



A short introduction to IEA-PVPS

Hubert Fechner, IEA-PVPS Deputy chair

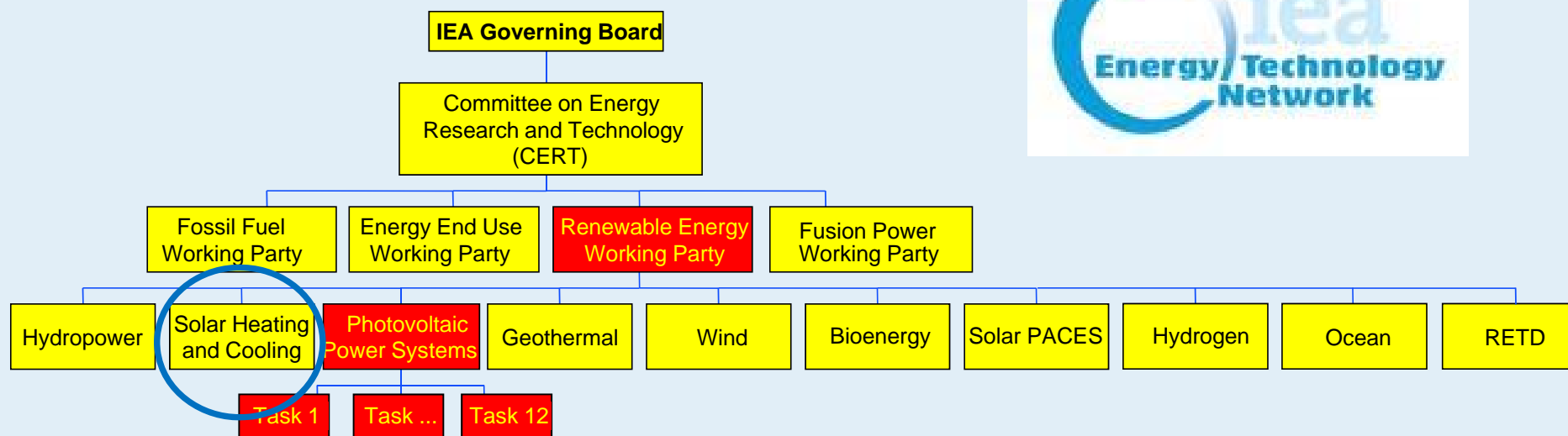
Austrian Member of the Executive Committee

fechner@technikum-wien.at

www.iea-pvps.org



IEA organisation structure





IEA SHC || Task 16 - Internet Explorer

http://task16.iea-shc.org/ IEA SHC || Task 16

MEMBER LOGIN SEARCH



About

Publications

Photovoltaics in Buildings

Before there can be extensive use of photovoltaics in the building sector, not only must the cost of PV system be reduced, but there needs to be a better understanding of how to effectively integrate photovoltaics into the building, from both an engineering and architectural standpoint.

Task Information

DURATION

Juni 1990 — Juni 1995

OPERATING AGENT

GERMANY

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IEA Photovoltaic Power Systems Programme (PVPS)

Established in 1993,
28 countries participating
Currently 7 active projects (“tasks”),
several short term activities



IEA PVPS – Participating countries & Associations

Australia, Austria, Belgium, Canada, China, Denmark, EPIA, European Union, France, Germany, International Copper Association, Israel, Italy, Japan, Korea, Malaysia, Mexico, Netherlands, Norway, Portugal, SEIA, SEPA, Spain, Sweden, Switzerland, Turkey, United Kingdom, United States

Applicants: India, Thailand, ECOWAS

PVPS





On-going IEA PVPS Tasks

- Task 1 – Strategic PV Analysis and outreach
- Task 8 - Very large scale PV power generation systems
- Task 9 - Deployment of PV technologies: co-operation with developing countries
- Task 11 - PV hybrid systems within mini-grids
- Task 12 - PV environmental, health & safety activities
- Task 13 - PV performance, quality and reliability
- Task 14 - High-penetration of PV systems in electricity grids
- Task 15 – Building integrated PV (planned)



IEA PVPS-Strategy Process 2012

Proposed future topics...

- PV in the whole energy system – role, issues and solutions
- BIPV (building integrated PV)
- Solar communities
- Future PV business models
- Policy evolution – towards sustainable PV markets
- ...further topics



Possible links to IEA SHC Task 53

- Task 1 PV Strategies – **OA: G. Masson, PVPS**
 - Self consumption
 - Business Models for utilities (in comb. with heat pumps, cooling)
- Task 9 Energy Services for developing countries, **OA: IED, France**
- Task 12 Life Cycle Analysis, ... **OA: NREL, USA**
- Task 13 Performance Database high quality data of about 500 monitored PV plants adapted to various applications **OA: TÜV, Germany**
- Task 14 High penetration in grids – **OA: AIT, Austria**
 - Forecasting models
 - DSM, Self consumption, Home automation, „grid friendly“ Systems
 - Regular workshops with grid operators aside the Task-Meetings
- Task 15 Building Integration of PV **OA: NL**



How to foster Collaboration?

- Task Liaison-Officers
- Joint Task Meetings
- Meetings at same place & time
- Joint Workshops at Conferences
- Preferable: Based on expert-level not (only) formally