

ETIP PV Secretariat



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## QUALITY AND SUSTAINABILITY OF PV SYSTEMS CONFERENCE

3 May 2018

• BIP, Rue Royale 2-4, 1000 Brussels, Belgium •

**08:30 REGISTRATION**

**09:00 CONFERENCE OPENING**

*Marko Topič, ETIP PV Chairman*

### SESSION I: Quality in solar PV: what can we learn from other EU and Global Initiatives?

**Chair:** *David Moser, EURAC Research and ETIP PV Steering Committee member*

**09:10 Boosting Solar PV Market – The role of Quality Infrastructure**

*Francisco Boshell, IRENA*

**09:30 PV QAT – A Global effort to craft quality and reliability standards**

*Ingrid Repins, NREL*

**09:45 Understanding PV failures and improving quality at manufacturing level**

*Eric Ast, SOLARUNITED*

**10:00 Performance and Reliability of PV modules and systems – an IEA PVPS perspective**

*Ulrike Jahn, TUV Rheinland*

**10:15 Q&A**

**10:30 COFFEE BREAK**

### SESSION II: Does quality have an impact on bankability?

**11:00 Panel discussion**

**Moderator:** *Gaëtan Masson, ETIP PV Vice-Chairman*

*Torsten Heidemann, Nordbank*

*Francesco Girardi, Bluefield*

*Corinne Benderski, S&P Global Ratings*

*Matthew Merfert, EMEA, Firstsolar*

*Jan Muller, Solarcentury*

*Ja-Willem Hoogenboezem, Aon Risk Solutions*

**11:45 – 13:15 LUNCH**

**12:45 – 13:15 POSTER SESSION**

## SESSION III: Ecodesign, Ecolabeling and Green Procurement Policies – enabling more Sustainable Photovoltaics?

**Chair:** *Andreas Wade, FirstSolar and ETIP PV Steering Committee member*

**13:15 Current Status of the joint preparatory study on Eco-Design, Eco-Labeling, Energy Labeling and Green Public Procurement of photovoltaic panels, inverters and PV systems**

*Nieves Espinosa, European Commission, JRC*

**13:30 NSF/ANSI 457 – International Sustainability leadership standard for Photovoltaic Modules – a benchmark for a global eco-label for PV modules**

*Nancy Gillis, Green Electronics Council*

**13:45 Impact of Sustainability Initiatives on the European solar value chain**

*Mate Heisz, SolarPower Europe*

**14:00 IEA PVPS Task 12 – PV Sustainability – international collaboration enabling more sustainable photovoltaics**

*Andreas Wade, Deputy Operating Agent, IEA PVPS Task 12*

**14:15 Q&A**

## SESSION IV: Quality and reliability, experience from the field

**Chair:** *Achim Woyte, 3E and ETIP PV Steering Committee member*

**14:30 Quality of components: due diligence and the role of the planning phase**

*Daniel Barandalla, DNV GL*

**14:45 High volume PV module inspection after shipment**

*Chokri Mousaoui, Eternal Sun Group*

**15:00 Review of PV module failures in the field**

*Marc Köntges, ISFH*

**15:15 Operational Performance on Plant and Inverter Level: Data Analytics for Optimizing Operations and Maintenance**

*Mauricio Richter, 3E*

**15:30 Q&A**

## 15:45 – 16:15 COFFEE BREAK & POSTER SESSION

## SESSION V: R&D&I Panel discussion – How to address quality in practice?

**16:15 Panel discussion**

**Moderator:** *Andreas Bett, Fraunhofer ISE and ETIP PV Steering Committee member*

*Wolfgang Storm, Wacker*

*Fabrizio Bizzarri, Enel Green Power*

*Ulrike Jahn, TUV Rheinland*

*Ingrid Repins, NREL*

*Tony Sample, EC JRC*

*Chokri Mousaoui, Eternal Sun Group*

**17:00 CONFERENCE CLOSING**

*Marko Topič, ETIP PV Chairman*

## 17:15 – 18:00 END OF THE CONFERENCE & COCKTAIL

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