

After CHEETAH The way forward

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www.eera-set.eu



EERA is an official part of
the EU SET-Plan.

<http://setis.ec.europa.eu/>



The CHEETAH project is finished – What is next?

- Some history: the CHEETAH project resulted from an initiative of the PV joint program of EERA



Infrastructure project:
2012-2015



IRP project: 2014-2017

What is EERA?

- European Energy Research Alliance
- An alliance of more than 200 European public research centers and universities.
- Mission: Coordinating energy research for a low carbon Europe
- One of the cornerstones of the European Strategic Energy Technology Plan (SET-Plan).
- 17 Joint Programs on e.g. Photovoltaics, Wind, CSP, geothermal, Energy Storage, ...

Goal and composition of JP PV

Goals:

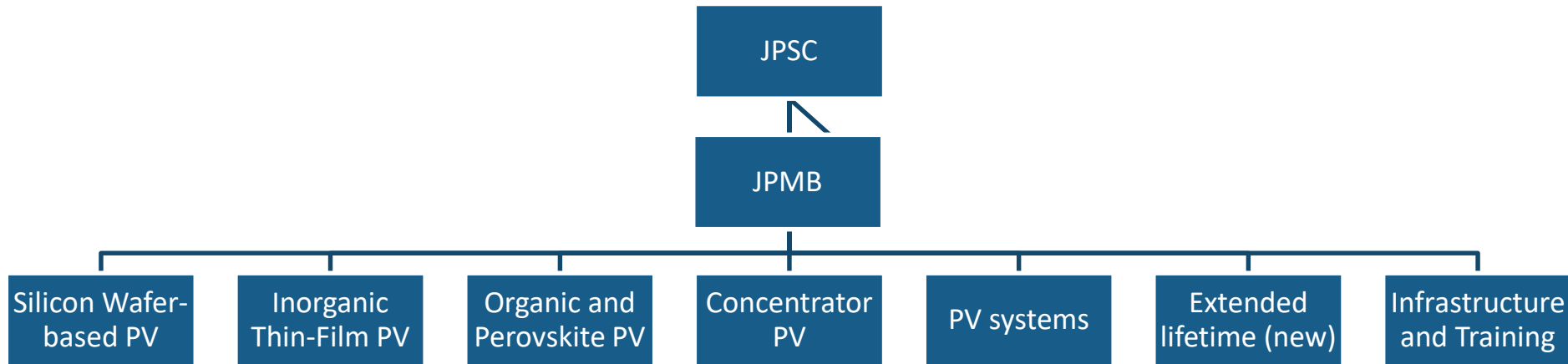
- To contribute to a large extent to the R&D needs of the European Solar industry regarding the cost reduction of PV systems and solar electricity.
- To increase the effectiveness and efficiency of PV R&D through alignment and joint programming of R&D of its member institutes.

Current membership:

- 32 Full Partners
- 10 Associated Partners



JP-PV structure



Management Board: 2 JPCs + 7 SP leaders

■ Since January 2016, the joint program is led by 2 coordinators:

- Simon Philipps (Fraunhofer ISE)
- Ivan Gordon (IMEC)



Main Research Topics

- Increase energy conversion efficiency of modules and systems
- Reduce the manufacturing cost of modules and systems
- Increase throughput of manufacturing
- Increase module lifetime to >35 years
- Development of Building-Integrated PV (BIPV) modules
- Improved sustainability, e.g. recycling of panels

SOPHIA and CHEETAH projects

- These projects allowed EERA-PV to establish itself and function properly:
 - Networking activities allowed us to establish close collaboration ties between partners and to come to common roadmaps
 - Joint Research activities allowed us to execute parts of the common roadmaps
 - Transnational Access activities allowed us to set up mobility schemes and share best practices



