

Bringing research and industry closer: accelerating innovation and uptake of new technologies. Energy storage & Solar Photovoltaics

Date: Tuesday, 21 March 2023

Time: 09:00 - 13:00 CET

Location: KIT Campus Nord

Mode: Hybrid ([ZOOM link](#))

EERA through the strategic [SUPEERA project](#) supports the implementation of the SET Plan, integrating it at the same time into the broader context of the Clean Energy Transition. The project foresees several activities to facilitate the innovation and uptake by the industry. One of the adopted approaches has been an [analysis of the energy measures in the 27 National Energy and Climate Plans \(NECPs\)](#) aiming at reaching Member States' and EU's 2030 climate targets. This analysis resulted eventually in the identification of six common pathways (Wind energy, Energy System integration, Bioenergy, **Energy storage**, Hydrogen and **Solar Power**).

These common pathways will provide the basis for the recommendations on R&I priorities in support to the Clean Energy Transition goals across Europe and will serve as an input to improve cooperation between research and industry.

Following a series of introductory [webinars](#), and three physical workshops in the Netherlands, Italy and Spain, this workshop will take place in Karlsruhe, Germany and it will discuss research-industry cooperation practices and opportunities to accelerate innovation in the **Energy Storage** and **Solar Photovoltaics** technologies/sectors.

The purpose is to bring forward successful German implementation examples of the two selected pathways, and to explore their replication potential towards other regions/countries with similar priorities which would eventually trigger investments in low-carbon technologies. Part of the discussion will be dedicated to the role of the R&I in the EU strategies to respond to the current energy crisis.



Agenda

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| 09:00 | Welcome and greetings |
| 09:10 | Keynote speech <i>Walter Tromm, Scientific Spokesperson Energy Centre, KIT</i> |
| 09:20 | The SUPEERA project / The SET Plan as a tool for EU-wide collaboration on R&I priorities of low-carbon technologies <i>Ivan Matejak, SUPEERA coordinator, EERA</i> Presentation of two pathways: Energy Storage, Solar Photovoltaics <i>Maria Oksa, Senior Scientist - Project Manager, VTT - online</i> |
| 09:40 | Collaboration between research and industry: best practices, barriers and replicability potential |
| | Fundraising opportunities and innovation trends within the solar PV and energy storage area <i>Francesco Matteucci, Programme Manager, European Innovation Council</i> EERA Joint Programme Solar Photovoltaics <i>Ivan Gordon, EERA JP PV Coordinator, IMO-IMOMEC / Energyville</i> EERA Joint Programme Energy Storage <i>Myriam Gil Bardaji, JP Energy Storage Coordinator, KIT</i> Modular e-Fuel production – the story of the university spin-off INERATEC. <i>Tim Böltken, Founder and Managing Director, INERATEC GmbH</i> Collaboration examples between research and industry at Fraunhofer <i>Simon Philipps, Head of R&D Strategy, Fraunhofer Institute for Solar Energy Systems ISE (EERA JP PV Coordinator)</i> |
| | Panel discussion and Q&A <i>Moderator: Ivan Matejak, SUPEERA coordinator, EERA</i> |
| 11:10 | Coffee break |
| 11:30 | Cross-sectorial dialogue for system solutions towards the CET objectives |
| | Systemic and cross-sectorial issues pertaining to the Clean Energy Transition <i>Spyridon Pantelis, Project Manager, EERA</i> From lab to market - new bio-inspired coatings for solar modules <i>Ruben Hünig, Co-Founder and CEO, Phytonics (energy efficiency)</i> Grid integration with Energy Storage System through OpenEMS <i>Sagar Venu, Software Engineer, Fenecon (energy system integration)</i> Engagement of solar PV industry and research at SolarPower Europe <i>Catarina Augusto, Senior Technical Advisor at SolarPower Europe (policy & international cooperation) - online</i> EU cooperation - The FLORES network <i>Peter Fischer, Head of Redox Flow battery and stationary storage group, Fraunhofer ICT (international cooperation)</i> |
| | Panel discussion and Q&A <i>Moderator: Spyridon Pantelis, Project Manager, EERA</i> |
| 13:00 | Lunch break |



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