

EVENT PROGRAM

H2G Solutions Lab: Fueling the Future, From Sea to Sky

Tuesday, September 9, 2025

10:00 — 16:00 CET

Port House of Antwerp-Bruges
Zaha Hadidplein 1
2030 Antwerp, Belgium

About the H2Global Solutions Lab

The H2Global Solutions Lab is unlocking the potential of clean hydrogen and low-carbon products for the world's toughest sectors—shipping, aviation, steel, cement, chemicals, and more. Each of those hard-to-abate industries faces unique decarbonization challenges. That's why we're customizing H2Global's double auction mechanism to meet their specific needs.

Therefore, the mission of the H2Global Solutions Lab is to:

- Tailor H2Global's double auction mechanism for hard-to-abate sectors such as transport (e.g. shipping, aviation) and industry (e.g. chemicals, fertilizer, cement, steel). This will allow for the identification of innovative enhancements to the mechanism.
- Build on established ties with governments and other relevant stakeholders to develop sector-specific use cases of the H2Global mechanism.
- Identify synergies with existing organizations active in this space such as demand aggregation initiatives.

Tailoring the H2Global mechanism to individual sectors can ensure (a) projects are getting to Final Investment Decision, (b) low-carbon product markets are being created, and (c) public funding requirements are reduced to an absolute minimum ('biggest bang for the buck').

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Overview of the day

10:00 — 10:30 Registration, coffee & tea

SESSION 1 **SETTING THE SCENE** **5**

10:30 — 10:40 Welcome address

10:40 — 10:45 Opening remarks and objectives for the day

10:45 — 11:20 Fireside Chat: Powering Progress — Hydrogen's Pivotal Role in Decarbonizing Hard-to-Abate Sectors

SESSION 2 **LAUNCH OF THE H2GLOBAL SOLUTIONS LAB** **6**

11:20 — 11:45 Introduction to the H2Global Solutions Lab

11:45 — 12:00 Q&A about the H2Global Solutions Lab

12:00 — 13:15 Lunch break

SESSION 3 **LAUNCH OF THE H2GLOBAL SHIPPING INITIATIVE** **8**

13:15 — 13:25 Overview and status quo

13:25 — 13:45 “Crosscurrents”: Navigating the space between optimism and pragmatism in the future of shipping decarbonization

13:45 — 14:45 Breakout discussions

SESSION 4 **LAUNCH OF THE H2GLOBAL AVIATION INITIATIVE** **12**

14:45 — 14:55 Overview and status quo

14:55 — 15:15 “Tailwinds Talk”: The evolving reality of aviation decarbonization between aspiration and application

15:15 — 15:45 Breakout discussions

SESSION 5 **CLOSING** **14**

15:45 — 15:55 Final reflections, future directions

15:55 — 16:00 Closing remarks

16:00 — 16:30 Networking coffee

SESSION 6 **PORT TOUR** **15**

16:30 — 19:00 Optional: Port tour of Antwerp's Nautical Center

Event agenda

10:00 — 10:30 **Registration, coffee & tea**

Session 1: Setting the scene

10:30 — 10:40 **Welcome address**

Jacques Vandermeiren, CEO, **Port of Antwerp-Bruges**

10:40 — 10:45 **Opening remarks and objectives for the day**

Markus Exenberger, Executive Director and Chairman,
H2Global Foundation

10:45 — 11:20 **Fireside Chat: Powering Progress —
Hydrogen's Pivotal Role in Decarbonizing
Hard-to-Abate Sectors**

To set the scene, this stocktake session will:

(1) explore the critical need and unique challenges of decarbonizing hard-to-abate sectors like shipping, aviation, and heavy industry, (2) delve into hydrogen's diverse applications as a game-changer for these sectors, and (3) discuss collaborative efforts, policy frameworks, and infrastructure development required to scale up hydrogen solutions effectively.

