



Hydrogen TCP

Newsletter

December 2021



Hydrogen TCP updates *(since September 2021)*

We take this opportunity to wish you **Joyful Holidays** and a **Happy New Year!**

Don't forget to **follow us** on Twitter ([@IEA_Hydrogen](#)) and LinkedIn ([IEA Hydrogen TCP](#)) to be up to date with all our activities.

Task Updates



Task 41 - Data and Modelling

Task 41 has submitted the review article "A taxonomy of models for investigating hydrogen energy systems" to the "Renewable and Sustainable Energy Reviews" journal. It will be available on our website once it gets published. The Task expects to continue its work on hydrogen data and modelling during 2022.

[Learn more](#)

Task 40 - Energy Storage and Conversion based on hydrogen

Task 40 is working on 7 review papers summarizing the results of the last 3 years. The reviews will be published in a special issue of Progress in Energy, IOP Publishing



[Learn more](#)



Task 37 - Hydrogen Safety

Experts keep working on hydrogen safety, which cuts across all phases of the hydrogen supply chain including production, transportation, storage, and end-use. Task 37 is reaching its final steps and expects to have a successor Task on "Safety and RCS of Large Scale Hydrogen Energy Applications" next year.

[Learn more](#)

Tasks in definition

The Work Plan for a new Task on **Underground Hydrogen Storage** was presented and approved at the 88th Hydrogen TCP ExCo Meeting. The Task will officially kick off in early 2022!

Tasks in definition Renewable Hydrogen, Hydrogen in the Mining, Mineral Processing, and Resource Sectors, Hydrogen Export value Chains, Offshore Hydrogen Production and Hydrogen from Nuclear Energy are currently in the Project Definition Phase and they are still open for new Expressions of Interests from experts.

[Learn more](#)

Member Updates



New Member!

We welcome our new Sponsor member, **NTPC Limited; India's Largest Power Utility**

[Learn more](#)

- **Belgium** publishes its "green hydrogen for a clean industry" strategy on the occasion of the COP26. [Learn more.](#) (Flemish)
- **Canada's** Hydra Energy First Company to Deliver a Hydrogen-Converted, Heavy-Duty Vehicle to a Paying Fleet Customer. [Learn more.](#)
- **European Commission** proposes new EU framework to decarbonise gas markets, promote hydrogen and reduce methane emissions" on 15 December. [Learn more.](#)
- **France:** French President E. Macron increases the French Hydrogen Plan by €1.9B, reaching now a total of €9.1B by 2030. [Learn more.](#) (French)
- **Germany:** One of the largest green hydrogen projects in the world: ThyssenKrupp signs contract to install over 2GW electrolysis plant for Air Products in NEOM. [Learn more.](#)
- **Hydrogen Council** published the press release linked to its Net-zero and Policy studies in coordination with COP26. [Learn more.](#)
- **Israel** Ministry of Energy announces support in the sum of 3.3 M Shekel, of a green hydrogen production facility of 200 kg/day to be built toward the end of 2022 and operated in 2023. [Learn more.](#) (Hebrew)
- **New Zealand:** Hyundai New Zealand unveils the Xcient Fuel Cell heavy-duty truck with 5 vehicles on NZ roads in 2022. [Learn more.](#)
- **Norway:** More than 1 billion NOK awarded to three large industrial projects where hydrogen is the climate solution by the companies Yara, Tizir, and Horison Energi. Two of them, also nominated as Norwegian contributions to IPCEI Hydrogen. [Learn more.](#)
- **NOW GmbH:** The incoming German coalition government doubles 2030

electrolyser deployment target from 5 to 10 gigawatt. [Learn more.](#)

- **Spain** aspires to become green hydrogen benchmark. [Learn more.](#)
- **The Netherlands:** New coalition agreement with an extra €35 billion fund for the next 10 years to help build energy infrastructure for electricity, heat, H2 and CO2, to implement the green industrial policy and to make mobility and the built environment more sustainable. [Learn more.](#)

Publications

- **Task 39 Final Report** available on our website
- **Document repository** updated with relevant **IEA Network documents**
- Check our **Blog** with summaries of our latest events

You can access all publications [here](#).

Events

The Hydrogen TCP is a partner at the EHEC 2022!

We will keep you updated with more information about the **European Hydrogen Energy Conference** that will take place in **Madrid, 18-20 May 2022**.



[Learn more](#)

Stay tuned for all the news about our **partner events** in **2022...** check out our [calendar!](#)

You can also learn about the events organized by the Hydrogen TCP and/or in which it has participated throughout the year 2021 [here](#).

- We have organized **Task 39** on Hydrogen in the Maritime **Final Workshop**
- We have participated in the **Hydrogen Technology Expo Europe** and the **Hydrogen Economy Europe** event
- We have partnered with the **World Hydrogen Congress** and **Hydrogen North America**

Hydrogen TCP Executive Committee Meetings:

- The **88th ExCo Meeting** took place online on December 13-15.

Learn about the past and planned ExCo Meetings [here](#).

[Visit the Hydrogen TCP website](#)

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