

16th SOPHIA Workshop on PV Reliability

April 23rd – 24th, 2026 INES – National Institute for Solar Energy, Le Bourget-du-Lac, France

Building on a legacy of excellence, the SOPHIA PV Reliability Workshop returns for its **16th edition** – now hosted at the forefront of solar innovation in France. Join leading researchers, industry experts, and reliability engineers to explore the next generation of PV reliability, where **technology, data, and real-world challenges converge**.

This year's workshop will dive deep into the most pressing topics shaping the future of PV :

- ⦿ **Performance certification of PV modules:** Navigating new technologies, new standards, and new challenges.
- ⦿ **Data-driven optimization of PV systems reliability:** Harnessing digitalization, AI, and smart analytics for predictive performance.
- ⦿ **Climate- and application-specific challenges in PV reliability:** a two-part deep dive into how environment and use-case define PV reliability needs.
- ⦿ **Reliability of PV modules for medium voltage applications:** Innovations and risks in next-generation grid-scale PV.



Why Attend?

- ⦿ **Actionable Insights:** From new standards to field strategies – practical takeaways on emerging PV reliability topics.
- ⦿ **Network with Experts:** Join academia, labs, manufacturers, and operators in focused dialogue.
- ⦿ **Hosted at CEA INES:** France's leading solar institute, with a legacy of European PV research leadership.
- ⦿ **Inspiring Setting:** Exchange ideas surrounded by the natural beauty of Alpine foothills and Lake Bourget – inspiration meets PV innovation.

Registrations and detailed agenda : **coming soon**

Host and co-organizer:



Organizer:

