



EU Research Days including Programme Review
27– 28 October 2022
Hybrid Event: Brussels EXPO and online

THURSDAY, 27 OCTOBER

09:30 **Registration & Welcome coffee**

10:00 **Welcome**
Bart Biebuyck, Executive Director, Clean Hydrogen Partnership

10:05 **Clean Hydrogen Partnership - Programme Status**
Mirela Atanasiu, Head of Unit Operations & Communication, Clean Hydrogen Partnership

10:30 **Projects Portfolio Analysis**
Hydrogen Production
Nikolaos Lympieropoulos, Project Officer Clean Hydrogen Partnership
Hydrogen Distribution and Storage
Dionisis Tsimis, Project Officer Clean Hydrogen Partnership

11:00 – 11:30 **Coffee break**

11 :30 **Projects Portfolio Analysis**
End-Uses - Transport
Lionel Boillot, Project Officer Clean Hydrogen Partnership
Clean Heat and Power
Antonio Aguilo Rullan, Project Officer, Clean Hydrogen Partnership
Cross-cutting Issues (Standards, Safety and Education)
Alberto Garcia Hombrados, Project Officer, Clean Hydrogen Partnership

12:30 – 13:45 **Lunch break**

13:45

Parallel Sessions

European Hydrogen Valleys

Moderated by *Antonio Aguilo Rullan, Project Officer, Clean Hydrogen Partnership*

[Green Hysland](#) – *Deployment of a H2 Ecosystem on the Island of Mallorca*
Carlos Navas, Enagás

[Heavenn](#) - *Update on HEAVENN: Achievements and challenges in Northern Netherlands' H2 Valley*
Geerte de Jong, Programme Manager HEAVENN

Hyland - Hydrogen Regions in Germany
Alexander Gehling, NOW GmbH

[PDA2](#) + [H2V2](#) - *Promoting Hydrogen Deployment in Regions and Valleys*
Pedro Guedes de Campos, Clean Hydrogen Partnership

Scientific Panel Discussion

Nigel Holmes, Scottish Hydrogen and Fuel Cell Association

Manufacturing (for Supply Chains)

Moderated by *Pietro Caloprisco, Project Officer, Clean Hydrogen Partnership*

[LOWCOST-IC](#) – *Low Cost Interconnects with highly improved Contact Strength for SOC Applications*
Ragnar Kiebach, Technical University of Denmark

[MAMA-MEA](#) - *Additive manufacturing for fuel cells*
Silvain Buche, Johnson Matthey Hydrogen Technologies

[StaSHH](#) – *The StasHH standard for heavy-duty fuel cells*
Federico Zenith, SINTEF Digital

[INN-BALANCE](#) – *INNovative Cost Improvements for BALANCE of Plant Components of Automotive PEMFC Systems*
Karl Samuelsson, PowerCell

Scientific Panel Discussion

Prof. Ravi Thampi, University College Dublin

15:30 – 16 :00 Coffee Break



16:00

Parallel Sessions

End-Uses: Clean Heat & Power

Moderated by *Eleni Kontonasiou, Project Officer, Clean Hydrogen Partnership*

[PACE](#) - Stationary fuel cells as an energy solution for homes and small businesses - outcomes of the PACE project

Hans Korteweg, COGEN Europe

[ComSos](#) - Commercial-scale SOFC systems (ComSos) *Jari Kiviaho, VTT Smart Industry and Energy Systems*

[GRASSHOPPER](#) - GRASSHOPPER: Providing grid services with fast and flexible Hydrogen PEM Power plants

German Nieto, Nedstack Nederland

[EVERYWH2ERE](#) - Hydrogen EVERYWH2ERE: first results from transportable genset demonstrations

Giannicola Loriga, RINA Consulting

Scientific Panel Discussion

Maria Founti, National Technical University of Athens

Pre-Normative Research for Standards

Moderated by *Alberto Garcia Hombrados, Project Officer, Clean Hydrogen Partnership*

[PRHYDE](#) - Protocol for heavy-duty hydrogen refuelling Introduction and key results

Vincent Mattelaer, Toyota Motor Europe – R&D – Fuel Cell Division

[HYDRAITE](#) - HYDRAITE - Hydrogen Delivery Risk Assessment and Impurity Tolerance Evaluation

Jaana Viitakangas, VTT TECHNICAL RESEARCH CENTRE OF FINLAND LTD

[e-SHyIPS](#) - Eco-systemic Approach towards H2 Passenger Ferries Pre-normative Research Cells

