WEBINAR 2

MSA-Trough

A parabolic trough concentrator system for molten-salt application

MSA-Trough Webinar Series

Ecodesign concepts in CSP manufacturing for increased environmental and economic competitiveness – Insights from the MSA-Trough

7 July 2026, 10:00-11:30 CEST

MS Teams

Webinar Overview

The EU aims to strengthen its leadership in net-zero industries in line with its 2050 climate neutrality objectives. The Competitiveness Compass sets a path for the EU to become a market leader. Circular economy, life cycle thinking and resource efficiency strategies become crucial to improve both environmental and economic performance. The Horizon Europe project MSA-Trough[1] contributes to this ambition by developing innovative solutions with the aim to open a new era for Concentrating Solar Power (CSP). A major challenge for CSP technologies is to reduce costs and environmental impacts through smarter design choices, including lower material consumption, lighter and more durable components, and improved end-of-life recyclability.

Life Cycle Assessment (LCA) studies show that the manufacturing phase accounts for more than 60% of the overall environmental impacts of CSP plants. This webinar will therefore explore how eco-design concepts and technological innovation can support more sustainable and competitive CSP manufacturing pathways, drawing on insights from the MSA-Trough project.

The session will include interactive exchanges with participants and is open to researchers, engineers, manufacturers, policymakers and stakeholders interested in sustainable energy innovation.

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[1]"Development of a parabolic Trough concentrator system for Molten Salt Application", coordinated by the University of Evora and executed by seven European partners under CINEA funding over a 50-month period (October 2023 – November 2027).

Agenda

10:00 – 10:30	**MSA-Trough concept and objectives**	
10:00 – 10:10	Welcome and overview of the project	Diogo Canavarro, UEVORA, project coordinator
10:10 – 10:30	Introducing some key improvements brought by MSA-Trough compared to state-of-the-art	Martin Eickhoff, DLR Emanuela Menichetti, OME
10:30 – 11:15	**Roundtable discussion**	
	What have been the main challenges in terms of the collector design to adapt it to the MSA-Trough concept? *What type of eco-design concepts and tools have been applied to assess the sustainability of the system components?* *Can you disclose some of the assessed efficiency improvement and the cost reductions achieved?* *Which design and material innovations offer the greatest potential to reduce both environmental impacts and manufacturing costs in CSP systems?* *What would be your recommendations to improve the resiliency of the supply chain based on your experience so far?* Q&A and interaction with the audience	**Moderator:** Diogo Canavarro, UEVORA **Panelists:** Daniel Morales, FERRUM Martin Eickhoff, DLR Francisco Morales, RODAMA Dirk Krüger, DLR Emanuela Menichetti, OME
11:15 – 11:30	**Next steps and conclusions**	

Speakers

Diogo Canavarro

Project Coordinator

UEVORA

Martin Eickhoff

Scientific Staff Member

DLR

Daniel Morales

Industrial Designer

FERRUM

Emanuela Menichetti

RE & Electricity Division Director

OME

Francisco Morales

Industrial Electronics Engineer

RODAMA

Dirk Krüger

Scientific Staff Member

DLR

How to register

Please **register** to the event here

REGISTRATION

You are kindly invited to forward the invitation to all your colleagues who might be interested in participating at the event.

After registration, you'll receive a confirmation email and webinar access details.

Funded by the European Union

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MSA TROUGH

Thank you very much

& look forward to your participation

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www.msa-trough.eu

UNIVERSIDADE DE ÉVORA

Ferrum tecnoindustrial

DLR Deutsches Zentrum für Luft- und Raumfahrt German Aerospace Center

ENEA Italian National Agency for New Technologies, Energy and Sustainable Economic Development

ome Observatoire Méditerranéen de l'Energie

RODAMA