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**AGENDA FOR STRATEGIC
COOPERATION ON GREEN
HYDROGEN
2023-2025**

**Between The Ministry of Energy
of the REPUBLIC OF CHILE**

And

**The Ministry of Economic Affairs and
Climate Policy of THE NETHERLANDS**



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Political Background

In July 2021 the Ministry of Energy of the Republic of Chile and the Ministry of Economic Affairs and Climate Policy of The Netherlands started a Structured Dialogue on hydrogen by signing a Joint Statement which laid the foundation to enhance the bilateral cooperation and share of knowledge on hydrogen policy and to jointly promote public and private initiatives in green hydrogen. To achieve this, several government-to-government sessions were held and hydrogen innovation and trade missions were organized in both countries, all being successful in achieving the initial goals.

In order to strengthen the existing governmental cooperation as well as economic, scientific and technological exchanges, the Minister of Energy of the Republic of Chile, Mr. Diego Gonzalo Pardow Lorenzo and the Minister for Climate and Energy Policy of the Netherlands, Mr. Rob Jetten, agree to develop and implement an Agenda for Strategic Cooperation on Green Hydrogen for the period 2023-2025.

Aim of the Strategic Agenda

This strategic agenda aims at identifying strategic topics to develop cooperation on green hydrogen and to define priority actions for the next two years. It focuses on reinforcing collaboration at the government level, exchanging knowledge on strategies and regulations and on fostering collaborations among companies to develop joint projects that bring forward the international hydrogen supply chain.

Lines of Work

Both countries reaffirm their willingness to cooperate in the field of energy transition, renewable energies deployment, green hydrogen applications, port infrastructure and green shipping corridors, for which purpose they intend to implement the three following specific lines of work, under which specific activities are stated.

- 1. Promoting public-private stakeholders' articulation for the development of the green hydrogen supply chain and intra-port cooperation to materialize a zero-emission shipping corridor from Chilean ports to Dutch ports**

The goal is to work together to create a corridor for hydrogen generated from renewable energies in Chile and distribute it efficiently throughout Europe from Dutch ports, aiming to achieve a one-of-a-kind pilot/corridor design. Hydrogen trade missions are crucial for this as well as matchmaking events to connect hydrogen importers and exporters. The Chilean government will also work with the Port of Rotterdam and TNO to build a Master Plan for the development of hydrogen infrastructure in the Port of Mejillones. It is important to assess the local impact that hydrogen developments will have on the Port of Mejillones and to analyze how it can contribute to the Sustainable Development Goals.

- 2. Exchange information and experiences on each country's policy, regulatory aspects, innovation and developments in the field of green hydrogen and its derivatives**

The exchange of information and experiences during 2023-2025 should be based on the existing collaborations, both on bilateral level and multilateral level throughout international platforms, such as IPHE and CEM. This contributes to engagement and continuity. In addition, possible new research collaborations should be explored. The focus of the collaboration will lie on strategic important topics of mutual interest, among others:



- Environmental and social impact of hydrogen projects and developments on local communities;
- Certification schemes for the potential supply of low-emission hydrogen and its derivatives, such as green ammonia, methanol and other low-emission synthetic fuels;
- Creation of green hydrogen hubs through a systemic approach based on the design of macro zonal road-maps (instruments aiming to generate a portfolio of coherent initiatives for the different components of the logistic system);
- Setting up export-import corridors for green hydrogen between Chile and the Netherlands connecting green hydrogen hubs;
- Port infrastructure optimization and regulatory aspects to foster the creation of green maritime hubs;
- Blending process of green hydrogen in the existing gas networks and pipelines, as well as their underground storage technology;
- Green hydrogen-related patents and electrolyzers production and manufacturing;
- Fuel cells applications for heavy vehicles, especially for mining haul trucks;
- Safety issues associated to production, transport, storage and implementation and development of risk policy;
- Critical materials for key technologies in the green hydrogen value chain; and
- Human capabilities for all the green hydrogen value chain.

