



## Modelling of PV Systems – Challenges and Comparisons

**1<sup>st</sup> December 2020, 14:00-16:30 (CET) – Programme**

In this workshop, there will be a mixture of presentations and discussions around the topic of modelling PV system operation and performance. We will consider, in particular, the comparison of different modelling approaches and software for describing the performance of different system types and the losses due to degradation.

PEARL PV has also developed a database of PV system field data (as part of the activities of WG1) and we will discuss how this database could be used to develop modelling comparisons, so as to understand the limitations of different approaches in expressing field performance.

Time	Item/Title	Presenter
14:00 – 14:10	Introduction to Workshop	Nicola Pearsall
14:10 – 14:40	Comparing different software models for estimating bifacial energy gain	Nicholas Riedel
14:40 - 15:10	Advanced degradation modelling – causes and rates, followed by discussion	Steve Ransome
15:10 -15:40	Modelling I-V curves	Jesus Robledo Bueno (to be confirmed)
15:40 – 16:10	Discussion on using the PEARL PV database for software comparisons	Led by Tihomir Betti
16:10-16:30	Workshop Summary and Closing	Nicola Pearsall

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