Martin Tengler, Head of Hydrogen Research, **BloombergNEF**

Moderator: Dr. Susana Moreira, Executive Director and Co-Chair,
H2Global Foundation

Session 2: Launch of the H2Global Solutions Lab

11:20 — 11:45

Introduction to the H2Global Solutions Lab

This session will showcase the current system failures that hinder low-carbon projects from their scale-up, exemplified for a range of hard-to-abate sectors. It will then discuss the suite of solutions required to overcome current hurdles and highlight the role of the H2Global mechanism. This, in turn, will lead to an introduction of the newly created H2Global Solutions Lab that has the mission to tailor H2Global's double auction mechanism to hard-to-abate sectors.

Timo Bollerhey, CEO, **Hintco**

H2Global Lead Strategist, **H2Global Foundation**

Dr. Maximilian Held, Head of Solutions Lab & Shipping Initiative,
H2Global Foundation

Hard-to-abate sectors account for about a third of global greenhouse gas (GHG) emissions. Decarbonizing those sectors is critical for our global efforts to reach net-zero emissions.

11:45 — 12:00

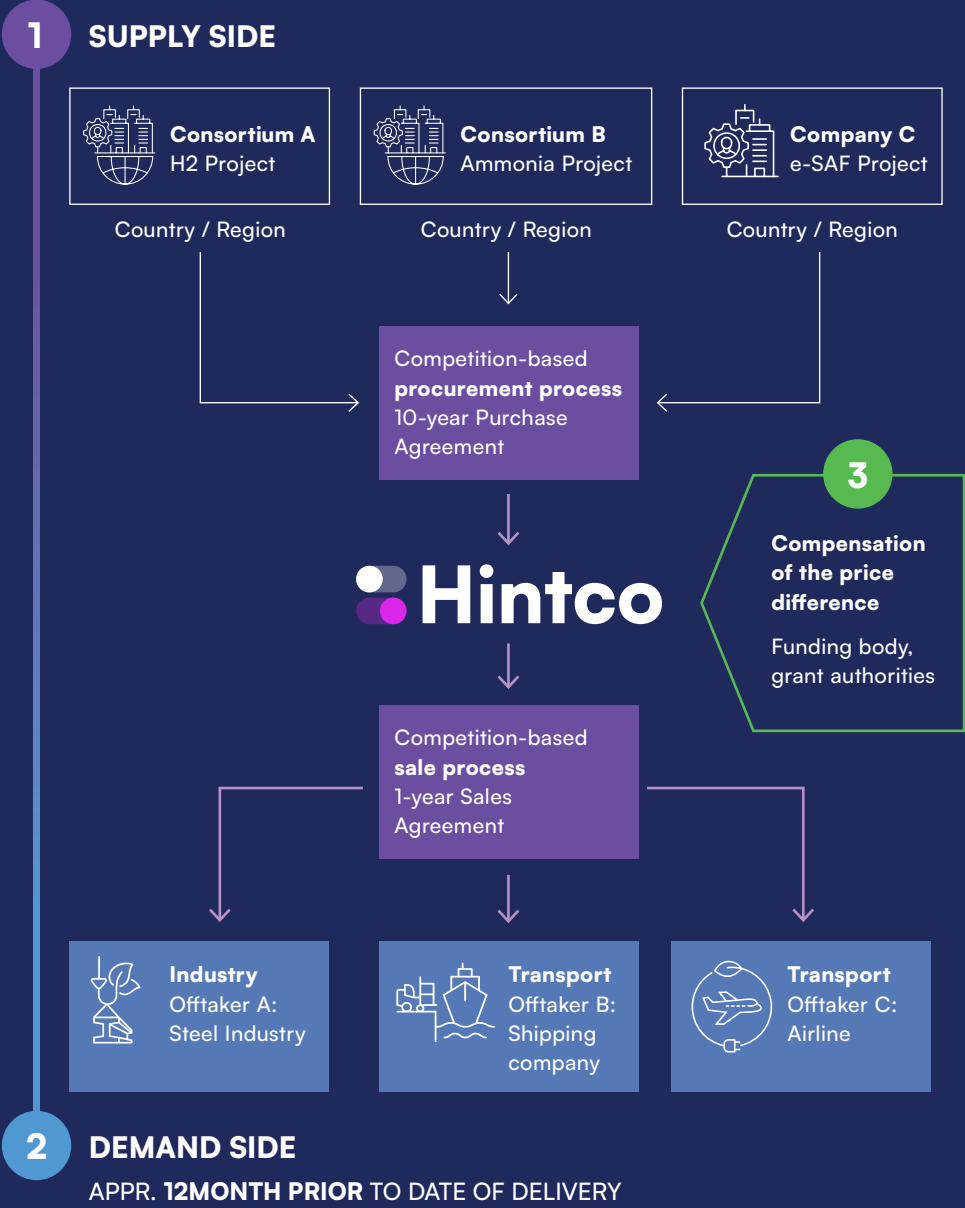
Q&A about the H2Global Solutions Lab

Opportunity for the audience to ask questions and share ideas about the H2Global Solutions Lab

12:00 — 13:15

Lunch break

H2Global's Double-Auction Mechanism



About the H2Global Shipping Initiative

Our objective is to unlock the global scale-up of clean shipping fuels, which is a critical missing link in global decarbonization. With over \$10 billion expected to flow annually through the IMO Net-Zero Fund starting in 2029, the International Maritime Organization is preparing a major financing vehicle to scale zero-emission fuels worldwide.

The H2Global Shipping Initiative has two strategic goals:

- Develop a customized version of the H2Global mechanism for a government-funded shipping pilot tender.
- Propose this mechanism as a disbursement tool for the IMO Net-Zero Fund, supporting a just and equitable transition.

