



International Partnership *for the* Hydrogen Economy



**Joint 12th Implementation and Liaison (ILC) & Steering
Committee Meeting (SC)
December 1-3, 2009
Washington, D.C., USA**



International Partnership *for the* Hydrogen Economy



Tuesday, December 1, 2009



1. Welcome

1.1 Opening Address by ILC Co-Chairs

M. Paul Lucchese (France)

Director, Commissariat à l'Énergie Atomique (CAE)

M. John Loughhead (UK)

Executive Director, UK Energy Research Center



1. Welcome

1.1.1 Introductions

- Roundtable Introductions

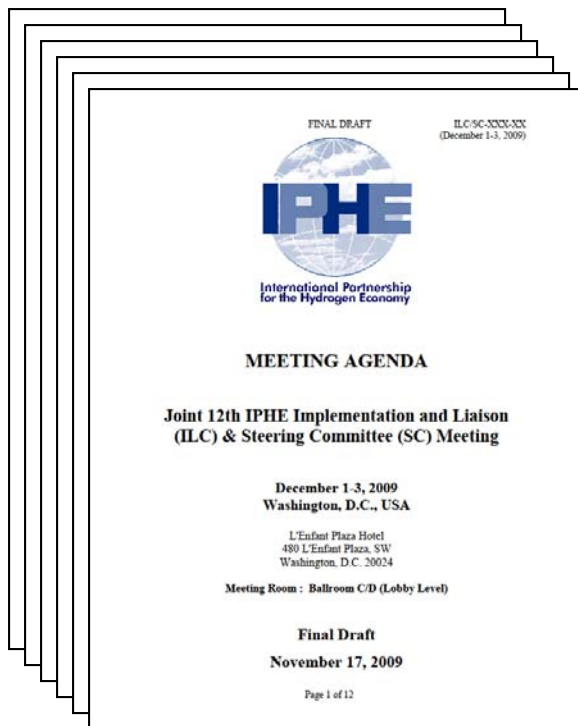
1.1.2 New Delegates and Observers





1. Welcome

1.2 Adoption of the Meeting Agenda and Objectives



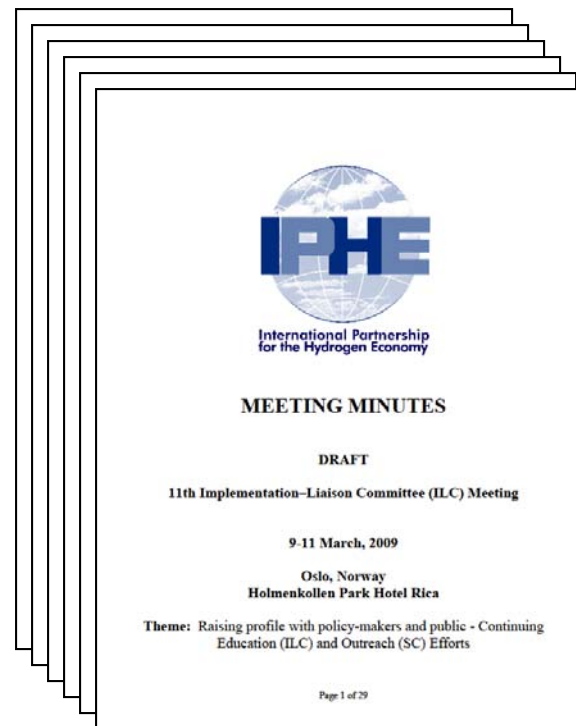
Objectives:

- To share relevant information and examine the current status of the ILC workplan;
- To discuss ILC priorities and approaches including lessons learned;
- To develop and provide advice for the SC's consideration.



1. Welcome

1.3 Adoption of the Minutes from ILC-11 Oslo, Norway 9-11 March, 2009





2. ILC Business

2.1 Overview from ILC11 – Oslo, Norway:



➤ Theme:

“Raising profile with policy makers and public - Continuing Education (ILC) and Outreach (SC) Efforts”

- Reviewed SON for SC11 (Uluru)
- Work Group Updates
- Site Visit - Hydrogen Refueling Station
- Action Items (22x) and Decisions (3x)



2. ILC Business

2.1 ILC11 (Oslo, Norway) – Action Items:

1. ILC members are encouraged to send the following information to the Secretariat:
 - Information on available commercial products lists
 - IPHE member roster updates
 - Hosting of future ILC meetings, and
 - Materials to be posted on the IPHE website

Status:

- Ongoing



2. ILC Business

2.1 ILC11 (Oslo, Norway) – Action Items:

2. Secretariat to contact IPHE Collaborative Project Leads (31x) to determine project status and provide input to Projects Brochure.

Status:

- All reported information was incorporated into the IPHE Collaborative Projects Brochure.
- Collaborative Projects Brochure completed
- Copies available



2. ILC Business

2.1 ILC11 (Oslo, Norway) – Action Items:

3. **US/DOE (Mike Mills) will update and send electronically the Country Profile drafts with added instructions to ILC members. ILC members are requested to update and return to US/DOE by April 30, 2009.**

Status:

- 6 country profiles now updated
- Ongoing

4. **ILC members are requested to prepare information related to hydrogen related curriculum activities. This data will soon be requested by the EWG.**

Status:

- Ongoing.



2. ILC Business

2.1 ILC11 (Oslo, Norway) – Action Items:

5. **The 2010 IPHE Award nominations deadline will be December 31, 2009. Members are encouraged to re/submit their nominations to the Secretariat.**

Status:

- Updated IPHE Website with new information.
- No new nominations received.
- Call still open.
- Ongoing.



2. ILC Business

2.1 ILC11 (Oslo, Norway) – Action Items:

6. **ILC vice-Chairs will address the WG Templates and report on alignment with Strategic Priorities at next ILC meeting (Joint SC/ILC – Oct. 2009)**

Status:

- Agenda Item 2.5.1



2. ILC Business

2.1 ILC11 (Oslo, Norway) – Action Items:

7. **Additional input to the IPHE Newsletter is welcomed from ILC members. Deadline for submission is March 27, 2009.**

Status:

- No additional input received from members.
- Secretariat identified additional articles
- Completed. Available.

8. **ILC vice-Chair for SP1 (Klaus Bonhoff) and Canada will lead initiative to develop eligibility criteria for participation in IPHE Global H2 Highway Network.**

Status:

- Agenda Item 2.4



2. ILC Business

2.1 ILC11 (Oslo, Norway) – Action Items:

9. ILC members are encouraged to indicate their interest to Germany in participating in the German Global IPHE Project on Education before April 30, 2009.

Status:

- Completed

10. EWG and Germany will develop publicity information related to German Global IPHE Project on Education for the IPHE newsletter by March 27, 2009 and the IPHE website by April 30, 2009.

Status:

- Completed



2. ILC Business

2.1 ILC11 (Oslo, Norway) – Action Items:

- 11. ILC members are requested to send additional information related to the US Global IPHE Project to the US/DOE (Kristin Deason) by May 30, 2009.**

Status:

- Completed.

- 12. ILC members are requested to send any specific items FCT could undertake to the Secretariat by March 27, 2009. This information will be included in MOU/agreement as examples of desired products or activities FCT could provide to the IPHE.**

Status:

- No additional input received from members.



2. ILC Business

2.1 ILC11 (Oslo, Norway) – Action Items:

- 13. Secretariat to send out Lessons Learned template to ILC members by March 27, 2009. Members are asked to return a completed template to the Secretariat by August 28, 2009. Norway to present at next ILC meeting.**

Status:

- Agenda Item 2.4

- 14. ILC members are requested to send any final comments on the IPHE-IEA Infrastructure Workshop Report to US/DOE (Mike Mills) by March 27, 2009. If no comments are received, this will be interpreted as consent and ILC approval of this report to the IEA.**

Status:

- Completed.



2. ILC Business

2.1 ILC11 (Oslo, Norway) – Action Items:

- 15. Comments received on SON document will be incorporated into draft #2 of the SON document and will be presented at the SC-11 meeting in Australia.**

Status:

- Completed.

- 16. ILC members are requested to provide 1 or 2 sentences as to why H2 should be accelerated, to the Secretariat by March 27, 2009. ILC Vice Chair for SP3 (Tony Clemens) to compile this information once exercise is completed.**

Status:

- 1 member submitted comments. Completed.



2. ILC Business

2.1 ILC11 (Oslo, Norway) – Action Items:

17. ILC members are requested to send any existing information, documents and reports identifying Hydrogen and Fuel Cell complementary technologies to the ILC vice-Chair for SP4 (Agostino Iacobazzi) by May 30, 2009.

Status:

- No input received

18. Secretariat to forward this list of technologies to ILC members for final review. ILC members are requested to return their comments to the Secretariat by July 31, 2009.

Status:

- No input received



2. ILC Business

2.1 ILC11 (Oslo, Norway) – Action Items:

19. ILC vice-Chair for SP4 (Agostino Iacobazzi) to present this information at next ILC meeting (joint SC/ILC) in October 2009.

Status:

- Agenda Item 2.6

20. ILC members are requested to send any additional comments and input to the Fuel Cell Cost Study to the US/DOE (Kristin Deason) before April 30, 2009.

Status:

- Completed
- Agenda Item 2.4



2. ILC Business

2.1 ILC11 (Oslo, Norway) – Action Items:

21. Secretariat, on behalf of the ILC, will recommend that the SC investigate IPHE participation in the upcoming G8.

Status:

- Limited opportunity. Other events could be explored. Ongoing.

22. ILC members are requested to send any comments on the development/content of the IPHE Website Map to the US/DOE (Kristin Deason) before March 27, 2009.

Status:

- No comments received



2. ILC Business

2.1 ILC11 (Oslo, Norway) – Decisions:

- 1. The 2008 IPHE Awards ceremony will be postponed due to the low number of nominations.**
- 2. Existing 2008 IPHE Award nominations from China and Japan will be retained (possibly updated) and brought forward to the 2010 IPHE Awards nomination process.**
- 3. The ILC has agreed that the SON Draft #2, incorporating ILC comments, will be sufficient to present at SC-11 in Australia.**



2. ILC Business

2.1.1 Overview of SC11 – Uluru, Australia:



- Update provided by:
Mr. Tim Karlsson, IPHE SC Chair
- Theme and Strategic Priority:
Complementary Technologies
- Global Hydrogen Project Updates
- State of the Nation (SON) Exercise



2. ILC Business

2.2 IPHE Secretariat Update

1. IPHE Newsletter
2. IPHE Collaborative Products Brochure
3. IPHE Website



2. ILC Business

2.2 IPHE Secretariat Update

1. IPHE Newsletter:

- Newsletter is published and will be circulated to interested parties via the IPHE Stakeholder registration distribution list (approx. 400+ contacts).
- A special edition of the IPHE Newsletter could be published for the IPHE Awards (WHEC 2010 - May 2010).



2. ILC Business

2.2 IPHE Secretariat Update

2. IPHE Collaborative Project Brochure :

- Secretariat has contacted all 31 project proponents for additional information on projects (status, interim or final reports, graphics or other relevant material) to be included in the finalized brochure.
- Brochure published and posted to the IPHE website.



2. ILC Business

2.2 IPHE Secretariat Update

3. IPHE Website:

- US DOE updating country pages to ensure material is current. 6 received and posted to date.
- Secretariat and US DOE continue to update the IPHE website. All meeting material posted to the member's section of the site.
- Additional improvements being considered including modifications to the World Map and traffic logging to monitor interest/effectiveness.



2. ILC Business

2.3 ILC Work Group Updates

2.3.1 Demonstration

2.3.2 Regulations, Codes and Standards

2.3.3 Education

2.3.4 Awards Committee



2. ILC Business

2.3 ILC Work Group Updates

2.3.4 Awards Committee

- 2008 Call for Nominations sent out July 18, 2008 with deadline for submissions extended to December 31, 2009
- Decision during October SC-10 meeting in Belgium:
 - “...the awards process will move to every two years, aligning with the World Hydrogen Energy Conferences”
- 3 nominations received to date. One for Excellence in Leadership and two for Technical Achievement.
- Awards program is a responsibility of the SC. Awards Committee consists of the SC Vice-Chairs (Canada, China, Italy, and Japan) and chaired by Italy.
- Ceremony to be held during WHEC 2010, in Essen, Germany



2. ILC Business

2.4 ILC Updates and Reports

1. Global H2 Project Updates
2. IPHE Success Stories Initiative
3. Fuel Cell Cost Study Report
4. II International Conference: Hydrogen Storage Technologies
5. IPHE – IEA HIA Memorandum(s) of Understanding



2. ILC Business

2.4 ILC Updates and Reports

2. IPHE Success Stories Initiative

- Secretariat sent out Lessons Learned template, developed by Norway and Canada, to ILC members in March 2009.
- Members were asked to return the completed template to the Secretariat by end of August 2009.
- 2 members returned the completed templates.
- Initiatives/projects could form part of a “virtual showcase” to be shown at selected events and conferences around the world.
 - Success story presentations could consist of 6-12 slides (using an IPHE template) on the history, development, and major features
- Unless otherwise directed, Secretariat to post these on the IPHE Website.



2. ILC Business

2.4 ILC Updates and Reports

5. IPHE – IEA HIA Memorandum(s) of Understanding (MOU)
 - 3 MOUs have been signed between IEA HIA and IPHE.
 - Task 22 – Hydrogen Storage Materials / Nov 2007
 - Task 18 – Integrated Systems Evaluation / Dec 2008
 - Task 19 – Safety / Dec 2009
 - IPHE countries participating should state that they will seek membership in the IEA HIA and final decision within 18 months.
 - Positive news from Russia and Brazil and promising news from China and India.



2. ILC Business

LUNCH

(1200-1300)

Solarium (Lobby Level)



2. ILC Business

2.5 ILC Strategic Discussion

2.5.1 Report on Work Group Strategic Priorities

- ILC Vice-Chairs

2.5.2 SON Report Discussion

- Status

2.5.3 ILC Priorities and Approaches

- Lessons Learned
- Advice for SC Consideration



2. ILC Business

2.5 ILC Strategic Discussion

2.5.1 Report on Work Group Strategic Priorities

- 3 IPHE Work Groups have completed the ‘Activities and Priorities’ templates
- ILC Vice-Chairs to provide members with a report on Work Group alignment with IPHE priorities
 - SP1 – Klaus Bonhoff (DE) – DWG
 - SP2 – Liudmila Orletskaya (RU) – EWG
 - SP3 – Anthony Clemens (NZ - absent) – RCSWG
 - SP4 – Agostino Iacobazzi (IT) – Agenda Item 2.6



2. ILC Business

2.5 ILC Strategic Discussion

2.5.2 SON Report Discussion

- Seeking ILC position and recommendations to the SC
- Communiqué – Now considered as separate document
- ILC expressed concern with level of detail and quality of report
- SC expressed concern with messaging and impact
- Level of input from members remains limited, which has impacted the document



2. ILC Business

2.5 ILC Strategic Discussion

2.5.3 ILC Priorities and Approaches

- Discussion of future ILC priorities and approaches, including lessons learned, observations, and advice for SC consideration.
- Anticipated SC discussion on IPHE reorganization
- Important for ILC to voice their opinion



2. ILC Business

2.6 IPHE's 4th Strategic Priority

- **Complementary Technologies**
- **Presented by ILC Vice-Chair for SP4, Agostino Iacobazzi**



3. Guest Speakers

Mr. Manfred J. Wilms

HYSAFE & the International Association for Hydrogen Safety



3. Guest Speakers

Dr. Khalid Benhamou

Saharawind NATO Science for Peace



Wrap up of Day 1

- **Summary of Day 1 discussion**
- **Welcome Reception 17:45 – 19:00**
- **Quorum Room (Lobby Level, close to check-in counter)**
 - **Hosted by:**
 - NHA - National Hydrogen Association
 - PATH - Partnership for Advancing the Transition to Hydrogen



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Thank You!