

European Twinning for research in Solar energy
to (2) water (H₂O) production and treatment technologies

GA Number: 101079305

European Research Executive Agency REA.C3



Funded by
the European Union

Sol2H2O



Simpósio Water-Energy Strategy

Casa Cordovil, Universidade de Évora, Évora

6 de Fevereiro de 2025

Evento presencial



Università
degli Studi
di Palermo



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Gathering the experience of three non-Widening (TOP) partners presenting some of the most outstanding background and Research Infrastructure (RI), at European level, in the development of Solar-driven water production and wastewater treatment technologies (WP&WT), together with brine treatment processes for raw materials recovery and Zero Liquid Discharge (ZLD); Sol2H2O aims at supporting the Coordinator (WIDENING) partner in the development of establishment of high-level research in these fields.

Based on the outstanding WIDENING RI and background in Solar Energy technologies and on its preliminary experiences in the Water-Energy nexus field, Sol2H2O seeks the development and implementation of a common scientific strategy, with a strong focus on an enhanced capacity building of researchers, going beyond purely scientific capacities and strengthening their research management and administration skills.

By means of enhanced cooperation duly framed on a common research strategy aiming at further developing Solar-driven Water-Energy Nexus solutions, **Sol2H2O aims at creating a reference European facility for the development and testing of Circular Solar-driven Water Production & Treatment technologies and brine treatment processes.**

SOL2H2O Water-Energy Strategy Symposium

A **National Symposium** aiming at the presentation and discussion of the potential role of Water-Energy technologies in the objectives of the **National Energy and Climate Plan**, as well as of the potential for **industrial development** and technology exports stemming from the application of the existing/developing Industrial capacity to the technological solutions sought in Sol2H2O.



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06.02.2025

09.00	Visita técnica à Infraestrutura de Investigação da UÉvora	Autocarro
12.00	Apresentação do projeto Sol2H2O e do Nexo Água-Energia	Pedro Horta <i>Universidade de Évora</i>
12.15	Piloto Sol2H2O, competitividade e cadeias de valor	Frederico Felizardo <i>Universidade de Évora</i>
12.45	Almoço	
14.00	A nova Diretiva das Águas Residuais Urbanas (DARU) e os desafios para a área de jurisdição da APA/ARH Alentejo	Ana Rodrigues <i>Administração da Região Hidrográfica do Alentejo</i>
14.20	Desafios da transposição da nova Diretiva DARU e investimentos associados	Vera Eiró <i>Presidente da ERSAR</i>
14.40	A utilização da energia solar no tratamento de água	<i>A confirmar</i>
15:00	A dessalinização em Portugal: 45 anos de dessalinização na ilha do Porto Santo	Nuno Pereira <i>Diretor de Produção da Água e Resíduos da Madeira</i>
15.20	<i>Título a confirmar</i>	<i>Departamento de Hydraulics & Water Resources Resilience (EDP)</i>
15.40	Coffee break	
16.00	Mesa-redonda Nexo Água-Energia: integração de energias renováveis na produção e tratamento de água	Manuela Morais <i>Universidade de Évora (Moderação)</i> João Crespo <i>Universidade Nova de Lisboa</i> Carina Arranja <i>Secretária-Geral da FENAREG</i> Participação de todos os oradores e público presente
17.30	Fim	