

Hydrogen  
Energy  
Network  
**H<sub>2</sub>NET**



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# **UK HYDROGEN ENERGY NETWORK (H<sub>2</sub>NET)**

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## What is H<sub>2</sub>NET ?

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- Association of (UK-based) professional scientists, engineers, industrialists, and others working on aspects of hydrogen as an energy carrier
  - Funded by EPSRC (2000-03)
  - Funded by DTI (2003-05)
  - Director : Dr Geoff Dutton, CCLRC-RAL  
e-mail : a.g.dutton@rl.ac.uk
  - Steering Committee
  - Web pages  
<http://www.h2net.org.uk>
  - 140 registered members (September 2003)
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## H<sub>2</sub>NET - Objectives

- To promote the development and integration of hydrogen-based energy systems
- To bring together relevant (multidisciplinary) expertise from academia and industry to identify research needs, critical transition steps, and potential barriers in the development of a hydrogen economy in the UK
- To encourage the formation of consortia to pursue research and development projects
- To provide a forum (web-site, e-mail discussion groups, seminars) for discussion of all aspects of the hydrogen economy
- To keep members up to date on developments in hydrogen energy
- To advise and inform on the possible development of the hydrogen economy

## H<sub>2</sub>NET - Principal activities

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- Annual network workshop on an “integrated” theme
    - International flavour (Iceland, the US DOE hydrogen programme, review of progress in European fuel cell applications)
  - Programme of specialist workshops (2 or 3 per year)
    - Hydrogen storage; Hydrogen production; Hydrogen end-use systems; Hydrogen safety and standards; Novel hydrogen technologies; Hydrogen systems
  - Maintain WWW pages
    - <http://www.h2net.org.uk>
    - list server for discussion group
  - Database of H<sub>2</sub>NET members/expertise
  - Monitor national/international funding calls
  - New monthly newsletter
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## H<sub>2</sub>NET – Future development

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- First port of call for information on UK hydrogen energy projects
  - Seeking to establish a UK Hydrogen Energy Association by the end of 2004 at the latest
    - Co-ordinated approach to policy and planning issues
    - Participation in establishing codes and standards
    - Best practice guidelines for hydrogen installations
  - Increased interaction with Europe (EHA), the United States, and international bodies (IEA)
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## Regional, National, and International Hydrogen R&D Programmes

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- **Introduction** Geoff Dutton (RAL)
  - **Hydrogen in the EU** Bill Borthwick (EC)
  - **The DTI perspective** Ray Eaton (DTI)
  - **The Carbon Trust programme**  
Garry Staunton (CT)
  - **The role of an RDA** Stuart Horsley (AWM)
  - **Discussion**
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- To be held at CCLRC Rutherford Appleton Laboratory on Friday 28 November 2003 starting at 11:30 am (coffee from 11:00)
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