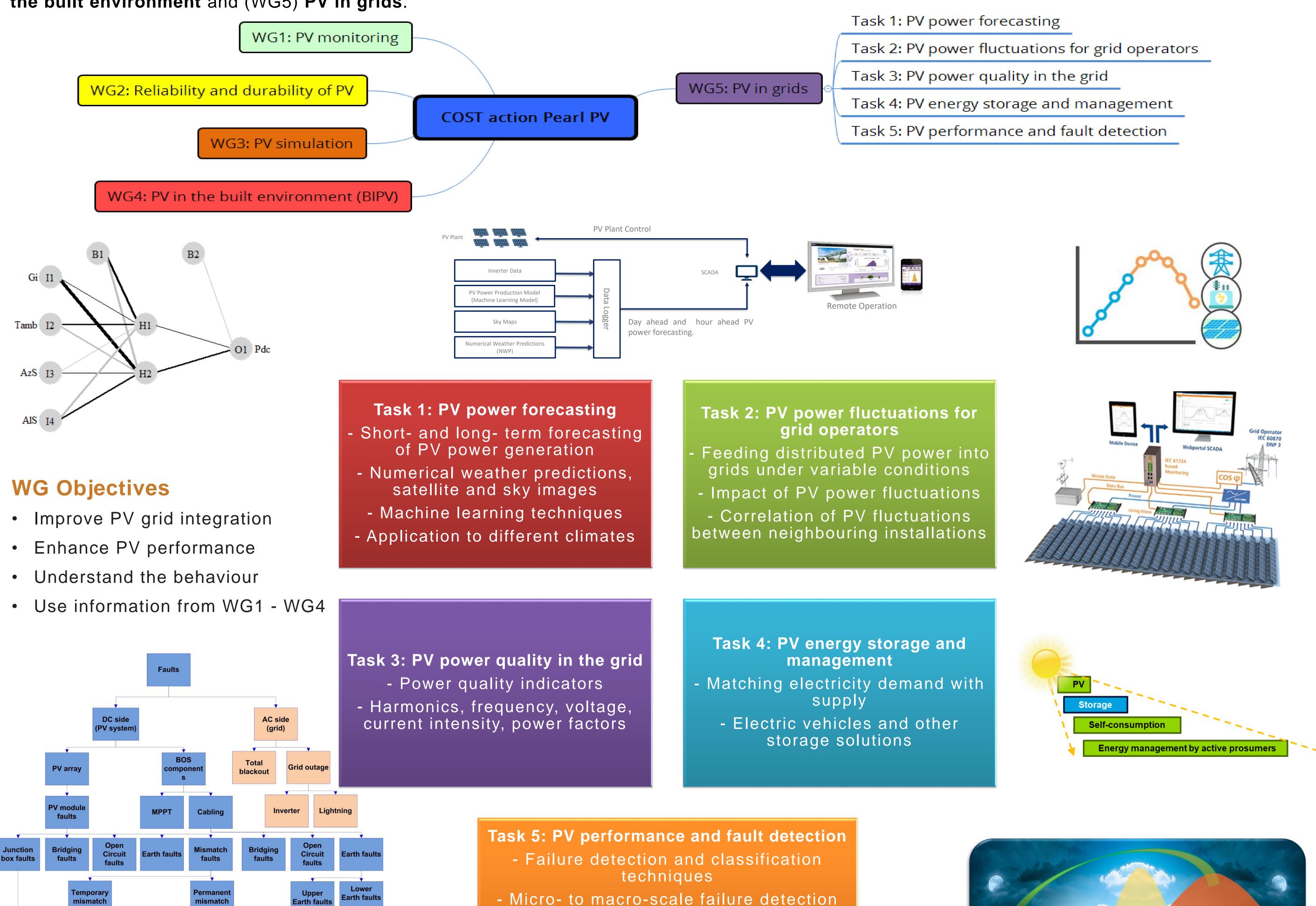
EU COST Action PEARL-PV:

Performance and Reliability of Photovoltaic Systems: Evaluations of Large-Scale Monitoring Data WG5: PV in grids

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Introduction The EU COST Action PEARL-PV was initiated at the end of 2017. PEARL-PV is the abbreviation for "Performance and Reliability of Photovoltaic Systems: Evaluations of Large-Scale Monitoring Data". The Action entails the formation of an inclusive network of PV researchers/experts and the largest-ever agglomeration of PV systems performance data in Europe that will be analyzed in order to include morenuanced evidence-based reliability of PV system evaluation methods, simulation and design tools. To execute the research proposed, 5 Working Groups have been set up that will conduct research using a shared data bank, simulation tools and models in order to analyze and compare these data. The 5 Working Groups are focused on (WG1) PV monitoring, (WG2) PV simulation, (WG3) Reliability and durability of PV, (WG4) PV in the built environment and (WG5) PV in grids.



- Machine learning techniques

- Peer-to-peer approach

- Bulk data handling of real applications

installed in EU

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Crack

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