



## **Objectives**

The principal objective of the International Seminar is to provide a forum for distinguished experts from the scientific community and academia, representatives of the industry and financing community, strategic planning and policy-making officials from governments, of both developed and developing countries, as well as from international organizations, to discuss technical, policy and financial issues related to hydrogen fuel and sustainable development.

*The Seminar will focus on the following key topics:*

### **A. Status and trends of the hydrogen economy**

- Latest development of hydrogen-based energy systems;
- Hydrogen production/conversion, transportation and storage, infrastructure and applications;
- Long-term vision from the viewpoint of sustainable development;
- Successful demonstration projects;
- Cross-disciplinary and cross-country cooperation.

### **B. Developing Country Perspectives and Experiences with Hydrogen Production and Use**

- Need for and potentials of early involvement of developing countries;
- Identify capacity-building needs and explore feasible and effective ways of assisting developing countries;
- Discuss in particular perspectives for island economies.

### **C. Perspectives for the Development and Use of Renewable Energies and Potentials for Hydrogen Production**

- Project experience and proposals on the utilization of renewable energies, including for hydrogen production;
- Focus on regions and countries with abundant renewable energy sources, particularly among developing countries
- Special attention for small island developing countries and their development of renewable energy sources.

### **D. International Financing of Energy Projects in Developing Countries – including Hydrogen**

- Discussion on the need for and benefits of strengthened international financing of energy projects;

- Recommendations for priority areas and effective approaches, including bilateral, regional and global cooperation, partnerships, and North-South and South-South cooperation

*- Special Event -*

### **A Hydrogen Economy based on Geothermal Resources: Current Developments and Potentials**

Representatives from the private sector and research institutions of Iceland present on the current situation of developing and using hydrogen-based energy technologies using the abundant geothermal resources of the country.

The Seminar is expected to lead to:

- (A) a better understanding of the role and potential of hydrogen energy in promoting sustainable development,
- (B) improved understanding of the technological, institutional, economic and financial challenges facing the development of a hydrogen economy,
- (C) recommendations on priority areas for international cooperation and support for the early involvement of developing countries. The outcomes of the Seminar will be widely shared throughout the international community and could be submitted to the CSD for consideration at its fifteenth session.

## **Contact information**

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