



Industry experts from six EU-funded projects will meet to discuss solar concentration technologies for flexibility on the production side during Sustainable Energy Week

On Monday, 9 June 2025, from 10:30-12:00 (CET), industry leaders from six EU-funded projects will explore the challenges of deploying innovative, fully dispatchable hybrid renewable technologies based on solar concentration. The online webinar titled "Solar Concentration Technologies for Flexibility on the Production Side" is hosted by the SOLARX project, free of charge, open to all audiences and includes a live Q&A session, where participants can engage directly with the speakers and get answers to their questions.

In the words of the Coordinator of the SOLARX project, Dr. J. Barrau *"Implementing flexible power generation through RES is a must for a sustainable energy transition."* Many technical and non-technical challenges of implementing flexible power generation through solar concentration technologies will be discussed. The speakers will also examine the role of storage and hybrid facilities in decarbonising the grid and accelerating the energy transition.

This collaboration aims to impact the research community on concentrated solar power (CSP) by fostering growth and facilitating collective learning, consequently enhancing European innovation capacity while increasing the reach of generated results through shared networks and knowledge. Additionally, the webinar is part of the European Sustainable Energy Week's (EUSEW) Sustainable Energy Days initiative, held to promote clean energy and energy efficiency and designed to bring various events organised by stakeholders under the umbrella of the EUSEW community. Featuring a variety of formats – from civil society meetings to educational forums and even artistic interventions – these events provide a platform for individuals, organisations, and communities to inspire behavioural change and accelerate innovation towards achieving the EU's energy and climate goals.

Everyone interested in participating in the online webinar can register on the SOLARX project website at solarx-project.eu or directly at https://us02web.zoom.us/webinar/register/WN_pPJCdyaWRV5FjNr7taE-rA#.

Speaker summary

1. Dr. Jérôme Barrau, professor, researcher and coordinator of the SOLARX project, will present a set of results focused on demonstrating the impact of the solution in different applications, including the capacity to align the production of several energy vectors with solar resource and the energy demand in different applications.
2. Nicolò Cairo, officer of the ROBINSON project, will talk about challenges and opportunities in the decarbonisation of geographical islands with an emphasis on the replicability of sustainable projects in different regions.
3. Fritz Zaversky, research engineer and coordinator of the ASTERIX-CAESar project, will explain how compressed air energy storage (CAES) combined with concentrated solar power can make renewable energy dispatchable.
4. Dr. Cristina Prieto, professor and coordinator of the HYBRIDplus project, will present the latest advances in the design and validation of electrified cascade phase change material (PCM) configurations for performance improvement and the pilot plant that is under construction for eTES validation.
5. Dr. Enrique Pascual, research engineer from the LEIA project, will cover the methodologies used for the characterization and calibration of the solar field and receiver as well as the theoretical integration of these tools into the Energy Management System.
6. Dr. Peter Heller, senior scientist, manager and coordinator of the CST4ALL project, will talk about how the objectives and results of the project support the activities of the CST technology of the SET-Plan.



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PROGRAMME		
10:30	Welcome and introduction Miriam Frances, accelopment, Switzerland	SOLARX WEBINAR
10:35	Dispatchable concentrated Solar-to-X energy solution for high penetration of renewable energy Jérôme Barrau, University of Lleida, Spain	SOLARX
10:45	Challenges and opportunities in the decarbonisation of geographical islands Nicolò Cairo, ETN Global, Brussels	Robinson
11:00	ASTERIX-CAESar: Flexible Solar power generation with Compressed Air Energy Storage Fritz Zaversky, CENER, Spain	ASTERIX-CAESAR
11:20	Advanced HYBRID solar plant with PCM storage solutions in sCO2 cycles Cristina Prieto, University of Seville, Spain	HYBRID plus
11:35	SoLar field mEasurements to Increase performAnce Enrique Pascual, ACCIONA, Spain	LEIA
11:50	Support to the activities of the concentrated solar thermal technology area of the set plan Peter Heller, Deutsches Zentrum für Luft- und Raumfahrt	CST4ALL

Figure: Programme schedule for the online webinar on 9 June 2025.

Contacts

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