



## SFERA-III Final Event

As the SFERA-III project approaches completion (December 2023), the main outcomes of its networking, trans-national access and joint research activities will be presented in an open workshop organized at CIEMAT headquarters. The impact of the project results will be discussed with policy makers, stakeholders, and the general public, in the form of two interactive sessions, featuring also the participation of external experts and project collaborators.

- Location: CIEMAT, Avenida Complutense 40, Madrid (Spain)  
Auditorium Margarita Salas (Building 1)
- Date: 13<sup>th</sup> December 2023
- Registration: [Registration form](#). Registration open until 1<sup>st</sup> December 2023
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The SFERA-III project addresses advanced science challenges and integrated research activities in the field of Concentrating Solar Thermal (CST) technology by integrating key European research infrastructures (RIs) into an ambitious wide project aiming at offering to a new level of high-quality services by:

1. Increasing and spreading the scientific and technological knowledge in the CST field.
2. Promoting the long-term sustainability of the integrated RIs, and developing synergies and complementary capabilities among them, aiming to develop the European Research Area.
3. Providing high-quality RIs and advanced services that enable European researchers from academia and industry to conduct first-class experimental research focusing on CST-related activities (i.e., thermal storage systems, water desalination, water treatment, solar fuel production, materials for solar receivers and STE components, linear systems and point focusing systems) and other high temperature / high flux applications.
4. Educating new researchers to the appropriate use of the RIs.
5. Fostering the access of industrial researchers to RIs.
6. Enhancing the innovation potential and effectiveness of the RIs by developing new standards and protocols, thus improving their relevance for the industry.
7. Promoting the exploitation of CST-related know-how and technologies (e.g., materials treatments and characterisation techniques) in other fields with an interdisciplinary approach.
8. Supporting the creation of an e-infrastructure providing remote access to the European R&D centres active in the field of CST-related technologies.

*Note: SFERA-III team reserves the right to make changes to the workshop programme.*





## AGENDA

8.30 – 9.00	<i>Welcome coffee</i>
9.00 – 10.00	<b>Opening of the SFERA-III final event</b>
	<p>Ricardo Sánchez, CIEMAT</p> <p>Spanish Government representatives for SET Plan, and R&amp;I funding opportunities: Cristina Trueba (MICIN), Luisa Revilla (CDTI)</p> <p>EC representative from Directorate-General RTD, Research and Innovation: Piero De Bonis</p> <p>CET Partnership: Francesco Basile (Università di Bologna)</p>
10.00 – 11.30	<b>Session 1 - Key outcomes of the networking &amp; trans-national access activities</b> Moderated by Ricardo Sánchez and Simona De Iuliis
	<p><b>Key figures from doctoral colloquia, summer schools and training for industry</b>, Daniel Benitez (DLR)</p> <p><b>Success Stories from SFERA-III Trans-national access: Pitches from invited users</b>, Ricardo Sánchez (CIEMAT)</p> <p><b>Contribution to standardization</b>, Marc Röger (DLR)</p> <p><b>Needs vs current status of RI in line with updated CST Implementation Plan</b>, Valéry Vuillerme (CEA)</p> <p><b>E-infrastructure concept and proposed design</b>; Diego Alarcón (CIEMAT)</p> <p><b>EU-SOLARIS - a European Research Infrastructure Consortium</b>, Diego Martínez (EU-SOLARIS ERIC)</p>
11.30 – 12.00	<i>Coffee break</i>
12.00 – 13.30	<b>Session 2 - Key outcomes of the joint research activities</b> Moderated by Ricardo Sánchez and Simona De Iuliis
	<p><i>Each WP leader will present a success story based on the results obtained in the different activities, in line with the exploitable results, and present what is still to be addressed in session 3</i></p> <p><b>Thermal storage systems: closing the missing gaps</b>, Esther Rojas (CIEMAT)</p> <p><b>Solar desalination and water treatment</b>, Marios C. Georgiou (Cyl)</p> <p><b>Developments and breakthroughs in solar fuel production</b>, Brendan Bulfin (representing ETH Zurich)</p> <p><b>Solar receivers operation and lifetime: better optical temperature measurements, better thermomechanical knowledge</b>, Emmanuel Guillot (CNRS)</p> <p><b>Sensor calibrations and performance measurements</b>, Marc Röger (DLR)</p>
13.30 – 14.30	<i>Lunch</i>
14.30 – 16.30	<b>Session 3 - Open perspective and future possible actions/opportunities at the EU level</b> Moderated by Ricardo Sánchez and Simona De Iuliis
	<p><b>Setting the scene: SFERA-III views on open questions to be further investigated</b></p> <p><b>What is on the agenda, what is still to be addressed to solve certain problems of our technology that require further research in the future. Funding opportunities</b></p> <p><b>Contribution from other EU projects/initiatives</b></p>
16.30 – 17.00	<b>Open discussion &amp; Closing remarks by Ricardo Sánchez</b>
17.00 – 18.30	<i>Networking cocktail (reception)</i>

