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

CSP ERANET

CSP Projects Joint Webinar – 25th of June 2021

Julio Marchamalo Amado – AEI-FECyT –CSP ERANET Com&Diss Office

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About Us

CSP ERANET constitutes a **public-public partnership** gathering 11 representatives from Member States, Associated Countries and Regions with the common objective of **bridging the gap between research and commercial deployment in the Concentrated Solar Power (CSP) technology**, so this technology can play a main role in the European renewable electricity generation in a medium term.

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About Us

CSP ERANET aims to coordinate the efforts of these Member States, Associated Countries and Regions in order to achieve CSP SET Plan objectives, by pooling financial resources to **implement joint calls for Research & Innovation proposals**, resulting on strategic projects with substantial investment, which cannot be allocated by individual countries or by the European Commission on their own.

CSP ERANET members have committed more than 9 million EUR for launching the **Cofund 1st Joint Call for proposals** and more than 6 million EUR for the **Additional Call**, coming this september 2021.

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CSP Consortium

- **Strong and balanced** members
- Government departments for **energy and research institutions** from 8 countries
- **Committed** to achieve results in the CSP technology field
- **Common interests** in solar power (SOLAR ERANETs)
- **Previous experience** in launching joint calls

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Strategic Objectives

1. Accelerate the time to commercial deployment of **affordable, cost-effective and resource-efficient technology solutions** which decarbonize the energy system in a sustainable way;
2. **Place the CSP technology in a referent position in the Energy Union** long-term strategy, filling the gap of some RES technologies which are not manageable or storable at an affordable cost;
3. Move towards an integrated **European R&I approach which accelerates the transformation of the energy system**.

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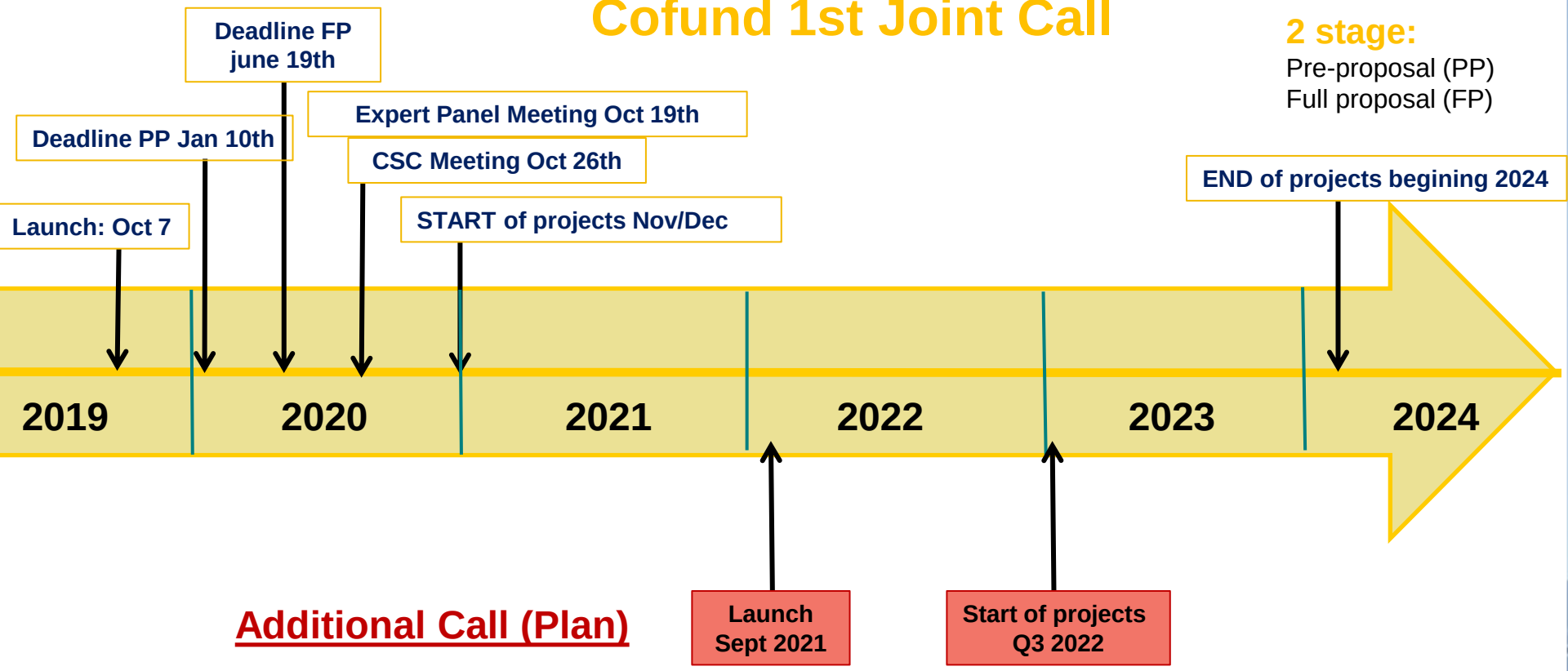
Cofund 1st Joint Call

