

Setting the scene why this conference?

Marko Topic and Silke Krawietz on behalf of the Steering Committee

EU PVTP Conference RIBA, London, UK, 8 July 2015



PV in a period of transition

FROM:

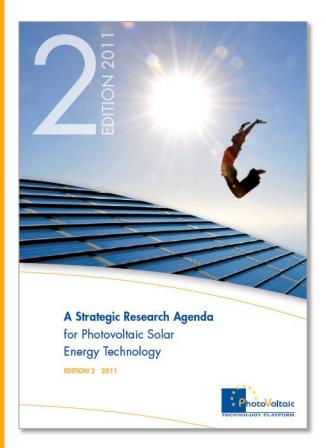
- Technology-driven developments
- Incentive-driven markets
- Small contributions to the energy system
- Growth limited primarily by generation cost, not by integration
- Strong position of Europe over the entire value chain

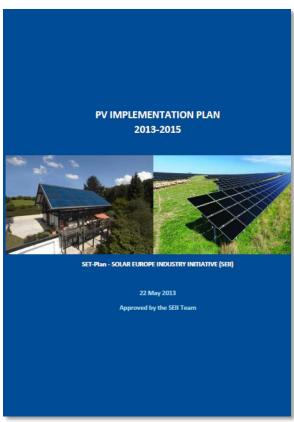
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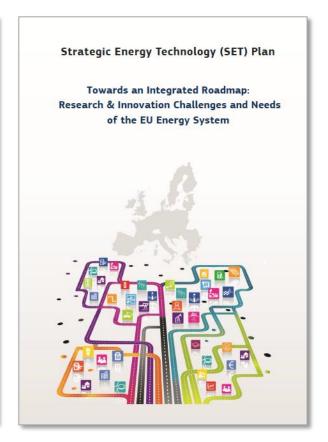
- Market- and application-driven developments
- Self-sustained commercial markets within a sustainable market design
- Major contributions to the energy system
- Growth limited primarily by integration, not by generation cost
- Fierce global competition; Europe's position continuously challenged



Addressing the challenge: recent documents

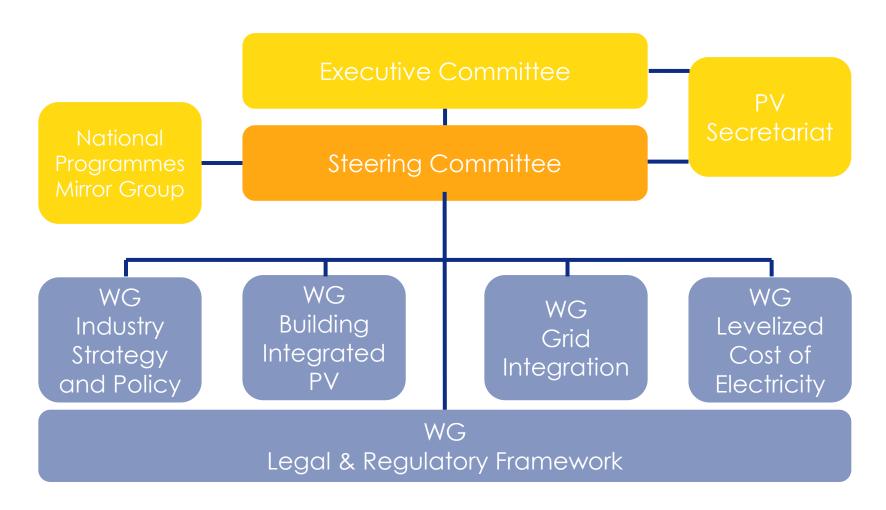






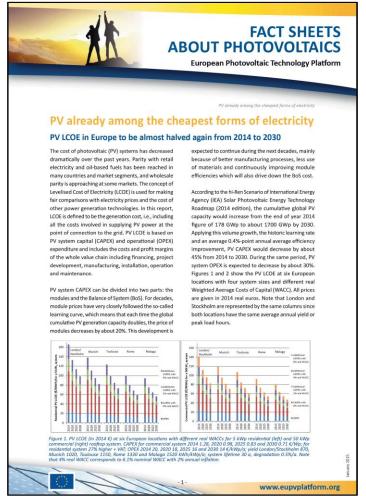


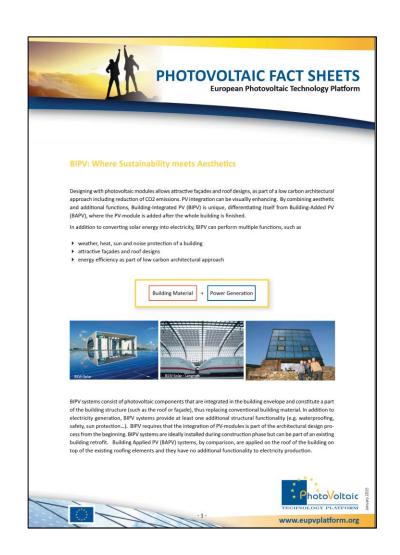
Organigram of EU PV TP





Fact Sheets - LCOE and BIPV









Where sustainability meets aesthetics

Energy efficiency in buildings and Building-Integrated Photovoltaics (BIPV)

One-day conference 8 July 2015 ● Royal Institute of British Architects, London



EU PVTP ad hoc Working Group BIPV

Silke Krawietz, Chair BIPV group / EU PVTP Jef Poortmans, Co-Chair BIPV group / EU PVTP



Structure of the BIPV group

BIPV group and objectives

- The aim of the workgroup is to define more clearly status, needs and benefits of BIPV and to translate these into well-defined R&D-objectives.
- BIPV offers numerous new opportunities for a European-based industry and service deployment, supported by the ambitious targets of the European Union in relation to the energy efficiency of buildings.
 - Collaboration with the building industry is essential.
- Multidisciplinary composition of the various subgroups:
 - 1) Regulatory EU framework, specifications and Building codes
 - 2) Cost targets and competitiveness
 - 3) Design & Innovation / R&D Challenges



Why this conference?

- Energy Union and SET Plan: Energy Efficiency and Renewable Energy are core issues
- 2. European regulations for Nearly Zero Energy Buildings (NZEB) and future Plus Energy Buildings (PEB)
- 3. BIPV is an important element in combination with energy efficiency in buildings
- 4. BIPV offers great opportunities for design and innovation
- Explore the needs and visions of architects, building industry, developers and designers in collaboration with the PV and BIPV industry



Programme outline

Session 1:

The opportunities offered by energy efficient, PV-equipped buildings

Keynotes from leading architects, engineers and industry representatives

Session 2:

A shared vision? Boosting the market for energy plus buildings with BIPV solutions

Interdisciplinary **panel discussion** where investors, architects, developers and representatives from the construction and BIPV industries compare their needs. Can those needs be met simultaneously at the right price?

Session 3:

The way ahead: collaboration to build beautiful PV-equipped buildings

What might be the ways in which architects, builders and PV technology suppieres work more closely together?



Panel discussion 'Enhancing the BIPV market and the future energy plus buildings'

Objective: Interdisciplinary discussion where investors, architects, developers and representatives from the construction and BIPV industries compare their **needs**. Can those needs be met simultaneously at the right price?

Overarching question: What are the vision and the needs of architects, engineers and developers as regards BIPV and how can BIPV products and services meet the architects' and building industry's expectations?

→ Position paper summarizing the results



Thank you for your attention

Enjoy the conference!