

PHOTOVOLTAIK & BIM / IFC – ENVIRONMENTAL DATA NEEDED

June 19th 11:00 – 13:00 h CET – online event via zoom

Introduction to the event

Astrid Schneider
TU Wien

Goal: to find a suitable representation of BIPV – Building Integrated Photovoltaic elements in open BIM / IFC

- **TU Wien Institut für Architektur und Entwerfen + Ingenieure FB Digitaler Bauprozess**
Karin Stieldorf, Astrid Schneider, Christian Schranz, Harald Urban
- **buildingSMART**
Alfred Waschl
- **Archiphysik – A-Null Bausoftware**
Kurt Battisti, Markus Dörn, Jacqueline Scherret - Alfred Hagenauer
- **ACCA Software / ALMA**
Andrea Aiello, Fedele Rende
- **Bartenbach Lichttechnik**
David Geisler Moroder, Martin Hauer
- **Kioto Photovoltaics GmbH**
Marcus Feichtner
- **Treberspurg und Partner Architekten**
Christian Treberspurg, Philipp Benisch + Martin Treberspurg

TASK 15 - ENABLING FRAMEWORK FOR THE DEVELOPMENT OF BIPV

IEA International Energy Agency – PVPS Photovoltaic Power Systems Program

Phase 3 - Subtask C: BIPV in a digital environment

C1 - Goal: BIPV (Building Integrated Photovoltaic) information model for open Bim exchange via IFC

Activity leaders: Astrid Schneider TU Wien, Austria + Tianyi CHEN, Singapore (SERIS)

- **RMIT – Australia** - Rebecca Yang, Australia (RMIT) – leader subtask C
- **South Korea** - Tianyi CHEN, Singapore (SERIS)
- **France** - Philippe Alamy (ENERBIM)
- **Belgium** - Jonathan Leloux (Lucisun)
- **SUPSI – Switzerland** - Pierluigi Bonomi, Switzerland (SUPSI)
- **China** - Duo Luo, China (Trina Solar)
- **Norway** - Gabriele Lobaccaro (NTNU)
- **Austria** - **TU Wien Institut für Architektur und Entwerfen** - Astrid Schneider (TU Wien),
- **Observers: Canada, Spain, Sweden, Netherlands** + BIM4BIPV project group

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Which data will be needed within BIM-models regarding Building Integrated Photovoltaic (BIPV) products to be placed on the European (EU) market regarding upcoming challenges:

- **Construction Product Regulation (CPR)**
- **Ecodesign for Sustainable Products Directive**
- **Energy Performance of Buildings Directive**

- **Digital Product Passports (DPP)**
- **Environmental Product Declarations (EPD)**
- **Renovation Passports**
- **Digital Building Log Books**

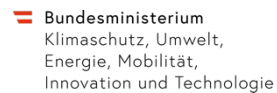
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- **11:00 h Welcome and introduction**
Astrid Schneider, TU Wien, BIM4BIPV / IEA-Task 15, Subtask C, Activity leader C1 BIPV+ IFC
- **11:10 h Welcome from buildingSMART Austria**
Alfred Waschl, chairperson buildingSMART Austria
- **11:15 h Environmental data as a new planning dimension**
Karin Stieldorf, TU Wien
- **11: 25 h State of the art of environmental data in construction in Austria**
Hildegund Figl, IBO, Austria
- **11:35 h Environmental Product Declarations (EPD) for BIPV: actual and upcoming requirements and frameworks**
Stefan Zwerenz, Institut für Bauen und Umwelt e.V., Germany
- **12:15 h Insights from the Chair of the Joint Technical Committee of CEN and CENELEC**
„JTC 24 Digital Product Passport System and Architecture
Thomas Knothe, Fraunhofer-Institut für Produktionsanlagen und Konstruktionstechnik IPK, Germany
- **12:35 h Questions and Discussion**
- **13:00 h end / open end**

THANKS!

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Projektpartner Forschungsprojekt BIM4BIPV:

