



IEA - INTERNATIONAL ENERGY AGENCY

**IMPLEMENTING AGREEMENT FOR
HYDROPOWER TECHNOLOGIES AND PROGRAMMES**



EUROPEAN SMALL HYDROPOWER ASSOCIATION

HYDROENERGIA 2006 – CRIEFF (Scotland)

8 June 2006

**"Research, Development and Innovation in Small Hydropower:
opportunities and challenges"**

Joint Event organised by the ESHA and IEA Annex II with the participating countries to the Annex II of the IEA Hydropower agreement (Canada, China, France, Japan, Norway).

2 pm Welcome address, Christine Lins, Secretary General of ESHA (Brussels)

Session 1 Chairman: Philippe Beutin, IEA (France)

- Overview of thematic network activities (TNSHP project), Maria Laguna, ESHA (Brussels)
- IEA Annex II (small hydropower): scope of activities, Philippe Beutin, Operating Agent IEA, Annex II (France)

- "Research, Development and Demonstration Strategy: a contribution from the TNSHP project" Vincent Denis, Mhylab (Switzerland)

Discussion

2.50 pm

Session 2 Chairman: Kearon Bennet, Chairman of Ottawa Engineering and Secretary of the IEA, Hydropower Annex II (Canada)

Recent achievements in small hydropower: driving forces for the innovation process, based on examples of successful R&D activities

- MJ2 technologies: Very Low Head (VLH) turbo generator: Marc Leclerc, General Manager (France)

- VATECH BOUVIER HYDRO: Innovation process and new challenges, Pierre Duflon, Director in charge of business activities (France)
- SEARCH demo project: lessons learnt , Alain Moissonnier, SEER (France)
- SCPTH (France): past experiences in collaborative research and lessons learnt, Jean Pierre Corbet, Secretary General (France)

3.50 pm Break

4.30 pm Session 3 Chairman: Christine Lins, Secretary General of ESHA (Brussels)

R&D challenges in selected countries to address SHP deployment

- NVE (Norway): R&D programme to improve planning tools, hydrology data, develop new technologies, improve competence on environmental issues, Jensen Torodd (Norway)
- NRCan (Canada): Small Hydropower Technology Development Programmes by Canadian Government, Tony Tung (Canada)
- New Energy Foundation (Japan), Hydroelectric Power Development Centre: Japan's approach of small hydropower development (speaker to be confirmed)
- ADEME: innovation approach considering small hydropower deployment by 2015, Philippe Beutin (France)
- INSHP: Fostering small hydropower activities in China, Prof Tong Jiandong, Director General (China)

5.30 pm

Round Table with representatives of IEA participating countries (Canada, China, France, Japan, Norway) and ESHA experts

- Strategy to develop opportunities to increase the share of green electricity in the electrical mix from small hydropower
- Joint activities or initiatives to be developed in the future between IEA – Annex II participating countries and ESHA to establish the basis of networking activities on R&D

6.15 pm

Conclusions by Christine Lins (ESHA) and Philippe Beutin (IEA)