

MSA-Trough

Development of a parabolic Trough concentrator system for Molten Salt Application

MSA-Trough Webinar Series

Design of an innovative parabolic trough collector – the MSA-Trough concept



17 September 2024, 10h00-11h30 CEST



Online



No registration fees

Webinar Overview



The EU has the ambition to become a leading player in the net-zero industries of the future, in line with its carbon neutrality objectives to 2050. In order for concentrating solar power (CSP) to become a main component of the green energy technology revolution, a series of innovations must occur to increase its competitiveness and lead to market deployment.

The Horizon Europe Innovation Action project **MSA-Trough**¹ addresses some main technological challenges to deliver low cost, reliable, efficient and sustainable electricity. A novel concept based on parabolic trough technology using molten salts as heat transfer fluid and storage medium has been elaborated, which will be developed and tested at the Évora Molten Salt Platform in Portugal.

To increase knowledge exchange, exploit possible synergies, identify exploitation opportunities and ultimately lead to CSP market resurgence the MSA-Trough consortium is inaugurating a series of webinars to share research findings, discuss challenges and identified solutions, learn from other experiences and incorporate stakeholders feedbacks.

The first webinar will illustrate the main challenges addressed in the design of the innovative parabolic trough collector and explain the technological solutions adopted. Audience interaction tools will be used to ensure a transparent and constructive dialogue with the attendants. The event, free of charge, is addressed to scholars, engineers, industry manufacturers and any other stakeholders having a research interest in sustainability innovation and forward-thinking policy definition.

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 42-month period (October 2023 – March 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	MSA-Trough concept and expected contribution beyond state-of-the art	Martin Eickhoff, DLR

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 were the main issues discussed between the plant design engineers and the manufacturer?

Have you assessed the efficiency improvement and the cost reductions of such technological improvements?

What is their possible replicability and scalability? What are your plans, ideas for wider application?

Q&A and interaction with the audience through Slido

Moderator: Diogo Canavarro, UEVORA

Panelists:

Daniel Morales, FERRUM

Martin Eickhoff, DLR

Timo Zippler, SOLARLITE

Javier Molina, RODAMA

Dirk Krüger, DLR

11:15 – 11:30 Next steps and conclusions

Speakers



Diogo Canavarro

Project Coordinator

UEVORA



Martin Eickhoff

Scientific Staff Member

DLR



Daniel Morales

Industrial Designer

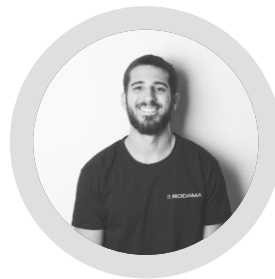
FERRUM



Timo Zippler

Project Engineer

SOLARLITE



Javier Molina

R&D Project Manager

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.

Further instructions will be sent in due time.



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the European Union

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Thank you very much & look forward to your participation

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