



SCO2-FLEX Final Event

The Role of sCO2 cycles in Europe's Energy System Flexibility

16th June 2021 14:00 to 17:00

In partnership with:

SCARABEUS 


sCO₂-4-NPP


I-ThERM

COMPAS_{sCO₂}

CO2OLHEAT



This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement N° 764690.

sCO₂flex 

Description

In a context of energy transition, the last few years have seen supercritical CO2 cycles emerge as a potential player in more efficient and lower-emission electricity production.

Indeed, since they can be adapted to any type of production (from conventional production to heat recovery, including nuclear and renewable energy), sCO2 cycles offer very interesting prospects in terms of increased efficiency, flexibility, cost control and reduced environmental impact.

All over the world, numerous research projects and demonstrators are being set up, and Europe is positioning itself as one of the players in this area. The number of research projects on sCO2, financed by the European Commission, has been increasing for more than 6 years and demonstrates the dynamics of European academic and industrial actors.

Given this fact, the event proposed within the framework of the sCO2-flex project aims to show the versatility of sCO2 cycles in energy production as well as the objectives and results obtained by the actors of these European projects.

In addition to a presentation by the European Commission, 6 projects will present their vision of the potential of sCO2 cycles. They are:

- [SCARABEUS](#)
- [SCO2-4NPP](#)
- [COMPASSCO2](#)
- [ITHERM](#)
- **CO2OLHEAT**

See draft Agenda on the next page:



AGENDA

Day	16/06/2021
14:00 – 14:05	Welcome (Albannie CAGNAC, EDF)
14:05 – 14:20	Keynote speech by Eric LECOMTE (DG ENER) at EC Climate/Ener policy
14:20 – 14:40	sCO2Flex project results (Albannie CAGNAC, EDF)
14:40 – 15:00	SCARABEUS project presentation <i>(David Tomas Sanchez, Universidad de Sevilla)</i>
15:00 – 15:20	SCO2-4-NPP project presentation (Albannie CAGNAC, EDF)
15:20 – 15:40	COMPASsCO2 project presentation <i>(Daniel Benitez, German Aerospace Center (DLR))</i>
15:40 – 15:50	<i>Short break</i>
15:50 – 16:10	I-THERM project presentation <i>(Professor Savvas A Tassou, Brunel University London)</i>
16:10 – 16:30	CO2OLHEAT project presentation <i>(Ugo Simeoni, ETN Global)</i>
16:30 – 16:50	Q&A - Panel discussion
16:50 – 17:00	<i>Closure – concluding remarks</i>





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