



INTERNATIONAL PARTNERSHIP FOR HYDROGEN AND FUEL CELLS IN THE ECONOMY

IPHE Stakeholders Roundtable: Hydrogen's Role in the Energy System - Vision & Actions

AGENDA

When: Tuesday 25 April 2023 (09:00 - 16:00)

Where: The Capital Menlyn Maine Hotel & Apartments
194 Bancor Ave, Menlyn, Pretoria
ABCD Room

This Stakeholders Roundtable will explore the role of hydrogen in addressing key issues identified in the energy transition underway globally. How will hydrogen help address stability, resiliency, and efficiency of the energy system as it undergoes fundamental changes to address environmental, economic, and societal goals.

This Roundtable will explore the visions for hydrogen in energy systems by leading countries, consider marketplace framework issues including Standards Protocols and the financing to support leading projects, and how to address the potential social impacts of the transition to the new energy mix within regional, national and international energy systems.

Participants

- Director Generals of relevant Government Departments
- IPHE Country Representatives
- CEOs of Gas Companies, Utilities and Development Finance Institutions
- CEOs of Science Councils and Universities

Itinerary

09:00 Registration: Refreshments Available

09:30 Opening: Welcome Address by Dr Rebecca MASERUMULE, IPHE Chair

09:40 Keynote Address: Host Dignitary – Dr Phil MJWARA, Director General, Department of Science and Innovation (DSI)

Panel Sessions:

10:00 Session 1: Explore the Role of H2 for Energy Grid Stability, Reliability, and Efficiency

- What are some practical examples of addressing short term energy security challenges such as in South Africa using, in part, hydrogen and fuel cells?



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Panel Moderator: Dimitrios PAPAGEORGOPOULOS, Hydrogen and Fuel Cell Technologies Office, US DOE

- i. HC Vision Africa, Ompi APHANE, Founder
- ii. Presidency, Masopha MOSHOESHOE, Chief Director of Green Economy
- iii. Gauteng Department of Economic Development, Witness MOKOENA, Director: Green Economy
- iv. India: IPHE Delegate: Ajay YADAV, Joint Secretary, Ministry of New and Renewable Energy
- v. Japan: IPHE Delegate – Hiroki YOSHIDA - METI (Ministry of Economy, Trade and Industry):

Extended Question & Answer Session (20 min)

11:00 Coffee Break

11:30 Session 2: Hydrogen in the Economy – Standards and Certification

- What issues need to be addressed in support of a global low-carbon H2 market?
- What are countries doing to prepare for global H2 trade?
- What has IPHE been doing in support of developing a global H2 market?

Moderator: Laurent Antoni, IPHE Executive Director

- i. IPHE: IPHE Delegate/France- Tudor FLOREA, Policy advisor on Green technologies, hydrogen and energy storage, Ministry of Ecological transition
- ii. IEA: Jose BERMUDEZ, Energy Analyst. Hydrogen and alternative fuels (online)
- iii. European Commission: IPHE Delegate - Patrice MILLET, Policy Officer
- iv. Australia: IPHE delegate- Rebecca THOMSON, National Hydrogen Strategy, International Climate Change and Energy Innovation Division (Online)

Extended Question & Answer Session (20 min)

12:30 Lunch

13:30 Session 3: Funding the African Hydrogen Revolution

- How can Emerging Economies fund the move toward a hydrogen economy?
- What are practical examples for supporting local demand creation as well as countries aspirations to sell low carbon hydrogen/ammonia globally?

Moderator: Noe Van Hulst, IPHE Vice-Chair

- i. Industrial Development Corporation- Rian COETZEE, Head of the Industry Planning unit and acting executive of mining and infrastructure
- ii. UN Industrial Development Organization – Petra SCHWAGER, Chief Climate and Technology Partnership Directorate (online)
- iii. Rand Merchant Bank – Nigel BECK, Head of Sustainable Finance and ESG Advisory –
- iv. World Bank- Mrs Bekele DEBELE, Program Leader for Sustainable Development and Infrastructure

Extended Question and Answer Session (20 min)



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14:30 Coffee Break

15:00 Session 4: Hydrogen Valleys as a Tool of Levelling-Up Communities

- What are some practical examples of how countries are using Hydrogen Valleys to address inequality in their countries?
- What are some of the critical success factors?

Moderator: Tim Karlsson, IPHE Senior Advisor

- Mission Innovation: IPHE Delegate – Franz LEHNER /Germany, Division Manager International Cooperation
- USA: IPHE Delegate- Dimitrios PAPAGEOGOPOULOS, Hydrogen and Fuel Cell Technologies Office
- Anglo American, Fahmida SMITH, Principal Market Development
- Bambili, Zanele MAVUSO MBATHA, CEO
- Sasol, Dumisani NKALA, Senior Vice President Low Carbon Energy Solutions

Extended Question and Answer Session (15 min)

15:45 Closing Remarks: Laurent ANTONI, IPHE Executive Director

16:00 Close of the IPHE Forum
