



# **CSP ERANET**

Joint programming actions to foster innovative CSP solutions

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SOLAR AND CSP EXCHANGE OF EXPERIENCES WEBINAR – 28 SEPTEMBER 2023







#### What to expect?

- CSP ERANET Action
- Concentrated Solar Technologies EU targets
- Co-fund call for project proposals and results: 6 funded projects
- Additional call for project proposals and results: 4 funded project







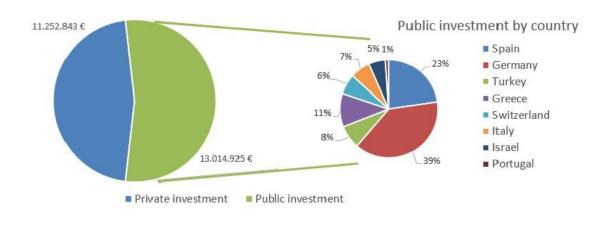
#### 1. CSP ERANET



June 2019



November 2024



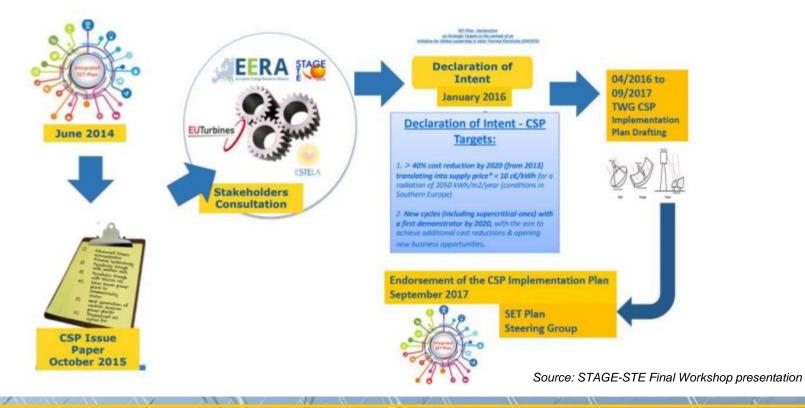
Expected investments by source and country of funding

To bridge the gap between research and commercial deployment in the CSP technology, so it can play a main role in the EU renewable electricity generation in a medium term.





#### Previous coordination efforts at EU level

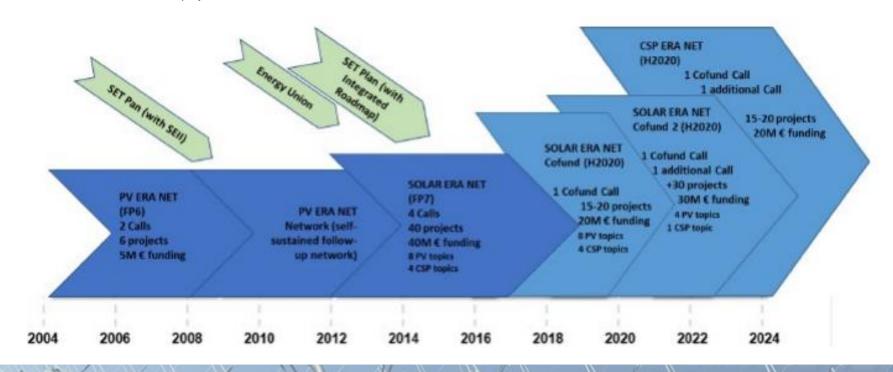






#### Previous coordination efforts at Project level

Source: SOLAR ERANET Cofund project







#### Strengths of the Consortium

- Strong and balanced members
- Common interest in CSP
- Committed to achieve results in the CSP technology field
- Common background in solar power (SOLAR ERANETs)
- Previous experience in launching joint calls

























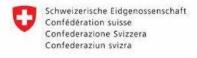












Swiss Federal Office of Energy SFOE







#### 2. Concentrated Solar Technologies EU targets

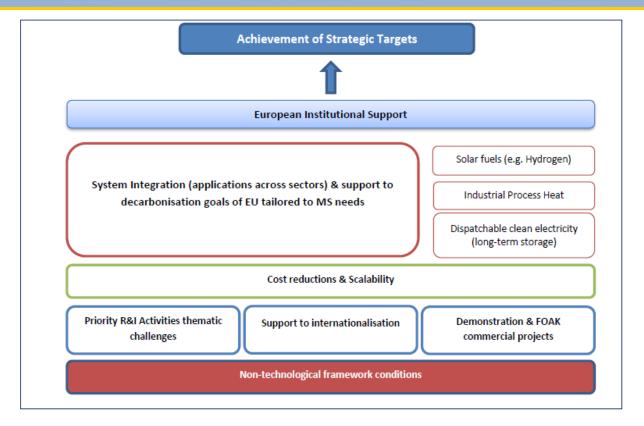


Implementation Plan updated in February 2023

- 1. Cost reduction of electricity below 15c€/kW by 2025
- 2. Development of the **next generation** of CSP/STE to increase the power plant efficiency by 2025
- 3. Integrate one **FOAK** in the enegry system by 2025
- 4. Cost of thermal energy for **industrial process heat** applications below 3c€/kWh by 2030
- 5. Demonstration of 24/7 economically viable of green hydrogen and other **solar fuels** by 2030







Updated Implementation Plan: Building blocks for the achievement of the Strategic Targets for CST





