



# NPHyCo Final Project Conference

Canet Serin, Project Coordinator, Framatome

11.02.2025 Fondation Universitaire, Brussels





# WELCOME



**Final Project Conference**

11 February 2025 - Fondation Universitaire, Brussels

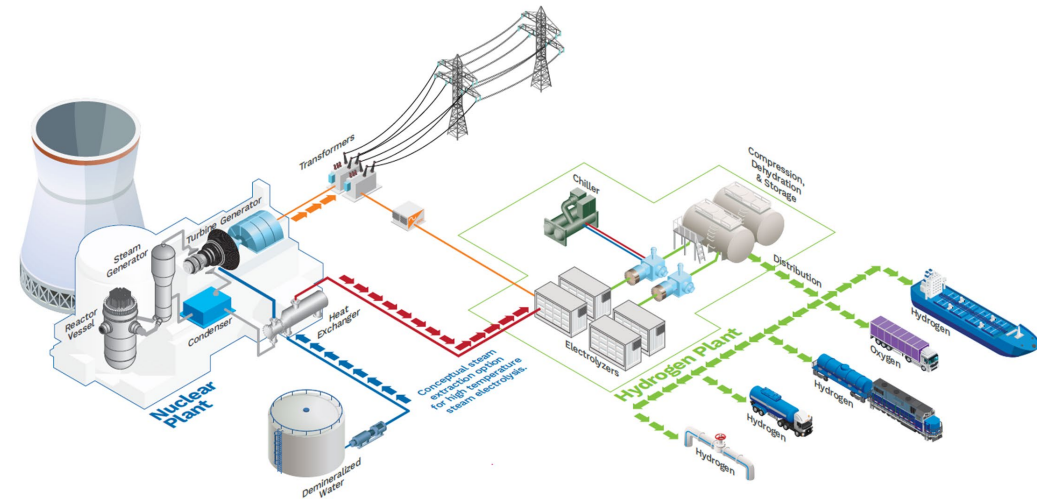
We're glad you're here

# Agenda

10:30 – 10:45	<b>Welcome Words</b>	<ul style="list-style-type: none"> <li>• Canet Serin - Project Manager, Covalion/Framatome GmbH, Project Coordinator</li> </ul>
10:45 - 11:00	<b>Overview of the NPHyCo project</b>	<ul style="list-style-type: none"> <li>• Canet Serin - Project Manager, Covalion/Framatome GmbH, Project Coordinator</li> </ul>
11:00 - 11:45	<b>Technical Requirements</b>	<ul style="list-style-type: none"> <li>• Martin Kykal - Project Engineer, ESG</li> <li>• Stéphanie Crevon - CEA</li> <li>• Martin Glueckler - Project Manager, Covalion/Framatome GmbH</li> <li>• Aymen Grira - Innovation &amp; Incubation Manager, Westinghouse</li> </ul>
11:45 – 12:00	<b>Coffee Break</b>	
12:00 – 12:30	<b>Licensing &amp; Safety Aspects</b>	<ul style="list-style-type: none"> <li>• Jan Meulenbrugge (NRG)</li> </ul>
12:30 - 13:30	<b>Lunch Break</b>	
13:30 – 14:45	<b>The Business Case</b>	<ul style="list-style-type: none"> <li>• Cecilia Herrero Moriana - Technology Partnerships and Funding Manager, Tecnatom/Westinghouse</li> <li>• Fabio Nouchy - Product Manager Small Modular Reactors, Tractebel</li> </ul>
14:45 – 15:00	<b>Coffee Break</b>	
15:00 – 15:30	<b>Public Acceptance</b>	<ul style="list-style-type: none"> <li>• Jessica Johnson - Communications &amp; Advocacy Director, nucleareurope</li> </ul>
15:30 – 16:00	<b>Overview of other relevant EU Projects</b>	<ul style="list-style-type: none"> <li>• Claire Vaglio-Goudard, TANDEM Project Coordinator, CEA</li> </ul>
16:00 – 16:15	<b>Closing Remarks</b>	<ul style="list-style-type: none"> <li>• Rosalinde Van der Vlies, Director Clean Planet Directorate, DG Research and Innovation, European Commission</li> </ul>

# About NPHyCo

- EU research project dedicated to the production of hydrogen from nuclear power
- Funded by the EU's Euratom Research & Training programme (2021-2025) dedicated to nuclear research and innovation
- Kicked-off in the Autumn of 2022 and will run for two and a half years





# The Challenge

- Full decarbonisation of the EU's economy by 2050
- Could hydrogen be part of the solution? Potentially yes BUT
  - to date most of the hydrogen produced in Europe comes from fossil fuels
- How can Europe:
  - Ramp up production of low-carbon hydrogen?
  - Produce to meet demand?
  - Ensure it is affordable?



# Project goals

- NPHyCo focused on the potential for developing large scale, low-carbon, hydrogen production facilities linked to nuclear power plants.
- It started by assessing the feasibility of producing hydrogen near an existing nuclear power plant as well as the added value of such project.
- It also analysed the potential offtaker (e.g. steel, iron, fertilizer and petrochemical industry) and also the transportation routes.
- It also looked at potential locations where a pilot project could be implemented.

# Project Partners



Nuclear. For life.





# Work Packages

## **WP1: Conceptualisation**

This Work Package will focus on conceptualisation of the project.

## **WP3: Economic Roadmap**

This Work Package aims to develop a business plan for hydrogen produced from nuclear power.

## **WP5: Implementation Roadmap**

This Work Package will put forward proposals for pilot plant locations and their layout.

## **WP2: Technical Roadmap**

This Work Package will focus on the technical conditions related to the coupling of a hydrogen production facility to an existing NPP.

## **WP4: Licensing Roadmap**

This Work Package will focus on licensing requirements.

## **WP6: Communication, dissemination & public awareness**

This Work Package focuses on communication around the project.





Thank you!

[www.nphyco.org](http://www.nphyco.org)





## Funded by the European Union

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