2 stage:
Pre-proposal (PP)
Full proposal (FP)



Additional Call (Plan)

- **Launch** Sept 2021
- **Start of projects** Q3 2022

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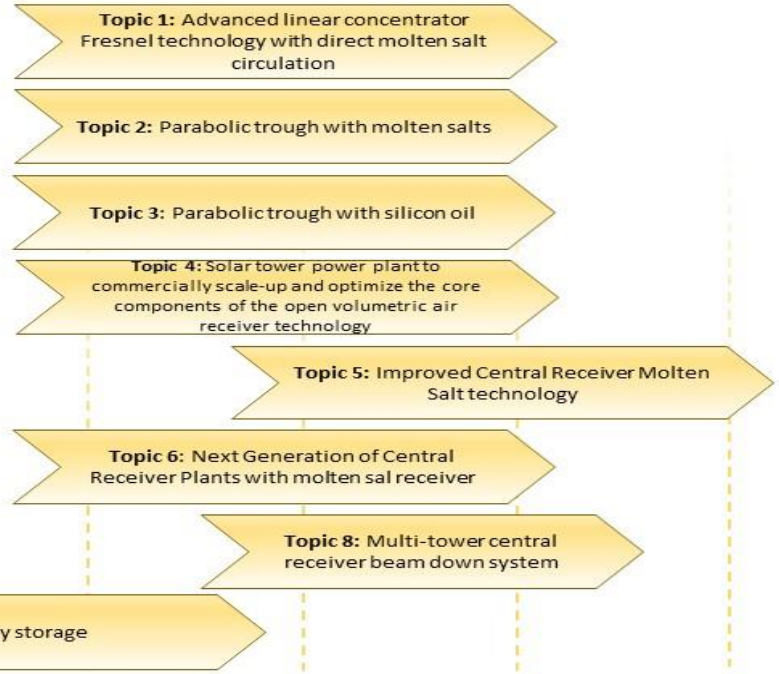
Topics selected for the 1st Call

Based on the research and priorities identified in the SET Plan and the CSP Implementation Plan and originated from the STAGE-STE Deliverable 2.3 "Final R+D input to Implementation Plan technological research programme to CSP/STE defined targets achievement



TRL 1	TRL 2	TRL 3	TRL 4	TRL 5	TRL 6	TRL 7	TRL8	TRL 9
Basic principles observed	Technology concept formulated	Experimental proof of concept	Technology validated in lab	Technology validated in relevant environment	Technology demonstrated in relevant environment	System prototype demonstration in operational environment	System complete and qualified	Actual system proven in operational environment / competitive manufacturing