By aligning with Green Corridors and demand aggregators like the Zero Emission Maritime Buyers Alliance (ZEMBA), we support scalable, market-based solutions that drive investment, foster global collaboration, and enable an equitable maritime energy transition.

Session 3: Launch of the H2Global Shipping Initiative

13:15 — 13:25

Overview and status quo

This session will dive into the shipping sector. It will discuss why maritime decarbonisation is a unique challenge and how the H2Global Shipping Initiative intends to leverage the current window of opportunity with the new Net-Zero Framework of the International Maritime Organisation (IMO), expected to be adopted in October 2025.

Dr. Maximilian Held, Head of Solutions Lab & Shipping Initiative,
H2Global Foundation

13:25 — 13:45

“Crosscurrents”: Navigating the space between optimism and pragmatism in the future of shipping decarbonization

In this session, we will hear perspectives from a fuel producer and an offtaker on (1) what makes them optimistic or pessimistic about the scale-up of clean shipping fuels, (2) what ingredients are still missing to create positive business cases for producing and using clean shipping fuels, and (3) from their experience what works and what doesn't.

Lara Naqushbandi, Co-Founder and CEO, **ET Fuels**

Noriko Hiyamizu, Director Environment & Sustainability,
MOL (Europe Africa) Ltd.

Moderator: Jan Klenke, Program Lead Research,
H2Global Foundation

Breakout discussions

Breakout groups will discuss two topics. Firstly, how the H2Global mechanism could unfold most impact when applied to the shipping sector (e.g. discussing where in the value chain the H2Global mechanism would be applied, how it could be connected to Green Corridors, etc.).

Secondly, what tangible next steps would need to be taken to launch successful shipping pilot tenders, what hurdles we might face in this roll-out, and whether the H2Global mechanism could be used as a disbursement instrument for the IMO Net-Zero Fund.

The advantages of the H2Global mechanism

The H2Global mechanism resolves three market failures simultaneously:



For producers,
it provides long-term
revenue certainty and
gets projects to FID.

