

8TH APRIL
2026

OPEN DAY

of the HY4RES project

*Águas do Douro e Paiva –
Lêver Water Treatment Plant,
Vila Nova de Gaia, Portugal*

*Developing Hybrid Systems for Renewable Energy in Energy
Communities: Strengthening local energy resilience*

Note: the event will include presentations in Portuguese and in English. Translation will be available.

Provisional programme

14:30-14:50

OPENING SESSION

“Renewable energy solutions applied to water-energy communities – Aguas do Douro e Paiva and Faculdade de Engenharia de Universidade do Porto”

Introduction of the afternoon by Vitor Pereira (Aguas do Douro e Paiva), Francisco Piqueiro (University of Porto) and Tiago Reis de Oliveira (10devosvalentes), sharing their perspectives on the key challenges and opportunities faced by water-energy communities, including experience from small hydro projects, and how hybrid energy systems can support greater energy autonomy and sustainability.

Examples from other projects highlighting innovative approaches for energy efficiency and local pressure management implemented at Aguas do Douro e Paiva and through the Cepeda water mill rehabilitation project, illustrating practical solutions in water-energy communities.

Presentation of the European project HY4RES and its pilot in Senhora do Salto: a historic mill complex and surrounding buildings powered by a hybrid renewable energy system combining solar, hydro, and wind, presented by Aonghus McNabola (Trinity College Dublin) and Helena Ramos (Instituto Técnico – Universidade de Lisboa).

14:50-15:50

WORKSHOP

“How to make energy communities more sustainable?”

Networking workshop with participants and the project’s experts on the innovations presented, exploring the challenges faced by local communities and the existing solutions to strengthen energy autonomy, resilience and sustainability in energy communities.

15:50-16:00

WRAP-UP AND CLOSING

Closing presentation by the experts from Vertigo Lab, focusing on the sustainability assessment within HY4RES that measures the economic, ecological and social impacts of the developed technologies.

Register