Arianna Bionda, Politecnico di Milano

[AD ASTRA](#) - Harnessing Degradation mechanisms to prescribe Accelerated Stress Tests for the Realization of SOC lifetime prediction Algorithms

Massimiliano Della Pietra, ENEA

Scientific Panel Discussion

Beatriz Acosta Iborra, DG JRC, European Commission

17:45

Networking Event



FRIDAY, 28 OCTOBER

09:00 Registration & Welcome coffee

09:30 Parallel Sessions

Hydrogen Production

Moderated by Nikos Lympieropoulos, Project Officer, Clean Hydrogen Partnership

[REFHYNE](#) – Clean Refinery Hydrogen for Europe
Anders Ødegård, SINTEF

[H2Future](#) – Hydrogen Meeting Future Needs of Low Carbon Manufacturing Value Chains
Robert Paulnsteiner, VERBUND

[Neptune](#) - Neptune: Next Generation PEM Electrolysers under New Extremes
Daniel Greenhalgh, ITM Power

[MultiPLHY](#) - Multimegawatt high-temperature electrolyser to generate green hydrogen for production of high-quality chemical products
Julie Mougin, Technologies Hydrogène

Scientific Panel Discussion

Prof. Joris Proost, Université Catholique de Louvain

End-Uses: Transport

Moderated by Lionel Boillot, Project Officer, Clean Hydrogen Partnership

[H2ME 2/ZEFER](#) - ZEFER and H2ME: Flagship projects in hydrogen mobility for light vehicles in Europe
Romain Picard, Element Energy

[3EMOTION](#) - Environmentally Friendly, Efficient Electric Motion
Stefan Neis, WaterstofNet

[REVIVE](#) - Refuse Vehicle Innovation and Validation in Europe
Sven Goethals, Tractebel

[Hydrogen Ports Study](#) - Creating impetus for ports ecosystems to kickstart to European hydrogen economy
Stijn Vercammen, Deloitte

Scientific Panel Discussion

Mr. Dirk DE KEUKELEERE, Professor Energy Technology - KU Leuven

11:15 -11:45 Coffee break

11:45 Parallel Sessions

Hydrogen Storage and Distribution

Moderated by *Dionisis Tsimis, Project Officer, Clean Hydrogen Partnership*

[SHERLOHCK](#) - Sustainable and cost-efficient catalyst for hydrogen and energy storage applications based on liquid Organic Hydrogen Carriers
Konstantin Tarasov, CEA

[HIGGS](#) - Readiness of the European transmission network for the transport of 20% H2 blends
Javier Sánchez-Laínez, Coordinator of the hydrogen conditioning and transport area

[COSMHYC DEMO/COSMHYC XL](#) - Innovative H2 Compression Demonstration in a Public HRS
Rami Chahroui, project coordinator at COSMHYC DEMO

[HYPSTER](#) – HyPSTER, Hydrogen Pilot Storage for large Ecosystem Replication
Maurice Schlichtenmayer, ESK GmbH, Germany

Scientific Panel Discussion
Rosa Puentes, ENTSOG

Building Blocks for Transport Applications

Moderated by *Claudiu Pavel, Project Officer, Clean Hydrogen Partnership*

[CRESCENDO](#) – Platinum group metal free anodes and cathodes for proton exchange membrane fuel cells
Deborah Jones, CNRS

[GAIA](#) – High power density automotive membrane electrode assemblies
Deborah Jones, CNRS

[PEGASUS](#) - PEMFC based on platinum group metal free structured cathodes
Pierre-André Jacques, PEMFC Components Laboratory

[THOR](#) - THOR Project: Use of a Thermoplastic composite for Hydrogen Compressed Pressure Vessels
Denis Ragot, FORVIA

Scientific Panel Discussion
Prof. Pierre Millet, Université Paris-Sud

13:30 -15:00 Lunch break

15:00 Closing session and Key Take-Aways

Moderated by *Bart Biebuyck, Executive Director, Clean Hydrogen Partnership*

- *Hélène Chraye, Head of Unit Clean Energy Transition, DG Research and Innovation, European Commission*
- *Luigi Crema, Director of the Sustainable Energy Center, Fondazione Bruno Kessler Hydrogen Europe Research Board Member*
- *Mirela Atanasiu, Head of Unit Operations & Communication, Clean Hydrogen Partnership*

16:00 Closing remarks

Bart Biebuyck, Executive Director, Clean Hydrogen Partnership