



### Hydrogen TCP updates *(since July 2020)*

The Hydrogen TCP says goodbye to former Technical Secretariat Mary-Rose de Valladares of M.R.S. Enterprises, LLC and welcomes the new team from [ARIEMA](#) coordinated by Marina Holgado.

The modernization process the Hydrogen TCP is going through includes a new logo and image, a new [website](#), and a communication strategy focused on social media.

The new website offers a series of tools for project management, centralization of information, and dissemination activities such as our new [Blog](#). The Blog posts are open for discussion and public participation through comments.

The Academy section of the website is meant to have rigorous and accessible information about hydrogen and the hydrogen sector.

## Task Updates

### Task 38 - PtH and HtX

After five years of research on Power-to-Hydrogen and Hydrogen-to-X, Task 38 is coming to an end. Its Final Report has been published and a Roadmap will be released soon. The results of this Task will be publicly presented in a workshop in June.



[Learn more](#)



### Task 41 - Data and Modelling

Experts in Task 41 keep working on Data & Modelling. One of the main milestones of the last months is the joint workshop with ETSAP held in December 2020.

The presentation "*Hydrogen modelling in TIMES a summary of the inputs, outputs, and best practice RES*" is available under "Other relevant documents".

[Learn more](#)

### Task 40 - Energy Storage and Conversion based on hydrogen

The Task 40 experts keep working on fundamental research for developing new materials and catalysts for Energy Storage and Conversion Based on Hydrogen. Access the paper *Materials for hydrogen-based energy storage - past, recent progress and future outlook* under "Other relevant documents".



[Learn more](#)

### Task 39 - Hydrogen in Marine Applications



Task 39 is reaching its final steps and will ask for an extension to hold at least two more expert meetings.

[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.

They are also covering infrastructures such as stationary and mobile fueling stations, fuel cell vehicles, hybrid-electric and all-electric aircraft, Sabatier Reactor in the International Space Station (ISS), spacecraft launching, and maritime propulsion.

Blending hydrogen with natural gas for domestic heating is yet another application where safety assessment is of the utmost importance.



[Learn more](#)

## Tasks in definition

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

[Learn more](#)

## Member Updates

- **Denmark:** Denmark decides to construct the world's first wind-energy hub as an artificial island in the North Sea. [Learn more](#)
- **France:** The French government launched its 7 B€ National hydrogen Plan in September 2020. [Learn more](#)
- **Germany:** Germany launches three flagship research projects to fulfil green hydrogen ambitions. [Learn more](#)
- **Hydrogen Council:** New Hydrogen Council report shows rapid acceleration of hydrogen deployment with >\$300bn in project pipeline. [Learn more](#)
- **Italy:** International consortium coordinated by Italy's Energy Agency ENEA to develop innovative solid oxide electrolyser using concentrated solar power for a zero-emission industry. [Learn more](#)
- **The Netherlands:** the Dutch Hydrogen Technology Guide has been published. Different Dutch organizations that are working on hydrogen present here their activities. [Learn more](#)
- **New Zealand:** New Zealand's Low Emission Vehicles Contestable Fund to support purchase of 5 heavy-duty fuel cell trucks by Hyundai. [Learn more](#)
- **Portugal:** Auctions on Hydrogen are coming in April to address the demand side. [Learn more](#) *(in Portuguese)*
- **Spain:** Spain approved its national hydrogen roadmap in October 2020. [Learn more](#)
- **United Kingdom:** The UK Government has released a Ten Point Plan for a Green Industrial Revolution with a target to generate 5 GW of low carbon hydrogen production capacity by 2030, and to develop the first town heated entirely by hydrogen by the end of the decade. [Learn more](#)

## Publications

- **Task 38 Final Report** was published in December 2020
- The **Hydrogen Safety Journal** is open for submissions
- The **2020 Annual Report** is out now

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

## Events

Hydrogen TCP Executive Committee Meetings:

- The **85th ExCo meeting** will take place online on April 19th, 20th, and 21st, 2021. It will focus on ongoing collaborations with IEA Secretariat, updates from the Tasks in Definition and Hydrogen TCP Strategy.
- The **84th ExCo meeting** was held online on December 9th, 10th, and 11th, 2020. The focus was set on Tasks' updates and Finances & Budget issues.
- The **83rd ExCo meeting** was the first one held by the new Technical Secretariat. Due to the COVID-19 pandemic, it was conducted online on October 5th, 6th, and 7th, 2020. The focus was set on Members' updates, TCP Modernisation process and collaborations.

Other events:

- The Hydrogen TCP is a media partner of the **Hydrogen and P2X 2021 Conference** that will take place on **16 & 17 June 2021** in **Copenhagen**. The Hydrogen TCP will provide a presentation on Task 39 results for the "*bonus package*" of the Conference. [Learn more](#)
- The Hydrogen TCP has participated in more than 10 different events and workshops in the past months. You can check past and planned events organized by the Hydrogen TCP and/or in which it participates [here](#).

Visit the Hydrogen TCP website

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