

Panel Discussion & Wrap-Up

Jonathan Leloux, LuciSun

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Key messages and takeaways



- Hail and windstorms are rare but highly destructive. They require engineering attention beyond current standards, as shown by real-world cases with massive damage.
- Stow strategies are not one-size-fits-all. There are trade-offs between optimal stow angles for hail vs. wind.
- Designing for durability starts early. Site-specific modelling and decision mapping can help avoid long-term losses and misaligned expectations.
- Environmental soiling and snow accumulation influence cleaning strategies, maintenance costs, and energy yield.
- Digitalisation, forecasting, and risk modelling tools are advancing, but uptake in industry practices is still uneven.

Keyword map of today's presentations

PVPS







aerosol dimming earthquake_{UV} degradation lightning wildfire engineering wildfire geoengineerie frost humidity landslide solar radiation management .compound risk volcanic erup



- **Agrivoltaics (Agri-PV):** Contributes to crop resilience by offering partial protection against hail, frost, excessive heat, and evaporation stress.
- **Floating PV:** Reduces water loss by significantly limiting evaporation from reservoirs and other water bodies, especially during heatwaves or droughts.
- **Building-Integrated PV (BIPV):** Enhances thermal and visual comfort by optimising daylight penetration and temperature regulation within buildings.

PVPS

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Best Practices for the Optimization of Bifacial Photovoltaic Tracking Systems 2024



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Soiling Losses – Impac on the Performance of Photovoltaic Power Plants 2022





Power Plants using Mobile Test Equipment

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Quantification of Technical Risks in PV Power Systems 2021

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