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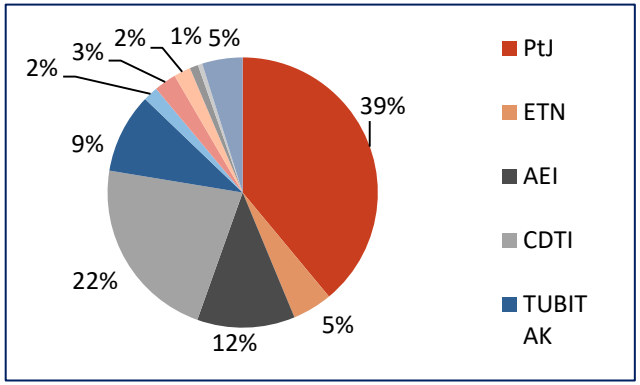
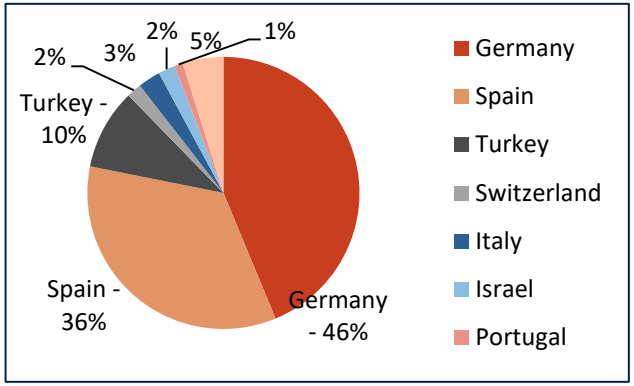
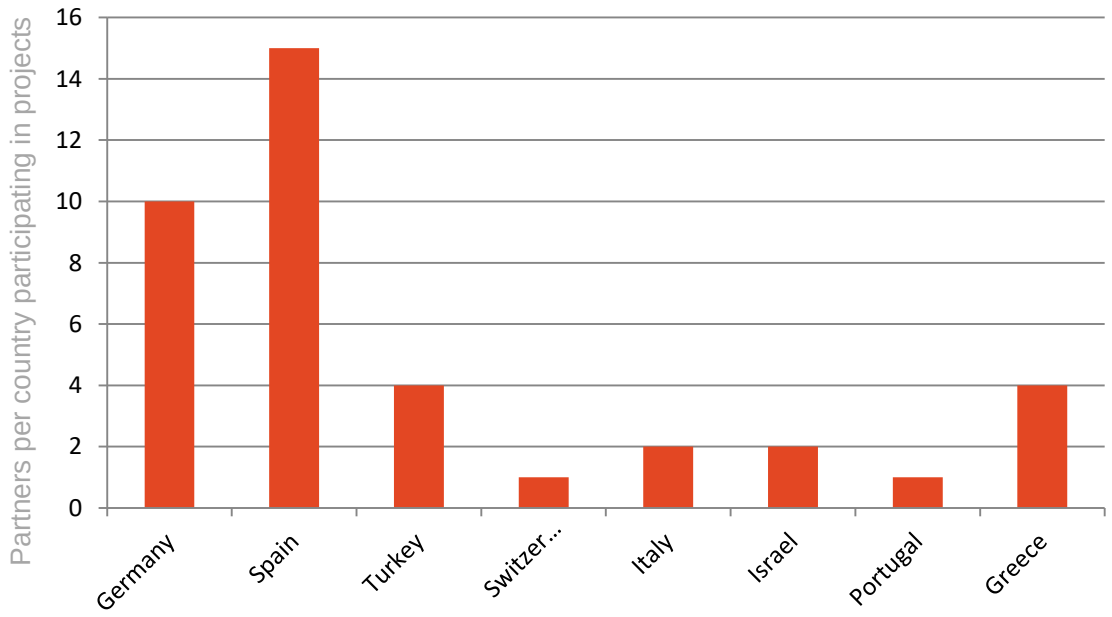
Requested Funding per FA and per Country





Results



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Funded Projects (I)

Parabolic trough with molten salts

European Parabolic Trough with Molten Salt (EuroPaTMoS)

Coordinator: Deutsches zentrum fuer Luft - und Raumfahrt EV

10 partners from:

Parabolic trough with silicone oil

SI-CO

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

Coordinator: ACCIONA INDUSTRIAL S.A.

8 partners from:

Thermal energy storage

InnoSolPower

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

Coordinator: Pars Makina Ltd. Research and Development

4 partners from:

2	Parabolic trough with molten salts
3	Parabolic trough with silicone oil

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Funded Projects (II)

Thermal energy storage

TES4Trig

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

TES4Trig aims at **unifying the strategies**

Coordinator: National Technical University of Athens

6 partners from:

Thermal energy storage

Newcline

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

Coordinator: Universitat Politècnica de Catalunya

5 partners from:

Thermal energy storage

CSPplus

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

Coordinator: University of Lleida

6 partners from:

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Additional Call (I)

Same topics as the Cofund 1st Call

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https://csp-eranet.eu/calls/1st

Additional Call (II)

CSP
Launch of joint call 2021
Public announ-cement
Sept 2021

CSP
Decision on projects to be funded
Legally binding confirmation of funding
Q2 2022

CSP
Start of funded projects
first transfers of instalments to projects
Q3 2022

CETP
Submission of CETP Proposal
Indication for 7 ys and for joint call 2022
Oct 2021 (as late)

CETP
Launch of joint call 2022
Public announ-cement
Q3 2022

CETP
Decision on projects to be funded
Legally binding confirmation of funding
Q2 2023

CETP
Start of funded projects
first transfers of instalments to projects
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Follow Us

Thank you!

Julio Marchamalo Amado – AEI-FECyT

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