At least one technical session will be organized each year highlighting one or more of these strategic topics and inviting relevant stakeholders to participate in the discussion. Within the Dutch Partnership for International Business (PIB) “Smart and Sustainable Solutions for the Chilean Ports, Logistics and Energy Sector” lies the possibility to support the companies within this cluster to do international business. From the year 2024 onwards, the technical sessions could be supported by the PIB program.

3. Cooperate in the field of Sustainable Aviation Fuels (SAF), especially on regulatory aspects, market incentives and technology applications.

Collaboration will be sought between various actors, both from public and private sectors, to promote energy sustainability in commercial aviation. Scientific collaboration will be pursued to advance the development of SAF in both countries and try to establish a pilot test. Matchmaking between the actors will be facilitated by the governments.

Activities and timetable

Here below are the activities envisioned for the Agenda for Strategic Cooperation in the period 2023-2025. This is a “living” agenda and can be subject to modifications. Upon mutual agreement, participants may add or modify the agenda of activities, depending on the fulfillment of the activities already programmed, and others that may arise in the future.

Activity	Goal	Target Group	Date	Responsible organization
Technical session Nr. 1 on Infrastructure	To share information on hydrogen blending and reutilization of infrastructure	Network Operators and government officials	Q2 2023 (online or at WHS in Rotterdam)	Governments of Chile and Netherlands
Chilean participation in the Dutch Energy Executives Training Program	Creating long-lasting business relationships	Senior business representatives	Q2 2023 (during WHS)	Government of the Netherlands
Matchmaking event offtakers and suppliers	To link potential offtakers of hydrogen in NL with suppliers in Chile	Companies	Q2 2023 (WHS in Rotterdam)	Government of The Netherlands
Chilean Pavilion at the WHS in Rotterdam	To present the Chilean Hydrogen Ecosystem and connect with foreign parties	Companies	Q2 2023 (WHS in Rotterdam)	Government of Chile
Signing a Joint Statement between Chilean and Dutch stakeholders to foster collaborations in the Mejillones Bay area	To foster collaborations between companies or institutions from both countries to develop joint projects that bring forward the international hydrogen supply chain in the Mejillones bay area	Companies and public institutions	Q2 2023 (WHS in Rotterdam)	Government of Chile and Government of The Netherlands
Master Plan for port development	To develop a hydrogen exporting port in Mejillones	Ports	Finalized by Q4 2024	Port of Rotterdam, TNO and Government of Chile
Hydrogen Trade Mission to Chile	To bring Dutch and Chilean companies in contact and stimulate cooperation	Companies	Q3 2023 (yet to be confirmed)	RVO, Embassy of The Netherlands in Chile
Matchmaking actors SAFs	To promote scientific collaboration on SAFs and try to establish a pilot	Universities, research institutes and relevant companies	Q3/Q4 2023	Governments of Chile and Netherlands
Technical session Nr 2	To exchange information on Port Infrastructure	Government officials, PIB companies, Ports	2024	RVO, The Netherlands
Assessment on local impact of hydrogen port development	To assess the local impact of hydrogen production, transport and shipping from the Mejillones port to The Netherlands	TBD	TBD	Government of Chile and The Netherlands subject to availability of funding



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Implementation

The implementation of the Agenda for Strategic Cooperation on Green Hydrogen 2023-2025 between Chile and the Netherlands will be carried out in close collaboration between the national authorities, in the case of the Republic of Chile, the Ministry of Energy through the coordination of its International Affairs Office and, in the case of the Netherlands, the Ministry of Economic Affairs and Climate Policy, through the coordination of its Hydrogen International Team. These authorities may convene the institutions or agencies, public or private, that they deem appropriate in order to carry out the assigned coordination function and/or count on their participation in the execution of the cooperation activities that are implemented within this framework.

This Agenda for Strategic Cooperation does not create any rights or obligations under international law. The Participants further understand that the implementation of the activities foreseen in this Agenda are subject to the availability of their respective resources.

Signed in The Hague, The Netherlands on March 27th 2023, in duplicate in the English language, both versions having equal validity.

His Excellency

His Excellency

DIEGO GONZALO PARDOW LORENZO

Minister of Energy
Republic of Chile

ROB JETTEN

Minister for Climate and Energy Policy
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