

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  
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# 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      | <b>Visita técnica</b> à Infraestrutura de Investigação da UÉvora                                                 | Autocarro                                                                                                                                                                                                                                      |
| 12.00      | Apresentação do projeto Sol2H2O e do Nexo Água-Energia                                                           | Pedro Horta<br><i>Universidade de Évora</i>                                                                                                                                                                                                    |
| 12.15      | Piloto Sol2H2O, competitividade e cadeias de valor                                                               | Frederico Felizardo<br><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<br><i>Administração da Região Hidrográfica do Alentejo</i>                                                                                                                                                                       |
| 14.20      | Desafios da transposição da nova Diretiva DARU e investimentos associados                                        | Vera Eiró<br><i>Entidade Reguladora dos Serviços de Águas e Resíduos</i>                                                                                                                                                                       |
| 14.40      | Plano de neutralidade energética da EPAL/AdVT - Desafios                                                         | Nuno Medeiros e Rodrigo Marques<br><i>EPAL - Empresa Portuguesa das Águas Livres</i>                                                                                                                                                           |
| 15:00      | A dessalinização em Portugal: 45 anos de dessalinização na ilha do Porto Santo                                   | Nuno Pereira<br><i>Água e Resíduos da Madeira</i>                                                                                                                                                                                              |
| 15.20      | Modelos de previsão de afluências na gestão de aproveitamentos hidroelétricos                                    | Pedro Pinto<br><i>Departamento de Hydraulics &amp; Water Resources Resilience (EDP)</i>                                                                                                                                                        |
| 15.40      | Coffee break                                                                                                     |                                                                                                                                                                                                                                                |
| 16.00      | <b>Mesa-redonda</b><br><br>Nexo Água-Energia: integração de energias renováveis na produção e tratamento de água | Manuela Morais<br><i>Universidade de Évora (Moderação)</i><br><br>João Crespo<br><i>Universidade Nova de Lisboa</i><br><br>Carina Arranja<br><i>Federação Nacional de Regantes</i><br><br>Participação de todos os oradores e público presente |
| 17.30      | Fim                                                                                                              |                                                                                                                                                                                                                                                |