

The Solar Photovoltaic Research Infrastructure Project

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A unique entry point to 48 research infrastructures for strengthening the European scientific excellence

8 topics are addressed :

- Silicon material
- Thin films and TCOs
- Organic PV
- Modelling
- CPV
- BIPV
- PV Module lifetime
- PV module and system performance

TransNational Access Activities

Free access is provided to the 48 research infrastructures. Application of research proposals has to be submitted online, through periodic calls.

Networking activities

They aim at :

- Defining and sharing common objectives over the future of PV research,
- Organising expert committees to define common procedures for testing and characterising PV materials, modules and systems,
- Performing training and exchange activities for all European scientists such as summer universities, and staff exchange.

Joint Research Activities

They are organised in order to improve and optimise the services provided by the research infrastructures .

Our work is focused on four topics :

- JRA 1: Quicker lifetime prediction of PV modules though accelerated ageing tests and improved failure analysis procedures
- JRA 2: Greater accuracy of rated power and energy output prediction of PV modules & systems
- JRA 3: Improved Material characterisation procedures dedicated to:
 - silicon material,
 - thin films and TCOs,
 - and organic solar cells
- JRA 4: Improvement and validation of software infrastructure for material, cell, module and system modelling



- 1 Who can apply ? Belong to an institution of an EU member state
- 2 Where to apply ? Must work outside of home institution's country within the EU
- 3 Knowledge Dissemination : User groups are obliged to share information from Sophia access and benefit European PV community

- To get you own PV research infrastructure listed,
- To make an application,
- For any other details, please refer to the website: www.sophia-ri.eu

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