

November 2024

SERENDI-PV

Concludes with Final Event Showcasing Innovations in Solar Energy

After years of dedication and groundbreaking research, the SERENDI-PV project has successfully concluded, addressing two critical challenges facing the photovoltaic (PV) industry: reducing the Levelized Cost of Energy (LCoE) for PV and advancing the integration of PV power into power networks, even at high penetration levels.

SERENDI-PV focused on advancing PV systems and their seamless integration into the power grid. The project's achievements include innovations aimed at enhancing the lifetime, reliability, performance, and profitability of PV systems while ensuring the grid's stability as PV penetration increases.

The final event, attended by industry leaders, researchers, and policymakers, featured insightful presentations that showcased key findings and practical solutions developed over the course of the project. Highlights included:

- “Why is Detail Important: How to Filter Erroneous PV Measurements to Retain Enough Data for Analysis” by Solargis – A session emphasizing the need for data accuracy in PV measurement, exploring methods to improve data filtering for reliable analysis.
- “Advanced Quality Assurance Procedures for the New PV Plant Generation” by Qualifying Photovoltaics – An exploration of advanced quality control practices tailored to the next generation of PV plants.
- “Estimating and Visualizing Flexibility of PV Plants in Low Voltage Grids” by Technische Hochschule Ulm – A look into strategies for effective PV grid integration, focusing on flexibility within low voltage networks.
- “Collaborative Modelling & Monitoring Platform” by WIP Renewable Energies on behalf of LuciSun – A showcase of collaboration tools designed to enhance PV monitoring and foster cross-industry partnerships.



This closing event fostered vibrant discussions among a diverse audience, underscoring the importance of collaboration and innovation in meeting the future demands of the photovoltaic industry.

The results of the SERENDI-PV project promise lasting impact, supporting sustainable, resilient, and cost-effective energy solutions worldwide.

The consortium expresses gratitude to all partners and stakeholders who contributed to the project's success.