



International Energy Agency  
Photovoltaic Power Systems Programme

## TASK 13

Reliability and Performance of PV Systems



# WORKSHOP

**Testing PV for every environment:  
Adapting accelerated test protocols  
to application diversification**

**23  
April  
2026**

**CEA-INES  
(France)  
&  
Virtual**

## ABOUT THE WORKSHOP

The workshop aims to provide the latest developments in PV reliability with a special focus on adapting accelerated test protocols to increasingly diverse application environments. It will explore how qualification procedures can better reflect real-world stress factors, enable early detection of failure mechanisms, and ensure long-term durability and performance of PV modules across a wide range of operating conditions.

**More information:**  
[www.iea-pvps.org/events](http://www.iea-pvps.org/events)

## AGENDA HIGHLIGHTS

- How can accelerated testing methods be adapted to reflect new PV applications and stress factors more realistically?
- Which methods enable early detection of failure mechanisms to improve long-term PV module reliability and performance?
- How can qualification procedures be optimised to enhance durability, bankability, and efficiency across diverse PV application environments and operating conditions?

**🕒 Thursday, 23 April 2026  
17:15 - 18:15 (CEST)**

**🔒 Register here for virtual attendance:  
[www.iea-pvps.org/sophia/](http://www.iea-pvps.org/sophia/)**

**📍 SOPHIA Workshop, CEA-INES,  
Le Bourget-du-Lac (France)  
23 & 24 April 2026**

**Register here for in person attendance:  
[short-url.org/1pDzC](http://short-url.org/1pDzC)**



## What is IEA PVPS?

Established in 1993, the Photovoltaic Power Systems programme is one of the **Technology Collaboration Programmes (TCPs)** within the International Energy Agency.

### Members:

29 countries and 2 organisations



For more information on IEA PVPS,  
please visit our website:  
[www.iea-pvps.org](http://www.iea-pvps.org)

## Our mission is...

” ..to enhance the international collaborative efforts which pave the way for photovoltaic solar energy as a key player in the transition to sustainable energy systems and a main contributor to meeting GHG Targets.

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## TASK 13 | Reliability and Performance of PV Systems

### Our objective is...

... to provide a common platform to summarise and report on technical aspects affecting the quality, performance, and reliability of PV modules and systems across various environments and applications

### Key aims of Task 13:

- **Information Gathering:** collect the most current information from member countries and summarise different practices and experiences with various PV technologies and system designs
- **Data Collection:** gather measured data from PV systems worldwide to test and compare data analysis methods for PV degradation, operation & monitoring (O&M), performance, and yield estimation etc.
- **Stakeholder Communication:** technical reports, workshops, webinars, scientific papers at conferences and in journals

