Press Release

International Energy Agency Photovoltaic Power System Programme (IEA PVPS) publishes New Reports on PV Environmental, Health and Safety (E,H&S) and on BIPV R&D facilities.

International Energy Agency PVPS programme (IEA PVPS) is proud to announce the publication of three new reports focusing on PV Environmental, Health and Safety (E,H&S) Activities (Task 12) and on the Enabling Framework for the Acceleration of BIPV (Task 15) in April, 2018.

The Task 12 reports are published to facilitate a common understanding of E,H&S issues among the various country-members and to disseminate the Task-group's knowledge and understanding to stakeholders and to the energy and environmental policy decision makers.

The Task 15 report is based on a value added approach in which BIPV is not only related to PV (covering energy, environmental, and PR aspects) but as well to the building as a whole and to the building industry (covering aesthetics, building energy performance, and multi-functionality of the building envelope).

Water Footprint of European Rooftop Photovoltaic Electricity based on Regionalised Life Cycle Inventories (Task 12)
The availability of water varies strongly between different countries and regions. Since the production of PV modules often occurs in a distant location from the PV system's place of installation, it is important to account for the differences in water availability.
This study aims to assess the water consumption of electricity generated with monocrystalline silicon (mono-Si) and cadmium telluride (CdTe) PV systems over the whole life cycle.

Download the full report here: http://www.iea-pvps.org/index.php?id=462

Life Cycle Assessment of Current Photovoltaic Module Recycling (Task 12)
This report deals with the approaches, the environmental impacts and the recovered materials of PV module recycling. In this report, the environmental life cycle assessment of the current generation recycling of crystalline silicon (c-Si) and cadmium telluride (CdTe) PV modules is described.

Download the full report here: http://www.iea-pvps.org/index.php?id=461

End-of-Life Management of Photovoltaic Panels (Task 12)
Managing end-of-life PV modules to recover valuable materials that can displace virgin ones is an important step toward meeting the challenge of sustainability.
This report aims to provide an international survey of trends related to the development of PV module recycling technology from the perspective of both the private and public sectors.

Download the full report here: http://www.iea-pvps.org/index.php?id=459

Life Cycle Inventory of Current Photovoltaic Module Recycling Processes in Europe (Task 12)
This study fills a gap in publicly available data regarding the LCI of c-Si module recycling, which can then be used to evaluate full life cycle impacts of PV technologies using internationally accepted life cycle assessment (LCA) methods.

Download the full report here: http://www.iea-pvps.org/index.php?id=460

BIPV Research Teams & BIPV R&D Facilities, An International Mapping (Task 15)
This first Task 15 report presents the latest state of the art on BIPV testing facilities, providing relevant input for BIPV developers on site selection for their BIPV product development and testing, and increasing the collaboration and international agreement on BIPV testing procedures.
The international collaboration is embedded in a proceeding activity of a round robin BIPV test bench testing.

Download the full report here: http://www.iea-pvps.org/index.php?id=458

About the IEA PVPS Task 12

Task 12 was established in 2010 within the IEA PVPS Programme in order to foster international collaboration in the areas of safety and sustainability which are crucial for allowing PV to grow to levels enabling a major contribution in the needs of the member countries and the world. The Task is co-managed by National Renewable Energy Laboratory and the Solar Power Europe.

About the IEA PVPS Task 15

Task 15 was established in 2010 within the IEA PVPS Programme in order to create an enabling framework to accelerate the penetration of BIPV products in the global market of renewables, resulting in an equal playing field for BIPV products, BAPV products and regular building envelope components, respecting mandatory issues, aesthetic issues, reliability and financial issues. The Task is managed by Zuyd University in Applied Sciences.

About IEA PVPS

The IEA Photovoltaic Power Systems Programme (IEA PVPS) is one of the collaborative R&D Agreements established within the IEA and, since its establishment in 1993, the PVPS participants have been conducting a variety of joint projects in the application of photovoltaic conversion of solar energy into electricity. The 32 PVPS members are: Australia, Austria, Belgium, Canada, Chile, China, Denmark, European Union, Finland, France, Germany, International Copper Alliance, Israel, Italy, Japan, Korea, Malaysia, Mexico, Morocco, Netherlands, Norway, Portugal, SEIA, SEPA, SolarPower Europe, South Africa, Spain, Sweden, Switzerland, Thailand, Turkey, and the United States.

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