



WASTE2H2 Final conference 9-10 November 2023

Link: <https://videoconf-colibri.zoom.us/j/96737348971?pwd=MUw4WWJnUW1vdmFXR0ltVXlwOEIGQT09>

Address: Campus Politécnico, 10, building BioBIP, room 235.

Day 1 09/11/2023

9.30 - 10.00 h: Registration

10.00 - 10.30 h: Opening Ceremony

Luís Loures (President of IPPortalegre) and Paulo Brito (Project Coordinator)

10.30 -11.15 h: Keynote Speaker 1 - Francisco Gírio, LNEG

(Moderator: Catarina Nobre, IPP)

11.15 - 11.45 h: Coffee break & Poster session & Special Poster Session for the STSE's

11.45 - 12.45 h: Round Table 1 - Hydrogen production (Electrochemical and thermochemical processes for H₂ production from waste)

Carmen Mireya Rangel (LNEG), Andrei Kavaleusk (UA), Luís Tarelho (UA)

(Moderator: Francesca Santoni, ENEA)

12.45-14.00 h: Lunch (free time)

14.00-15.00 h: Round Table 2 - Hydrogen conversion technologies (Biofuel, e-fuel, Power-to-X technologies etc.)

José Campos Rodrigues (AP2H2), Miguel Lourenço (Fusion Fuel), Gonçalo Lourinho (BioREF)

(Moderator: Luiz Rodrigues, IPP)

15.00 – 16.30 h: Oral presentations

(Moderator: Massimiliano della Pietra)

Philipp A. Graefe (KIT) – “Effects of co-feeding CO on catalyst activity and selectivity in three-phase CO₂-Fischer-Tropsch synthesis”

Fellipe Alves (AIP) – “Cooperation of the Portuguese Industrial Association (AIP) in dissemination actions and funding of H₂ Portugal”



This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 952593





Wiebke Asbahr (KIT) – “New reactor concept for sorption-enhanced Fischer-Tropsch synthesis”

Donatella Barisano (ENEA) – “Gasification of residual biomass and waste for H₂ production with CO₂ capture”

Pedro Souza (KTH) – “Biomass gasification as a pyrometallurgical pretreatment of red mud: A route for biofuels, iron production, and recovery of critical raw materials”

End of day 1

Day 2 10/11/2023

10.00 - 10.45 h: Keynote Speaker 2 - Enrico Bocci (Marconi University)
(Moderator: Catarina Nobre, IPP)

10.45 - 11.15 h: Round Table 3 - WASTE2H2 project's overview

Reinhard Rauch (KIT), Klas Engvall (KTH), Massimiliano della Pietra (ENEA), Paulo Brito (IPP)

11.15 – 11.30h: Closing ceremony

11.45 – 12.15 h: Brunch & Poster session & Special Poster Session for the STSE's



This project has received funding from the European Union's Horizon 2020 research and innovation programme

under grant agreement No 952593





Poster session & Special Poster Session for the STSE's

Roberta Panizio (IPPortalegre) – “STSE in ENEA - Characterization of fuel cells at high temperature”

Ana Carolina Assis (IPPortalegre) – “STSE in KTH”

Santa Margarida Santos (IPPortalegre) – “STSE in KTH”

Luís Calado (IPPortalegre) – “STSE in KIT”

Roberta Panizio (IPPortalegre) – “Comparative Study on Electrochemical and Thermochemical Pathways for H₂ Production”

Catarina Nobre (IPPortalegre) – “Project RESIST: Regions for climate change resilience through Innovation, Science and Technology”

Gonçalo Lourinho (BioREF) – “Project HYFUELUP: Hybrid Biomethane Production from Integrated Biomass Conversion”

Catarina Nobre (IPPortalegre) - Project PYRAGRAF: Decentralized pyrolytic conversion of agriculture and forestry wastes towards local circular value chains and sustainability”

Francesca Santoni (ENEA) – “NEST- Network for Energy Sustainable Transition: Spoke 4 “Clean H₂ and Final Uses”

Francesca Santoni (ENEA) – “Fuel Cells and Green Hydrogen Centers of Vocational Excellence towards affordable, secure, and sustainable energy for Europe”

Luiz Rodrigues (IPPortalegre) – “Brewer’s Spent Grain For Hydrogen, Biogas And Biofertilizers Generation: Preliminary Study”

Miguel Gómez-Casero (UJaén) – “Acorn Gasification Char Valorisation”



This project has received funding from the European Union’s Horizon 2020 research and innovation programme

under grant agreement No 952593

