

CSP
CONCENTRATED
SOLAR POWER



CSP ERA-NET has received funding from the European Union's Horizon 2020 Research and Innovation Programme under grant agreement No. 838311.

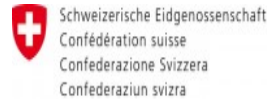
CSP ERANET

Concentrated Solar Power (CSP) technology ERANET

Rachel C. Tully
AGENEX (ES)
rctully@agenex.net



CSP ERANET



Implementation: June 2019 – May 2024

Participants: 8 countries + 2 regions

Aims to coordinate efforts of Member States, Associated Countries and regions to achieve **CSP SET Plan objectives**, pooling financial resources to bridge the gap between research and commercial deployment.

Challenges to overcome:

- Reduce investment and O&M costs
- Increase competitiveness
- Increase efficiency and reliability and system and component level



1st Joint Cofund Call



The **CSP ERANET 1st Cofund Joint Call** was launched on October 7, 2019. It counted with the participation of 11 Funding Agencies from 8 EU and Associated Countries and a total budget of **€13 million**.

6 proposals were submitted by **June 19, 2020**, end date of the full proposal stage.

The **Expert Panel Meeting** in which the ranking list was approved, took place online on **October 19, 2020**. The main goal of the meeting was to establish the ranking list of the 6 proposals submitted at the full proposal stage, on the basis of the scores and evaluation comments given by the 9 evaluators participating at the evaluation stage of the CSP Eranet Joint Co-funded Call (one independent observer and 7 representatives of the funding organizations also participated in the meeting).

The **Call Steering Committee Meeting** took place on **October 26, 2020**, following the Expert Panel Meeting. It was decided during the meeting that **all the ranked six projects would be funded**, with a total requested funding of €9,1 million, which is 70% of the total project costs.



Funded projects (1)



European Parabolic Trough with Molten Salt (EuroPaTMoS)

EuroPaTMoS pulls together the European expertise and testing infrastructure for parabolic trough (PTC) with molten salt (MS), to accelerate transfer of technology from R&D to commercial deployment.

[Read more](#)

EuroPaTMoS

TOPIC: 2. Parabolic trough with molten salts

Coordinator: Deutsches Zentrum fuer Luft- und Raumfahrt EV

10 partners from:




Newline

Advanced thermocline concepts for thermal energy storage for CSP (NEWCLINE)

Thermocline is a cost efficient thermal storage system able to reduce capital costs up to 40%. The objective of NEWCLINE is to develop new thermocline concepts that can be applicable to different CSP plants (PT,

[Read more](#)

NEWCLINE

TOPIC: 8. Advanced TES (Thermal Energy Storage)

Coordinator: Universitat Politècnica de Catalunya

5 partners from:




InnoSolPower

INNOvative SOLar micro-TES with high-POWER density (InnoSolPower)

The InnoSolPower project aims to demonstrate a novel concept of an efficient, low-cost, low temperature, high energy density micro-thermal energy storage (μ TES) dedicated to concentrated solar power (CSP) systems.

[Read more](#)

InnoSolPower

TOPIC: 8. Advanced TES (Thermal Energy Storage)

Coordinator: Pars Makina Ltd. Research and Development

4 partners from:





Funded projects



Thermal Energy Storage for On-demand Solar Trigenation (TES4Trig)

TES4Trig aims at unifying the strategies established at the EU SET plan for CSP into a single innovative CCHP system driven by solar parabolic trough collectors (PTCs), based on the integration of the Organic Rankine Cycle (ORC) and Ejector Cooling Cycle (ECC) with a cost-effective TES system.

[Read more](#)

TES4Trig

TOPIC: 8. Advanced TES (Thermal Energy Storage)

Coordinator: National Technical University of Athens

6 partners from:



High performance parabolic trough collector and innovative silicone fluid for CSP power plants.(Si-CO)

The Si-CO project aims to techno-economically demonstrate a new optimized and large-scale parabolic trough collector (Si-PTC) design that operates using HELISOL@XLP at 430°C, a siliconebased heat transfer fluid (Si-HTF).

[Read more](#)

Si-CO

TOPIC: 3. Parabolic trough with silicone oil

Coordinator: ACCIONA INDUSTRIAL S.A.

8 partners from:



Techno-economical evaluation of different thermal energy storage concepts for CSP plants (CSPplus)

The aim of CSPplus project is to develop a new tool capable of fully identify, develop, and compare new storage concepts in an easy manner, providing a reliable and cost-effective solution based on the specific conditions of each possible scenario.

[Read more](#)

CSPplus

TOPIC: 8. Advanced TES (Thermal Energy Storage)

Coordinator: University of Lleida

6 partners from:





Get involved

Submit a proposal

Call Information

<https://csp-eranet.eu/calls/additional>

Partner Search Tool

<https://csp-eranet.eu/matchmaking>

Electronic Submission System

<https://www.submission-csp-eranet.eu/call2>

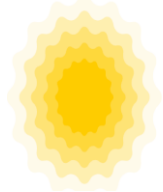
Joint Call Secretariat

csp-eranet@agenex.net

Follow Us

<https://csp-eranet.eu/>





Thank you for your attendance

CSP ERANET Additional Call 2021