

P2X Workshop

E-fuels from wind and PV: by when, in what quantities and under what conditions?

Wednesday, 6 November 2024

10:30-12 CET, Online

Objectives: The Impact Assessment accompanying the European Commission's February Communication "Europe's 2040 climate target and path to climate neutrality by 2050" points to a need to greatly increase capacity for P2X technologies: quadrupling across all kinds to 2030 and a further doubling to trebling in the decade that follows.

Our workshop examines the feasibility of P2X deployment scenarios and the R&D challenges that wind, PV, grids and hydrogen will need to address to make these ambitious plans a reality.

Format: The workshop will be a mix of panel discussions and presentations from speakers representing both research and industry – who will share their perspectives on the feasibility and conditions of P2X, as well as its benefits, opportunities, and challenges.

Expected Outcomes: Better understanding of:

- The feasibility and future of P2X in the context of a push today towards greater direct use of electricity
- How suppliers of equipment for P2X are reacting to the climate targets and 2040 scenarios
- How hydrogen will be used or P2X, particularly in e-fuels
- The biggest technical challenges facing designers of the future EU electricity system

This workshop is the first in a series of two; the second workshop will focus on P2X deployment in energy islands and will take place in early 2025.

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AGENDA

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- 10.30 **Welcome**
Anna Spoden, EUREC, moderator
- 10.35 **Introduction from the European Commission**
Speaker to be announced, invited to cover:
- The 2040 climate target, with a specific focus on dispatchability and P2X, the proposed [Electrification Action Plan](#), and key points of the [EU's hydrogen strategy](#).
- 10.45 **Panel discussion: Focus on “power”**
Christian Breyer, LUT University, [ETIP PV](#)
Fabrizio Bizzarri, Enel Green Power, [ETIPWind](#), [ETIP PV](#)
Key messages from ETIP-SNET's paper, “[Ramp-up and role of hydrogen-based power generation](#)” (Alexander Wiedermann and Antonio Illiceto, ETIP SNET)
- 11:10 **Presentations: Focus on “hydrogen” (Moderated by Marija Dabrisiute, WindEurope)**
Technologies to produce hydrogen derivatives
Paulo Partidario, TWG Hydrogen, DGEG Portugal
Commercial Perspectives and technical challenges for P-to-hydrogen - Lessons learned from the HEAVENN project
Geerte de Jong, New Energy Coalition
- 11:35 **Panel discussion: Focus on P2X adoption, from production to implementation**
P2X design, challenges of integration, and commercial perspectives
Thomas Plennevaux, Axens, [ETIP Bioenergy](#)
Green methanol production
Julius von der Ohe, CI Green Chemicals
E- fuels
Rogaciano Rebelo, Madoqua
- 11:55 **Questions/Wrap up**

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