

Clean Hydrogen Mission



Launched June 2021

- **The Challenge:** Clean hydrogen has the potential to decarbonise hard to abate sectors, such as industry and heat, which are responsible for two thirds of global emissions and help unlock the full potential of renewable energy. However, today it is up to three times more expensive than hydrogen produced directly from fossil fuels.
- **The Goal:** To increase the cost-competitiveness of clean hydrogen by reducing end-to-end costs to USD 2 per kilogram by 2030.
- **The Mission:** We will catalyse cost reductions by increasing research and development in hydrogen technologies and industrial processes and delivering at least 100 hydrogen valleys covering production, storage and end-use worldwide by 2030, to unleash a global clean hydrogen economy.

CLEAN HYDROGEN
MISSION

**More than 17
Member countries**

**Leads:
UK, EC, Australia,
Chile, Saudi
Arabia, US**

MI Clean Hydrogen Mission Background

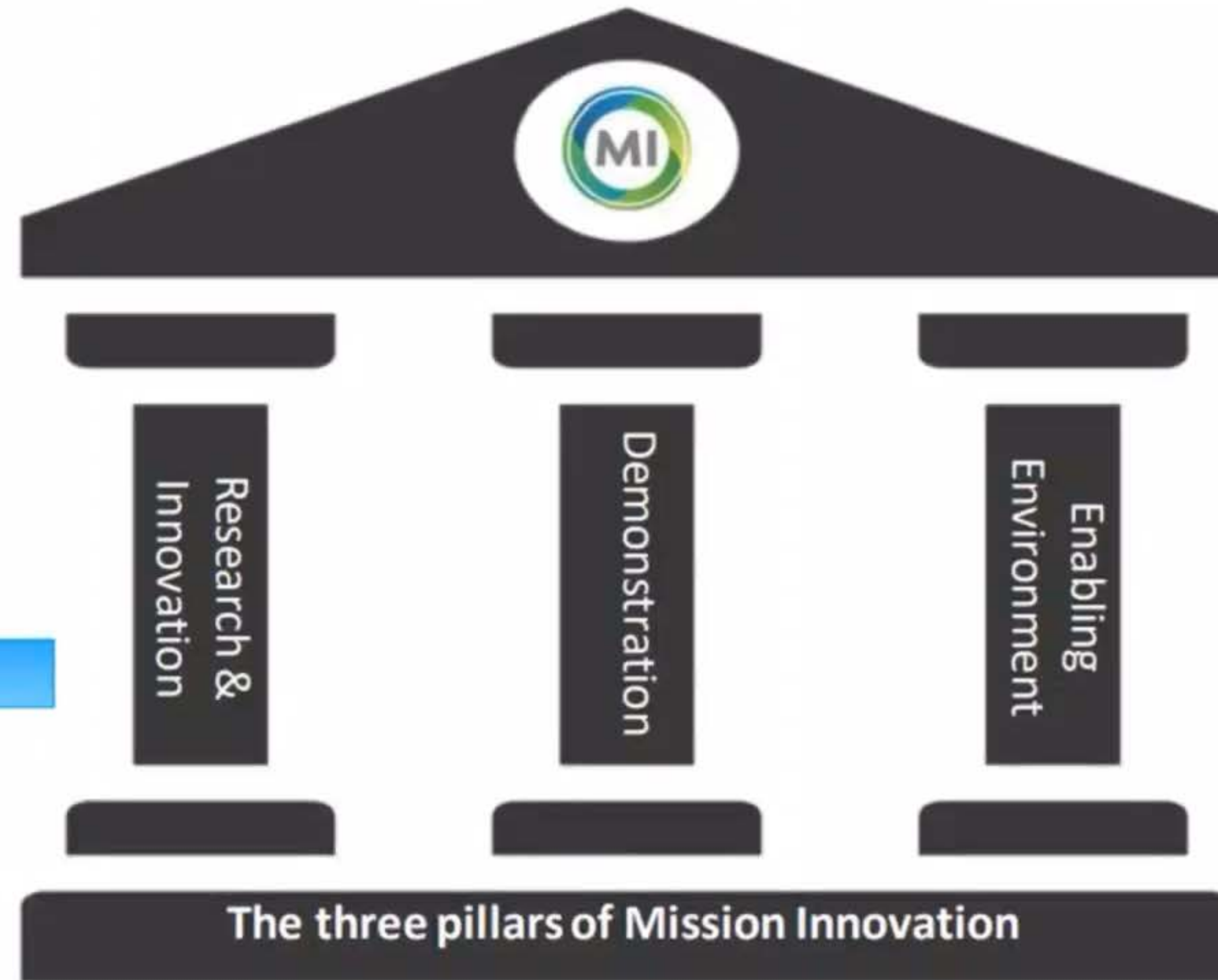
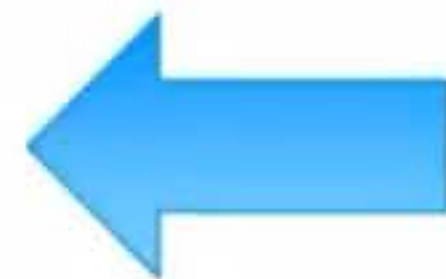