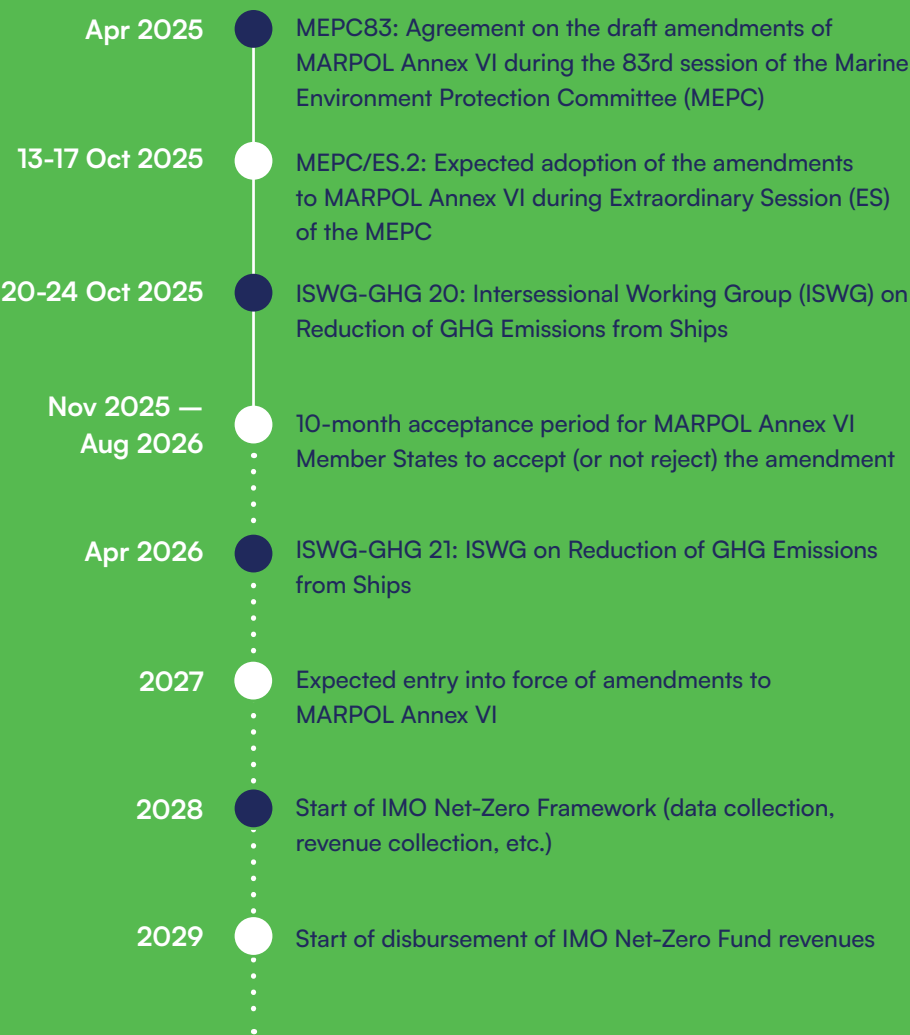


For off-takers,
it manages price risk
and aids price discovery
towards a liquid market.



Thereby, H2Global actively creates self-sustaining, liquid and dynamic markets and has been recognized as the sole active Green Market Maker in the world.

Timeline for the inter-governmental alignment on the governing principles of the IMO Net-Zero Fund



About the H2Global Aviation Initiative

The H2Global Aviation Initiative is designed to accelerate the scale-up of e-SAF (Sustainable Aviation Fuel based on clean electricity/hydrogen).

We're addressing one of the sector's key bottlenecks: the lack of long-term offtake certainty.

With the EU's crucial e-SAF mandate under ReFuelEU Aviation and its upcoming Sustainable Transport Investment Plan (STIP), Europe is laying the groundwork for transformative investment.

