



# The Icelandic Hydrogen Process

-Towards a Hydrogen Economy -

Country Statement  
for the IPHE Steering Committee  
September 2006, Reykjavik, Iceland



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# I. New Policy Initiatives on Hydrogen.





# New Policy Initiatives on Hydrogen

- **Major Governmental statement:**
  - Funding ensured for a 3 years hydrogen program.
  - Fuel Cells as well as ICE powered vehicles.
  - Faster drive towards the hydrogen economy





## II. Hydrogen R&D update.



# Hydrogen R&D update.

## 1. Production

- Increased efficiency of electrolysis through High Temperature Electrolysis
- Evaluation of geothermal sources of H<sub>2</sub> such as H<sub>2</sub>S hydrogen from boreholes
- Enhanced use of renewable energy

## 2. Storage

- Continued search for optimal H<sub>2</sub> storage option in collaboration with international projects & researchers

## 3. Infrastructure

- Study and simulation of infrastructure options for best possible solutions for H<sub>2</sub> production and distribution





# III. Demonstration Project Update



# Demonstration Project Update

## Ongoing projects:

- HYFLEET:CUTE – running until January 2007
- Stationary application Keflavik Airport – running until January 2007

## New projects:

- Passenger vehicles demo: 2007 –
- Auxiliary marine power: 2008/2009 -

**Iceland - International Platform for  
Hydrogen Research & Demonstration**





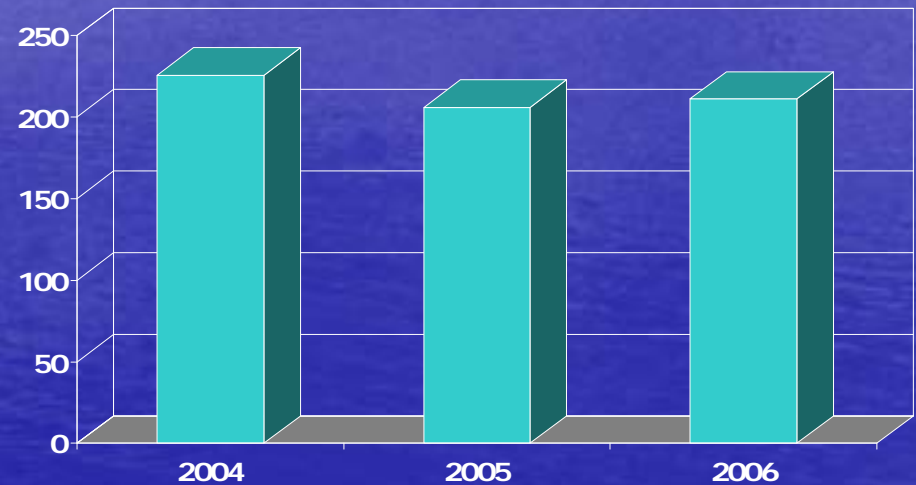
# IV. Funding



# Funding (1000 US \$)

- Reported Governmental funding only
- Project funding not included
- Other renewable sustainable fuels included

Governmental Funding - Sustainable Fuel





# V. Events and outreach





# Events and outreach

- **Bringing Hydrogen Technology to the attention of the United Nations**
  - Focus on energy at the Commission of Sustainable Development of the UN in 2006 and 2007
  - Creating awareness of the importance of hydrogen technologies for sustainable development



# Events and outreach

- The 14th session of the Commission on Sustainable Development, CSD-14, May 2006
- A Learning Centre on Renewable Hydrogen for a Sustainable Energy Economy in cooperation with UN DESA and the IPHE Secretariat







# Events and outreach

- International Seminar on Hydrogen Economy for Sustainable Development

Reykjavik, September 28 – 29, 2006

-Cooperation with UN DESA

-Hydrogen for developing countries

-Participants from over twenty developing countries



IPHE SC Meeting, September  
2006, Reykjavík, Iceland





# Events and outreach

- Follow-up at CSD-15 in May 2007
  - Introduction of conclusions of the International Seminar on Hydrogen Economy for Sustainable Development
  - Co-operation on renewable energy and hydrogen projects in developing countries



The Hydrogen Journey Continues

*Thank  
you*