences and workshops around the world, together with the IEA Secretariat. The Chair will work with EGSE members to consolidate opinions and advice for IEA and the CERT. Finally, the Chair will, where possible, report to the CERT on EGSE activities as needed.
 - The role of the **Vice Chairs** is to manage the duties of the Chair when the Chair is unavailable and assist the Chair when such assistance is required.
 - If you wish to nominate an EGSE member for Chair or Vice Chair please contact Tom Kerr at tom.kerr@iea.org. Members can nominate themselves. Please note there can be more than one Vice Chair. **The deadline for nominations is 31 May 2009.**