The H2Global Aviation Initiative is working toward a tailored version of the double auction mechanism for a government-funded e-SAF pilot tender. By supporting FIDs for e-SAF producers, we can accelerate the global market uptake of clean aviation fuels.



Session 4: Launch of the H2Global Aviation Initiative

14:45 — 14:55

Overview and status quo

This session will dive into the aviation sector. It will discuss why the market introduction of advanced sustainable aviation fuels (SAF) — foremost electricity/hydrogen-based SAF (eSAF) — is a unique challenge and how the H2Global Aviation Initiative could support the goals of the European Commission's Sustainable Transport Investment Plan.

Dr. Maximilian Held, Head of Solutions Lab & Shipping Initiative,
H2Global Foundation

14:55 — 15:15

“Tailwinds Talk”: The evolving reality of aviation decarbonization between aspiration and application

In this session, we will hear perspectives from a fuel producer and an offtaker on (1) what makes them optimistic or pessimistic about the scale-up of e-SAF, (2) what ingredients are still missing to create positive business cases for producing and using e-SAF, and (3) from their experience what works and what doesn't.

Jan Toschka, CEO, **Zaffra**

Rik Sneep, Senior Vice President of Strategy & International Growth, **Moeve**

Moderator: Pauline Raabe, Project Manager,
H2Global Foundation

15:15 — 15:45

Breakout discussions

Breakout groups will discuss two topics. Firstly, how the H2Global mechanism could unfold most impact when applied to the aviation sector and what the challenges of an e-SAF pilot tender are. Secondly, what tangible next steps would need to be taken to launch successful e-SAF pilot tenders, what hurdles we might face in this roll-out, and whether the H2Global mechanism could support the goals of the Sustainable Transport Investment Plan.

Session 5: Closing

15:45 — 15:55

Final reflections, future directions

This session will summarise the 3 key insights from the day, the 2 collectively identified big bets for scaling clean shipping and aviation fuels and the 1 call to action for all participants to support the mission of the H2Global Solutions Lab in 2025 and beyond.

Roberto Gonzalez, Principal, **European Bank for Reconstruction and Development (EBRD)**

15:55 — 16:00

Closing remarks

Tom Hautekiet, Chief Business Development & Transition Officer,
Port of Antwerp-Bruges

16:00 — 16:30

Networking coffee

Session 6: Port Tour (optional)

16:30 — 19:00

Port tour of Antwerp's Nautical Center

We will depart together by bus to Antwerp's Nautical Center, where the guided tour will begin at approximately 17:00 CET.

Throughout the tour, a guide will provide insights of the port, while guests are welcome to network and enjoy refreshments. For the tour, comfortable shoes are recommended.

Following the tour, we will return together to the Port House, which will serve as the final drop-off point at around 19:00 CET.

Please note that registration is required due to limited vessel capacity (first come first serve). The tour may be cancelled if minimum participation is not met.



Venue information



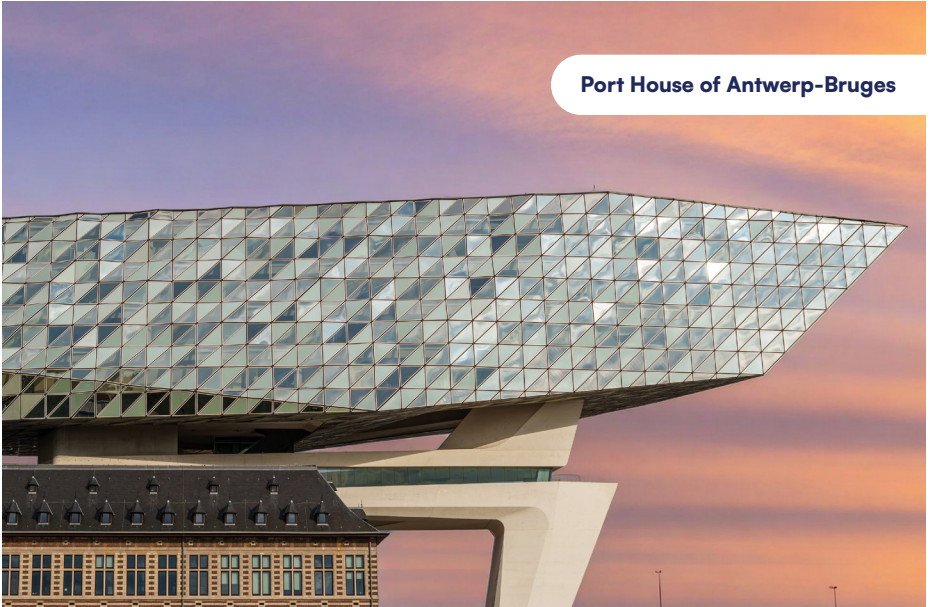
Address:

Port House of Antwerp-Bruges

Zaha Hadidplein 1

2030 Antwerp

Belgium



The venue

The Port House is located in the north of Antwerp, on the edge of the Antwerp port area. It is the headquarters of the Port Authority of Port of Antwerp-Bruges. The design by Iraqi-British architect Zaha Hadid combines the existing historic fire station with a modern superstructure.

Port tour location and address:

Antwerp's Nautical Center
Asiadok-Oostkaai 28d
2030 Antwerp
Belgium

Travel to the port tour and back to the Port House of Antwerp-Bruges is provided.

Speaker biographies



Jacques Vandermeiren
CEO
Port of Antwerp-Bruges

Jacques is the CEO of Port of Antwerp-Bruges since 2017. Before joining the Port Authority, he was active at Elia, the network operator and listed company, where he held various management positions since joining it in 2001 and became CEO in 2012. Jacques held various directorships with among others Febeg (Federation of Belgian Energy Companies) and the Federation of Belgian Enterprises. Since 2024, Jacques is also Vice President Europe for the International Association of Ports and Harbours.



Markus Exenberger
Executive Director and Chairman
H2Global Foundation

Markus is an economist and engineer and spent 20 years managing large and complex energy portfolios in Europe, Asia, Africa, and the Americas, dealing in particular with the development of large-scale energy and infrastructure projects. Among others, he worked for the German Agency for International Cooperation (GIZ) GmbH and international consulting companies. Markus initiated H2Global with Timo Bollerhey in 2020.



Martin Tengler
Head of Hydrogen Research
BloombergNEF

Martin is BloombergNEF's Head of Hydrogen Research, based in Prague. Before joining the hydrogen team in 2019, Martin worked as Japan analyst in BloombergNEF's Tokyo office looking after renewables, power markets and nuclear power. Prior to joining Bloomberg, Martin co-founded Dendra, a company that helps restore nature using drones and other cutting-edge tech. He holds an MA in Economics from Tokyo University and an MSc in Global Governance & Diplomacy from Oxford University.



Dr. Susana Moreira
Executive Director and Co-Chair
H2Global Foundation

Susana has over 15 years of experience working on energy and mining issues. During her 10+ years at the World Bank she played a leading role in developing new projects in Latin America, the Caribbean, and Sub-Saharan Africa. Prior to joining the World Bank, she worked as a consultant on energy, political rights in Africa and public relations. She holds a PhD in International Studies and a MA in Pacific International Affairs.



Timo Bollerhey
CEO, **Hintco**
Lead Strategist, **H2Global Foundation**

Timo is the creator of the H2Global mechanism and co-founder of the H2Global Foundation. Within the H2Global framework, he serves as CEO of Hintco and Lead Strategist for the H2Global Foundation. He has nearly 25 years of experience in investment and financial markets, particularly in emerging markets. Before launching H2Global, he held director roles at the German Agency for International Cooperation (GIZ) in Brazil, at the African Development Bank (AfDB), and at Allianz Global Investors.