Towards a new funded project for EERA PV

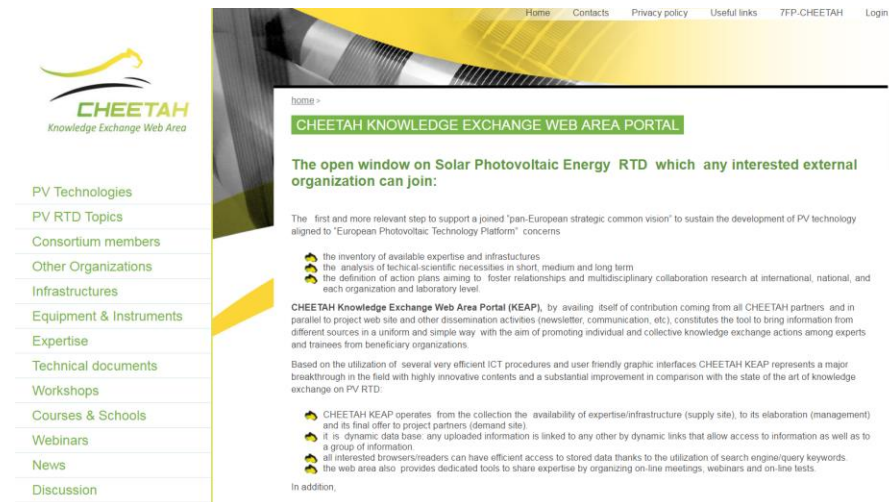
- To continue operating properly, EERA-PV needs a new funded H2020 project
- We will build on the achievements in SOPHIA and CHEETAH and ensure that these achievements are not lost
- There are some new opportunities in the H2020 2018-2019 calls recently published
- An initiative has been started by the JP management board to obtain a new EERA-PV funded project

CHEETAH will continue to live on

■ Cheetah Knowledge Exchange Portal will be continued by EERA-PV and further extended

■ Webinars will be continued

■ Workshops will be organized by EERA-PV



The screenshot shows the Cheetah Knowledge Exchange Web Area Portal website. The header includes navigation links: Home, Contacts, Privacy policy, Useful links, 7FP-CHEETAH, and Login. The main content area features the Cheetah logo and a list of menu items: PV Technologies, PV RTD Topics, Consortium members, Other Organizations, Infrastructures, Equipment & Instruments, Expertise, Technical documents, Workshops, Courses & Schools, Webinars, News, and Discussion. The main text area contains the following information:

CHEETAH KNOWLEDGE EXCHANGE WEB AREA PORTAL

The open window on Solar Photovoltaic Energy RTD which any interested external organization can join:

The first and more relevant step to support a joined "pan-European strategic common vision" to sustain the development of PV technology aligned to "European Photovoltaic Technology Platform" concerns

- the inventory of available expertise and infrastructures
- the analysis of technical-scientific necessities in short, medium and long term
- the definition of action plans aiming to foster relationships and multidisciplinary collaboration research at international, national, and each organization and laboratory level.

CHEETAH Knowledge Exchange Web Area Portal (KEAP), by availing itself of contribution coming from all CHEETAH partners and in parallel to project web site and other dissemination activities (newsletter, communication, etc), constitutes the tool to bring information from different sources in a uniform and simple way with the aim of promoting individual and collective knowledge exchange actions among experts and trainees from beneficiary organizations.

Based on the utilization of several very efficient ICT procedures and user friendly graphic interfaces CHEETAH KEAP represents a major breakthrough in the field with highly innovative contents and a substantial improvement in comparison with the state of the art of knowledge exchange on PV RTD.

- CHEETAH KEAP operates from the collection the availability of expertise/infrastructure (supply site), to its elaboration (management) and its final offer to project partners (demand site)
- it is dynamic data base: any uploaded information is linked to any other by dynamic links that allow access to information as well as to a group of information
- all interested browsers/readers can have efficient access to stored data thanks to the utilization of search engine/query keywords
- the web area also provides dedicated tools to share expertise by organizing on-line meetings, webinars and on-line tests

In addition,

Conclusions

- The CHEETAH project was very important for the working of EERA-PV
- Many of the networking activities and networking tools created by CHEETAH will be continued within EERA-PV
- A new H2020 follow-up project for CHEETAH is being set-up by EERA-PV