#### 3. First (co-fund) Call



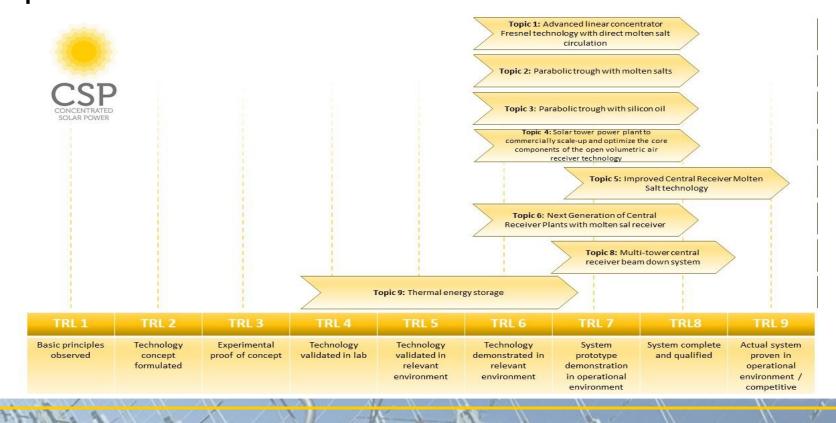
- POOL OF EXPERTS FOR EVALUATION
- Website in place and matchmaking tool
- Electronic Submission System (Monitoring)

- On-line support Seminars/Webinars/Events
- **Projects CAs**
- Coord national/ERANET own stages





#### Topics selected for the Calls







#### Projects approved for funding under the 1st Call



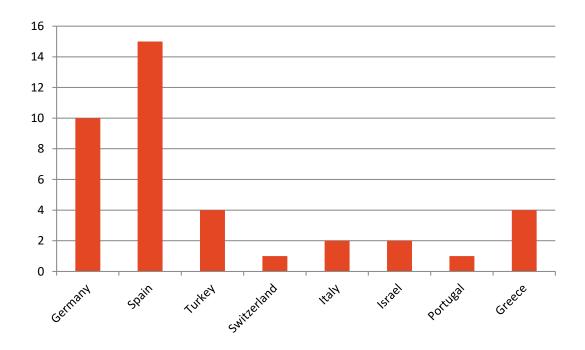








## Partners per country participating in projects

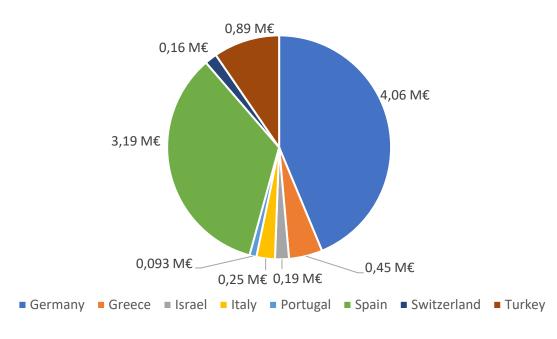






#### Funding per countries

Funding per country



- Total costs: 13,2 M€
- Total funding: 9,3 M€





#### 4. Second (additional) Call

#### **Proposal Project Ex-post Call launch** Call prep evaluation execution analysis Thematic areas Closing process Support to consortia Expert panels meetings GAs Stages and rules Ranking lists Q&A Final assessment Proposal submission **Evaluation procedures** Funding agencies decision Monitoring & updates Lessons learnt Q&A **Templates** Oct 2021 2025/2026 Dec 2021/March 2022 2022/2023

- ✓ Participating Funding Agencies are reduced
- ✓ Pool of Experts for Evaluation (Full-proposals)
- ✓ Electronic Submission System (Monitoring)

- ✓ On-line support Seminars/Webinars/Events
- ✓ Projects CAs
- ✓ Coord national/ERANET own stages





#### Projects approved for funding under the 2<sup>nd</sup> Call

**DISOPED** - Digital twin analysis of SOlar Parabolic trough collector plant to scale to higher powers for the integration into Electrical Distribution network

MIRAGE - Characterization and Optimization of High Reflectivity Mirrors for

Solar Towers

**ADVIAMOS** - Advancing Innovations in Molten Salt

**LEIA** - SoLar field mEasurements to Increase performAnce

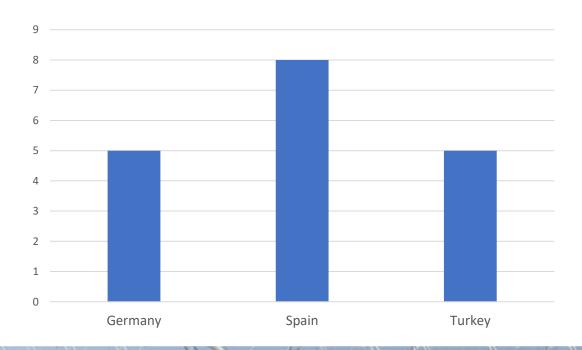








## Partners per country participating in projects

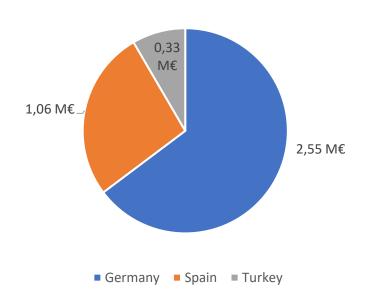






#### Funding per countries





- Total costs: **5,5 M€**
- Total funding: **3,9 M**€



# Thank you!

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