

SOLARX final workshop to showcase results at SolarPACES Conference in Almeria, Spain

On Thursday, 25 September 2025, from 14:00-16:00 (CET), [SOLARX](#), a project funded by the European Commission's Horizon Europe research & innovation programme and coordinated by Prof. Jérôme Barrau from the [University of Lleida](#) (UdL), will host its final workshop in Almeria, Spain. Most project partners will present in person and discuss results, the relevance of the project and its importance in the development and implementation of commercial solutions. The event will take place at Palacio de Exposiciones y Congresos in Sala 7 during the [International SolarPACES Conference](#), the world's leading conference on concentrating solar power, thermal and chemical energy systems, to leverage the attendance of the conference by specialists in the sector and gather all relevant industrial stakeholders. The conference room will be equipped with a screen and surround sound, ensuring a seamless experience for all attendees. The workshop will be a hybrid event, held both **in person** and **via [Zoom](#)**. More information can be found at [solarx-project.eu](#).

The 2024 edition of the SolarPACES conference served as a platform for unveiling new achievements within the SOLARX project. Highlights included the [hybridisation of concentrating photovoltaic cells with thermal receivers in a multi-tower solar field](#), presented by UdL, and the [design of a high heat flux solar reactor receiver used for low-carbon hydrogen production](#), showcased by the [French National Centre for Scientific Research](#) (CNRS). As the project concludes at the end of October 2025, the consortium will present the final results, demonstrating the technical and economic reliability, as well as the social value, of the synergetic production of heat, electricity, and hydrogen from solar resources in a single facility. This demonstration will consider real-time energy demands and market prices for various locations and application scenarios.

Speaker summary with main takeaways

- *Dr. Jérôme Barrau*, professor and researcher from UdL in Spain, as well as coordinator of the SOLARX project, will present the results of WP2, focused on the design and development of a high-efficiency concentrated Photovoltaic (CPV) receiver.
- *Dr.-Ing. Gregor Bern* from the [Fraunhofer Institute for Solar Energy Systems](#) (Fraunhofer ISE) in Germany will present the results of WP1, focused on creating a smart solar resource management system and control strategies to align solar management and energy production with an adaptive and dynamic supply and demand strategy.
- *Prof. Luc Fréchet* from CNRS in France and the Université de Sherbrooke (UdeS) in Canada will present the results of WP3, focused on the development of the bi-energy H2 receiver driven by renewable electricity or direct solar energy for the transformation (Dual Methane Reforming) of renewable energy biogas.
- *Dr. Anders N. Andersen* from [EMD International](#) in Denmark will present the results of WP4, focused on the delivery of a roadmap towards system integration and technology commercialisation.
- *Dr. Matti Koivisto* from the [Technical University of Denmark](#) (DTU) will present the results of WP5, focused on the analysis of the entire system from a global point of view, including environmental, economic, and social aspects, to guide technical choices and developments during the project.
- *Dr. Kypros Milidonis* from [The Cyprus Institute](#) (CYI) present the results of WP8, focused on the significant enhancement of the first key technological element of the SOLARX project (the smart solar resource management algorithm).
- *Dr. Enrique Pascual* from [ACCIONA](#) will discuss unavoidable thermal losses in concentrating solar power plants from real data to modelling.



SOLAR X
Final Workshop

Dispatchable concentrated Solar-to-X energy solution for high penetration of renewable energy

25 September 2025, Almeria, Spain 14:00 - 16:00 (CET)

taking place during the SolarPACES Conference [Register Now](#)

Universitat de Lleida, Fraunhofer ISE, CNRS, UPS, Université de Sherbrooke, emd, DTU, Technical University of Denmark, THE CYPRUS INSTITUTE, acciona, accelopment

SolarPACES
Concentrating Solar Power, Thermal, and Chemical Energy Systems

September 23-26, 2025
Almeria, Spain
31st SolarPACES Conference

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PROGRAMME [Register Now](#)

14:00	Jérôme Barrau, UdL, Spain: SOLARX project and partners introduction	SOLAR X
14:10	Gregor Bern, Fraunhofer ISE, Germany: Solar management and control strategies	Fraunhofer ISE
14:25	Jérôme Barrau, UdL, Spain: CPV receiver's implementation	Universitat de Lleida
14:40	Luc Fréchette, CNRS, France: H2 generation from renewable energy and CCUS	CNRS, UPS, Université de Sherbrooke
14:55	Anders N. Andersen, EMD, Denmark: Roadmap towards system integration and technology commercialization	emd
15:10	Matti Koivisto, DTU, Denmark: Economic, environmental, and social assessment	DTU, Technical University of Denmark
15:25	Kypros Milidonis, CYI, Cyprus: Airborne, non-intrusive UAV-based system for heliostat mirror geometrical characterization	THE CYPRUS INSTITUTE
15:40	Enrique Pascual, ACCIONA, Spain: Unavoidable thermal losses in CSP plants: From real-data to modelling	acciona

[ABOUT THE SPEAKERS](#)

Figure: Programme schedule for the final SOLARX workshop on 25 September 2025.

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