Dr. Maximilian Held
Head of Solutions Lab & Shipping Initiative
H2Global Foundation

Max has 10 years of experience in clean fuels. Prior to joining H2Global, he was a Director at the strategy consultancy Systemiq, where he built its aviation practice, and Aviation Lead at the Energy Transitions Commission. He initiated Project SkyPower, a CEO-led initiative to scale up the first large-scale e-SAF plants. He holds a PhD from ETH Zurich, Switzerland, in CO2 reduction strategies for the European transport sector.

Speaker biographies



Lara Naqushbandi
Co-Founder and CEO
ET Fuels

Lara is CEO and co-founder of ETFuels, developing large-scale e-fuels projects in Europe and the US to decarbonise shipping and aviation. She has 20 years' experience in multi-billion-dollar infrastructure at Rio Tinto, Goldman Sachs, Google, and leading investment firms. A former CFO and Head of Sustainability at Google UK, she is a Non-Executive Director at Molten Ventures and holds a BA and MBA from Harvard.



Noriko Hi Yamizu
Director Environment & Sustainability
MOL (Europe Africa) Ltd.

Noriko joined Mitsui O.S.K. Lines in 2007. She worked on chartering of VLGC until 2022, when she moved into environmental and sustainability roles. Since May 2023, she has held her current role in London, assisting MOL's decarbonization efforts by following EU/UK regulation and driving sustainability projects across the MOL Group companies in London.



Jan Klenke
Program Lead Research
H2Global Foundation

Jan is a Program Lead at the H2Global Foundation and responsible for coordinating the research work in the H2Global Knowledge Hub including the regular working groups that the Foundation entertains with its donors and knowledge partners. Prior to his current position, he worked as an expert for industry transformation at the German Association of Energy Intensive Industries (VIK) and as a researcher on international climate change negotiations at the German Institute for Global and Area Studies (GIGA).



Jan Toschka
CEO
Zaffra

Prior to being appointed as CEO of Zaffra BV in March 2024, Jan held various leadership roles at Shell where he started his professional career after successfully completing his MBA studies. He led multiple teams in the Upstream, M&A, Trading, Marine and Retail business before he was appointed as the President of Shell Aviation in 2021.



Rik Snee
Senior Vice President of Strategy & International Growth
Moeve

Rik is Senior Vice President of Strategy & International Growth at Moeve. He is shaping future energy value chains through its bold 'Positive Motion' strategy. Drawing on 18 years of global leadership at Shell, he combines corporate transformation with purpose-driven impact and will not shy away from challenging the status quo.



Pauline Raabe
Project Manager
H2Global Foundation

Pauline joined H2Global as a Project Manager and coordinates the Foundation's Outreach activities across Europe, the Middle East and Africa. She also spearheads the H2Global Aviation Initiative at the EU level. Prior to her current position, she worked with the UN, the Friedrich-Ebert-Foundation and the German Chamber of Commerce (AHK) in Saudi Arabia. Mrs Raabe holds a bachelor's degree in political science and Islamic science as well as a master's degree from SOAS, University of London.

Speaker biographies



Roberto Gonzalez

Principal

European Bank for Reconstruction and Development, EBRD

An engineer by training, Roberto has spent 15 years working on the technical and financial aspects of large-scale energy projects, from early-stage development to operational launch. At EBRD, he uses this experience to support the energy transition by making low carbon fuel investments bankable, combining policy insight with innovative financial tools to unlock private capital across emerging markets.



Tom Hautekiet

Chief Business Development and Transition Officer

Port of Antwerp-Bruges

Tom is Chief Business Development & Transition Officer at the Port of Antwerp-Bruges. He represents the port as Chairman of the Board of the Belgian Hydrogen Council, and is also a Board Member of Hydrogen Europe. Prior to his current position, he held roles as the CEO of the Port of Zeebrugge and as Senior Vice President in the Building Products division of Bekaert, overseeing 700 employees worldwide.