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- 3 Working Groups:**
- Production
 - Distribution & Storage
 - End Use

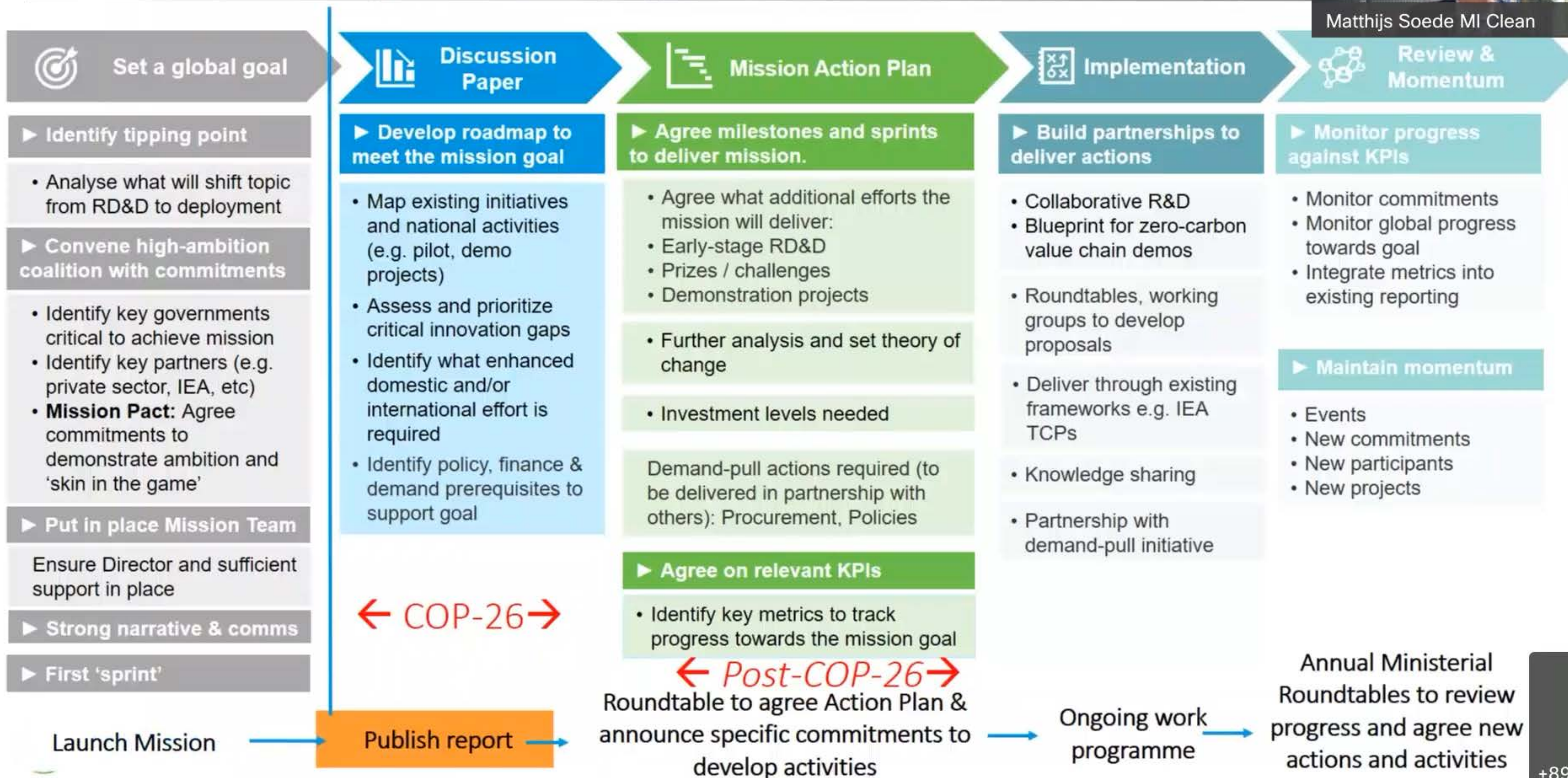


Discussion Paper Clean Hydrogen Mission – present status

A Replicable, Five-step Approach that Can Be Tailored to Each Mission



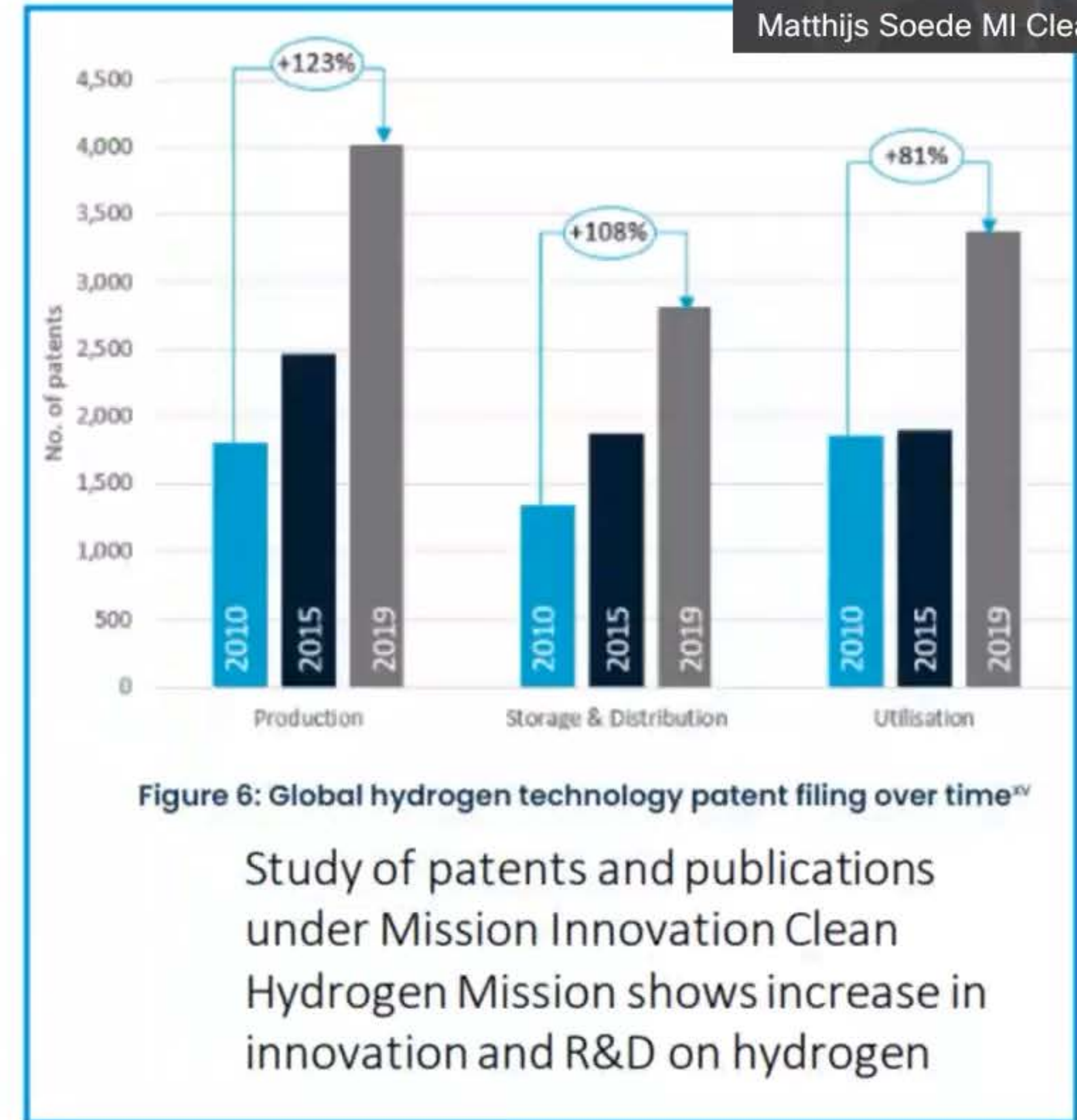
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Examples of Recent Accomplishments



- Released Discussion Paper at COP 26
- CSIRO released Report
- Carbon Trust published report on innovation
- Stakeholder engagement on partnerships
- End Use Working Group workshop on mining/off-road vehicles





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The Goal: To increase the cost-competitiveness of clean hydrogen by reducing end-to-end costs to USD 2 per kilogram by 2030.

The Mission: To increase the cost-competitiveness of clean hydrogen by reducing end-to-end costs to USD 2 per kilogram by 2030, to unlock industrial production of clean hydrogen.

NEWS

- [November 9, 2021] **Just Released:** The Clean Hydrogen Mission presents a [Discussion Paper](#) for public consultation (open till 9 December 2021) along with three annexes (1, 2 and 3). Comments by MI members, the broader stakeholder community, and wider outcomes of COP26 will feed into the final version of the paper and the following *Clean Hydrogen Mission Action Plan*.

Please send your comments to MI-CLEAN-HYDROGEN-MISSION@ec.europa.eu before 9 December 2021