



Draft Minutes: 6th GH2 Board meeting

6th GH2 Board meeting
Tuesday 23 May 2023

1. Welcome

Jonas Moberg agreed to chair the meeting.

2. New board members

GH2 was delighted to welcome the following new board members:

- **Ms. Sharan Burrow**, Former General Secretary, International Trade Union Confederation, Australia
- **Dr. Stefan Kaufmann**, Hydrogen Executive Advisor to the Board of thyssenkrupp, Germany (replacing Martina Merz who is stepping down as CEO of thyssenkrupp)
- **Hon. Kandeh Yumkella**, Former Secretary-General UN Sustainable Energy for All & former Director General United Nations Industrial Development Organization, Sierra Leone

3. Management committee report

- 2022 audited accounts: approval to be agreed by circular
- 2023 revised 2023 budget: approval to be agreed by circular
- 2023 workplan: revised version to be circulated
- CEO contract: approval to be agreed by circular

4. CEO update and strategy discussion

Jonas Moberg provided a brief report, building on his update in Board Circular 22 on what GH2 has achieved since it launched in September 2021 and what lies ahead. Programmes were scored on a scale of 1-5: Green Hydrogen Standard (4/5); catalyzing finance (4/5); contracting (4/5); Government technical assistance (3/5); Corporate engagement (3/5); civil society engagement (3/5).

Nienke Homan noted that the work on financing provided an opportunity to set expectations on issues like community engagement and local benefits. Nienke cited a green hydrogen project in Morocco which includes a share of revenue and profits going to local communities. Sharan

Burrow agreed that this work was important, noting the work on blended finance at the London School of Economics' Grantham Institute which seeks to price in community engagement and just transition building on lessons learned from the Just Energy Transition Partnerships (JETPs).

Todd Clewett noted the importance of having a good sense of the revenues and profits of green hydrogen through the project life cycle. Revenues will not be the same as oil, gas and mining and there is a need to manage expectations. Royalties might not make sense for marginal project economics and we need to understand the wider economic impact of projects. Jonas Moberg said we need to do more explaining that industrial society will in many cases move, often moving production to where it makes sense for renewables.

Sharan Burrow noted that creating jobs was essential.. and that there are a growing number of examples such as SSAB in Sweden using green hydrogen creating more jobs than were lost in older industries. The economic growth good news story needs to be told on a broader and more integrated basis rather than just on a single industry perspective. Stefan Kaufmann noted the importance of engaging with wider society beyond the politicians in, for example, Mauritania.

Jonas concluded this item by thanking the board and noting the GH2 secretariat looks forward to receiving more direction and guidance from the board on these topics.

5. Green Hydrogen Standard

Sam Bartlett gave an update on the development and use of the Green Hydrogen Standard and outlined GH2's recommendation that the GH2 Board agrees to launch a revised Green Hydrogen Standard at COP28.

The Green Hydrogen Standard 2.0 could include the following elements in order to address lessons learned from testing and to ensure the Green Hydrogen Standard continues to set a high standard:

- Protocols addressing **transportation, storage & distribution** of green hydrogen and green hydrogen derivatives
- Refinements to the Protocol on **Green Ammonia**
- Protocols on **Synthetic Methane (eNG), Green Methanol** (and possibly SAF).
- Refinements to the requirements on **water** resource management
- New requirements addressing **fugitive** hydrogen emissions.
- Improved guidance on data standards to address renewable electricity certification (including **additionality, time** matching and **bidding** zones)

The Green Hydrogen Standard Committee was made up of approximately 30 representatives from government, industry and civil society and has formed 6 working groups which are looking at these issues. The GH2 secretariat proposes that the GHS Committee make a recommendation to the GH2 Board in Q3 2023 on the new Standard.

Sam Bartlett elaborated on the issue of synthetic methane which would combine green hydrogen with CO2 from different sources and can be used with existing natural gas infrastructure. It comes with risks but with appropriate safeguards it could become an interesting way of moving green hydrogen around the world. Jonas Moberg noted that Marco Alvera's company TES is promoting this pathway and is keen to discuss the issue, as well as the thinktank Agora Energiewende which is part of the working group on this topic.

Sam Bartlett noted that the Green Hydrogen Standard Committee has an advisory role and would put recommendations to the board, and it would be for the board to decide which recommendations to adopt. Over time we hope the Green Hydrogen Standard Committee will develop its own procedures and take greater responsibility for the development of the Standard. Stefan Kaufmann said developing the Standard further was reasonable and noted some issues such as on synthetic methane are of strategic importance and any drafts should be discussed with other board members.

Jonas made clear that all material issues would be put to the Board and that the work of the Committee would also be communicated. He also suggested that a board committee could be put in place to triage these issues. Sharan Burrow agreed the committee structure made sense and also emphasised that water management is a crucial issue. .

6. AOB

Professor Yu Gan provided an update on preparations for the next Green Hydrogen Global Assembly to take place in Beijing. He suggested we aim for 400 high level participants and proposed the Diaoyutai State Guesthouse as the venue.

Jonas thanked board members and closed the informal board meeting.

Participation

Board members:

- Ms. Sharan Burrow, Former General Secretary, International Trade Union Confederation, Australia
- Ms. Maria Paz de la Cruz, Chile (joined partially)
- Mr. Yu Gan, Co-Chairman, Board of Trustees, Daxing International Hydrogen Energy Demonstration Zone, China
- Ms. Nienke Homan, Sustainable Hydrogen Club, the Netherlands
- Dr. Stefan Kaufmann, Hydrogen Executive Advisor to the Board of thyssenkrupp, Germany
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Apologies:

- Hon. Malcolm Turnbull, Inaugural chair of GH2, Australia
- Mr Marco Alvera, CEO, Tree Energy Solutions (TES)
- Mr. Yun Choi, CEO of Korea Zinc Company, Ltd., South Korea

- Dr Andrew Forrest AO, Chairman of Fortescue Metals Group & the Munderoo Foundation, Australia
- Mr. James Josling, CWP, Switzerland
- Dr. Frannie Léautier, CEO of Southbridge Investments, Rwanda
- Dr Tae Won Lim, Executive VP & Head of the Hydrogen and Fuel Cell Business Centre of Hyundai Motor Group, South Korea
- Mr Kristian Røkke, CEO of Aker Horizons, Norway
- Lord Adair Turner, Former Chair of the UK Financial Services Authority and Chair of the Energy Transitions Commission, United Kingdom
- Hon. Kandeh Yumkella, Fmr SG UN Sustainable Energy for All & DG United Nations Industrial Development Organization, Sierra Leone
- Mr Lei Zhang, Founder and CEO, Envision, China

Deputising:

- Todd Clewett, Director, External Affairs, Fortescue Future Industries (for Dr Forrest)
- Daniel Kim, CEO, Ark Energy (for Mr. Yun Choi)

GH2 staff and advisors:

- Mr Jonas Moberg, CEO
- Mr Nishaanth Balashanmugam, India Representative
- Dr Sam Bartlett, Director of the GH2 Standard and the CEO Roundtable
- Ms Bénédicte De Caro, Senior Finance and Operations Manager
- Ms Joyce Kabui, Africa Manager
- Ms Inês Schjøberg Marques, Director for the Green Hydrogen Development Plan
- Ms Simran Sinha, Analyst
- Mr Joe Williams, Director of Strategy and Communications