DEVELOPMENT DIALOGUE
Second Session
UNIDO’s Global Partnership for Hydrogen in Industry
UNIDO’s Global Programme for Green Hydrogen in Industry

- Launched in July 2021
- Aims to foster the application of green hydrogen in industry in developing countries and transition economies.
- Supported by Austria, Germany, Italy and the International Hydrogen Energy Centre in China
UNIDO’s Global Programme for Green Hydrogen in Industry
New pathways for industrial and economic development in line with climate goals

Overcome challenges

- Policies
- Costs
- Investment
- Local skills

Develop local industries through domestic GH2 production & application

- Enhance national energy security
- Stimulate innovation and grow markets for hydrogen technologies and exports
- Drive the increase of renewable energy
- Create new jobs
Programme Structure

GLOBAL PARTNERSHIP

- Developing
- Exchanging
- Joint project development
- Awareness & capacity-building
- Knowledge products

INTERNATIONAL HYDROGEN ENERGY CENTRE (IHEC) in Beijing

TECHNICAL COOPERATION

- Coordinating
- Enabling
- Technical training and guidelines
- GH2 industry clusters
- Country interventions

GLOBAL PARTNERSHIP

- Policy dialogue

TECHNICAL COOPERATION
Global Partnership

**WHAT IS THE GLOBAL PARTNERSHIP?**

**Platform** for Member States, industries, private sector, investors, research and academic institutions.

It provides opportunities for policy dialogue, awareness-raising, knowledge sharing and supports TC cooperation.
Global Partnership

Key activities

1. Policy dialogue
2. Joint project development
3. Creation of knowledge products
4. Awareness raising & capacity building
1. Policy Dialogue

The Policy dialogue aims to support the scale-up of production and application of GH2 in industry by:

- **Aligning** climate and industrial policy development targets
- **Promoting collaboration**, e.g. on regional GH2 roadmaps
- **Exchange of best policy practices** for creating conducive frameworks for GH2 in industry
We have established a partnership with UNIDO. It will assist with creating an agile, effective and relevant National Hydrogen Energy Centre that will institutionalise the implementation of the Hydrogen Society Roadmap.

Dr. Blade Nzimande
Minister of Higher Education, Science and Innovation
2. Joint project development

- Assisting countries in partnering for GH2 projects, industrial clusters and value chains
- Mobilizing funds and investments for activities at the country level
- Pooling expertise, knowledge and resources by connecting stakeholders
2. Joint project development

Partners for project development in Morocco

- Government of Morocco
- UNIDO
- PCP Morocco
- Maghreb steel (Industry)
- Green Climate Fund
- IRESEN Research Institute
- Partnership for Action on Green Economy
3. Creation of knowledge products

➢ **Developing** knowledge products in form of guidelines, training manuals and best practices, etc.

➢ **Addressing topics**: “hard-to-abate sectors, sector coupling, technical and safety standards, business models and enabling policies”.

3. Creation of knowledge products
Development of Technical Guidelines for UNIDO GH2 Cluster Model

UNIDO collaborates with the following institutions:

- GreenLab
- FCA
- New Energy Coalition
- dena Deutsche Energie-Agentur
3. Creation of knowledge products

A Global Affair: International standards to facilitate global trade

**CHALLENGE**
Lack of international standards as a major institutional barrier to deploying H2 technologies

**RESPONSE**
Facilitate development of standards to enable commercialization of H2 and establish markets

**SPECIFIC FOCUS:**
International standards
4. Awareness raising & capacity building

- Global awareness and capacity building for **different stakeholders** on social, economic and climate impacts of GH2 in industry
- **International workshops, events** and skills development and trainings
Presented cooperation initiatives:

- Facilitating coordination among policy makers and private sector to implement the South African Hydrogen Society Roadmap – H2 Centre establishment
- Preparing a GH2 industrial cluster for iron and steel industry with Morocco
- Engaging with ENI in developing joint projects and knowledge products
- Coordinating with the International Hydrogen Energy Centre (Beijing) on H2 standards
- Cooperating with World Energy Council Austria for awareness raising events and youth engagement
Global Partnership: together we can do more!

Thank you!

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https://www.unido.org/green-hydrogen