



# **“Exchange of Experiences” Webinar**

**Insights, outcomes and results  
from transnational projects  
supported under  
SOLAR-ERA.NET**

Wednesday, 6 October 2021  
9:15 – 13:00 CEST

## 1. Introduction

16 research and innovation projects have been supported under the umbrella of SOLAR-ERA.NET within the co-funded joint call launched in 2016 / 2017. The webinar presents the unique opportunity to share the outcomes, results and experiences from most of these highly innovative, transnational projects with the project participants and interested stakeholders from industry, research and policy.

The goals of this webinar are:

- To exchange and highlight results and benefits
- To learn about noteworthy dissemination & exploitation activities realised / foreseen
- To share experience and to identify critical / success factors for transnational projects in the ERA-NET (Cofund) scheme and future joint calls (added value, suggestions for improvements, etc.)

Target audience:

- Participants in transnational SOLAR-ERA.NET projects
- Representatives from SOLAR-ERA.NET funding agencies
- Persons and organisations from industry and research interested in transnational project collaboration in the area of solar power technologies

## 2. Programme

The **webinar** is composed of two plenary sessions and three parallel thematic workshops.

09:15 – 09:45	Plenary session: Introduction, instructions and insights		
09:45 – 11:45	Parallel thematic workshops		
	Workshop I: Innovative and low-cost PV manufacturing issues	Workshop II: Advanced PV products and applications	Workshop III: PV system integration + CSP cost reduction and system integration
11:45 – 12:00	<i>Break</i>		
12:00 – 13:00	Plenary session: Presentation and discussion of outcomes and issues identified Conclusions and next opportunities for transnational project ideas and consortia		

Each **parallel thematic workshop** is moderated by independent experts and representatives from funding agencies, introducing to the workshop and summarising its outcomes. The transnational project is presented by the project coordinator and / or other project participants during 15 minutes.

### Thematic workshop I: Innovative and low-cost PV manufacturing issues

Moderators: Bertrand Paviet-Salomon (CSEM), Renate Horbelt (PtJ representative)

<b>Roman Keding</b> Fraunhofer Institute for Solar Energy Systems (DE)	<b>PEarl</b> - PERC meets self-aligned selective emitter technologies based on inkjet printing and silver less plating
<b>Theodoros Dimopoulos</b> Austrian Institute of Technology GmbH - AIT (AT)	<b>NEXT-FOIL</b> - Next generation conductive solar foil for flexible photovoltaics
<b>Jonathan Booth &amp; Simon Johnson</b> Johnson Matthey Technology centre (UK)	<b>HEAVENLY</b> - High-efficiency PERT and IBC cell development focussing on paste and CVD optimization for longterm stability
<b>Ignacio Antón</b> Universidad Politécnica de Madrid (ES)	<b>ENMESH</b> - ENabling Micro-ConcEntrator PhotovoltaicS with Novel Interconnection MetHods
<b>Andreas Wolf</b> Fraunhofer ISE (DE)	<b>RHINO</b> - Realization of High efficiency Industrial N-type sOlar cells

### Thematic workshop II: Advanced PV products and applications

Moderators: Wilfried van Sark (Universiteit Utrecht), Anita Hipfinger (FFG representative)

<b>Veronique Gevaerts</b> TNO (NL)	<b>PanelPV</b> - Sandwich panels with integrated PV with freedom of size and color.
<b>Alejandro Perez Rodriguez</b> IREC - Catalonia Institute for Energy Research (ES)	<b>MasterPV</b> - Innovative manufacturing solutions for cost-efficient semitransparent BIPV
<b>Shokufeh Zamini</b> AIT Austrian Institute of Technology GmbH (AT)	<b>BI-FACE</b> - High-efficiency bifacial PV modules and systems for flat roof applications
<b>Roman Trattnig</b> Joanneum Research Materials (AT)	<b>Cover Power</b> - Smart glass coatings for innovative BiPV solutions
<b>Zbigniew Motyka</b> Główny Instytut Górnictwa (PL)	<b>CEFRABID</b> - Clean energy from road acoustic barriers infrastructure development
<b>Dieter Geyer</b> Zentrum für Sonnenenergie- und Wasserstoff-Forschung Baden Wuerttemberg (DE)	<b>NELL</b> - Novel encapsulant for long lifetime high voltage PID-resistant PV modules

**Thematic workshop III: PV system integration + CSP cost reduction and system integration**

Moderators: Hubert Fechner (TPPV Austria), Beatriz Gómez Miguel (AEI representative)

<b>Ulrike Grossner</b> ETH Zurich (CH)	<b>1500-SiC</b> - Develop a new photovoltaic inverter with SiC for full power operation at 1500 V
<b>Michalis Florides</b> University of Cyprus - Electrical and Computer Engineering (CY)	<b>ERIGENEIA</b> - Enabling rising penetration and added value of photovoltaic generation by implementation of advanced storage systems
<b>Christian Jung</b> DLR - Institute of Solar Research (DE)	<b>HyConSys</b> - Hydrogen control in solar thermal parabolic trough heat transfer fluid systems
<b>Oriol Gomis-Bellmunt &amp; Marc Cheah-Mané</b> Technical University of Catalonia (UPC) - CITCEA-UPC (ES)	<b>PVTOOL</b> - Development of tools for effective control of large PV power plants
<b>Alexandros Charalambides</b> Cyprus University of Technology (CY)	<b>Prognosis</b> - Intra-hour prediction of solar electricity generation from photovoltaics

**3. Organisation and registration**

For any required information regarding organisation of the webinar please get in touch with Julio Marchamalo and Irene Carlos through the following email: [era-energja@aei.gob.es](mailto:era-energja@aei.gob.es).

Please **register** to the webinar before 4 October 2021 via the following: [Registration link](#).

**Funding agencies and acknowledgement**



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