Research Center for Photovoltaics

国際連携活動報告: IEA PVPS Task 13 Performance, Operation and Reliability of Photovoltaic Systems [°]棚橋 紀悟¹, Boris Farnung², Ulrike Jahn³

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The International Energy Agency (IEA): Photovoltaic Power Systems Programme (PVPS)

		IEA INTERNATIONAL ENERGY AGENCY	IEA INTERNATIONAL ENERGY AGENCY
PHOTOVOLTAIC POWER SYSTEMS PROGRAMME	PHOTOVOLTAIC POWER SYSTEMS PROGRAMME	PHOTOVOLTAIC POWER SYSTEMS PROGRAMME	PHOTOVOLTAIC POWER SYSTEMS PROGRAMME
The IEA PVPS	The IEA PVPS Programme	IEA PVPS is	IEA PVPS Tasks
Mission Statement	 The IEA Photovoltaic Power Systems Programme (PVPS) is one of the Technology Collaboration Programmes established within the IEA in 1993. 	 A global reference on PV for policy and industry decision makers 	 Task 1 - Exchange and dissemination of information on PV power systems
To enhance the international col-	 Global network of expertise, Independent, objective, neutral 32 members: 27 countries, European Commission, SolarPower, 	 A global network of expertise for information exchange and analysis 	 Task 9 - Deployment of PV technologies: co-operation with developing countries
laborative efforts which facilitate	 SEPA, SEIA, Copper Alliance Activities are carried out collaboratively on a country basis along 	An impartial and reliable source of information	 Task 12 - PV environmental, health & safety activities Task 13 - PV performance, operation and reliability



Monitoring Operation

& Maintenance

http://iea-pvps.org/index.php?id=57

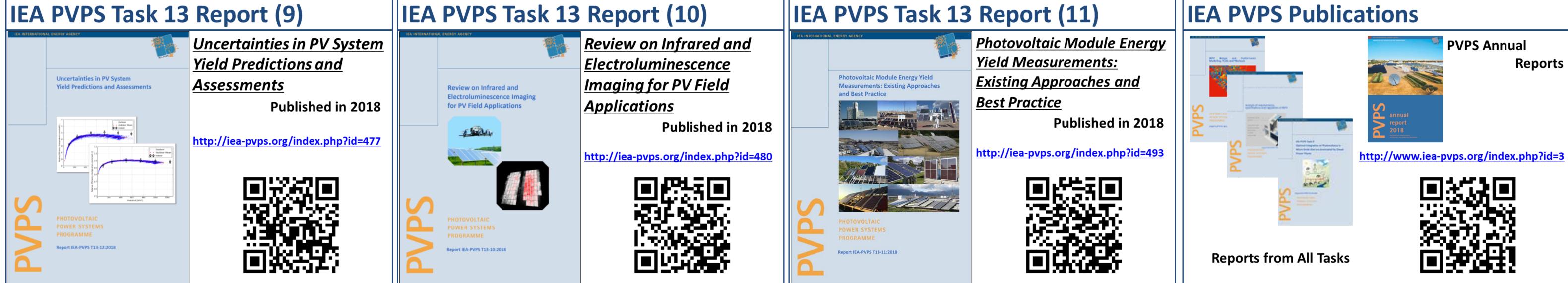
IEA PVPS Task 13:Performance, Operation and Reliability of Photovoltaic Systems

Performance and reliability of PV modules and systems are key topics that are attracting more and more photovoltaic power systems programme attention from various stakeholders every day. Recently, it also comes in combination with the terms of quality The IEA PVPS Task 13 Structure and sustainability. Task 13 has so far managed to create the right framework for the calculations of various 2018 - 2021 parameters that can give an indication of quality of PV components and system as a whole. The framework is Subtask 1: New Module Concepts and System Designs now there and can be used by the industry who has expressed in many ways appreciation towards the results Subtask 2: Performance of Photoincluded in the high-quality reports. voltaic Systems

Task 13 aims at supporting market actors to improve the operation, the reliability and the quality of PV Subtask 3: components and systems. Operational data of PV systems in different climate zones compiled within the Subtask 4: Dissemination project will allow conclusions on the reliability and on yield estimations. Furthermore, the qualification and lifetime characteristics of PV components and systems shall be analyzed, and technological trends identified.

IEA PVPS Task 13 Activities (All Documents can be Freely Downloaded.)





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