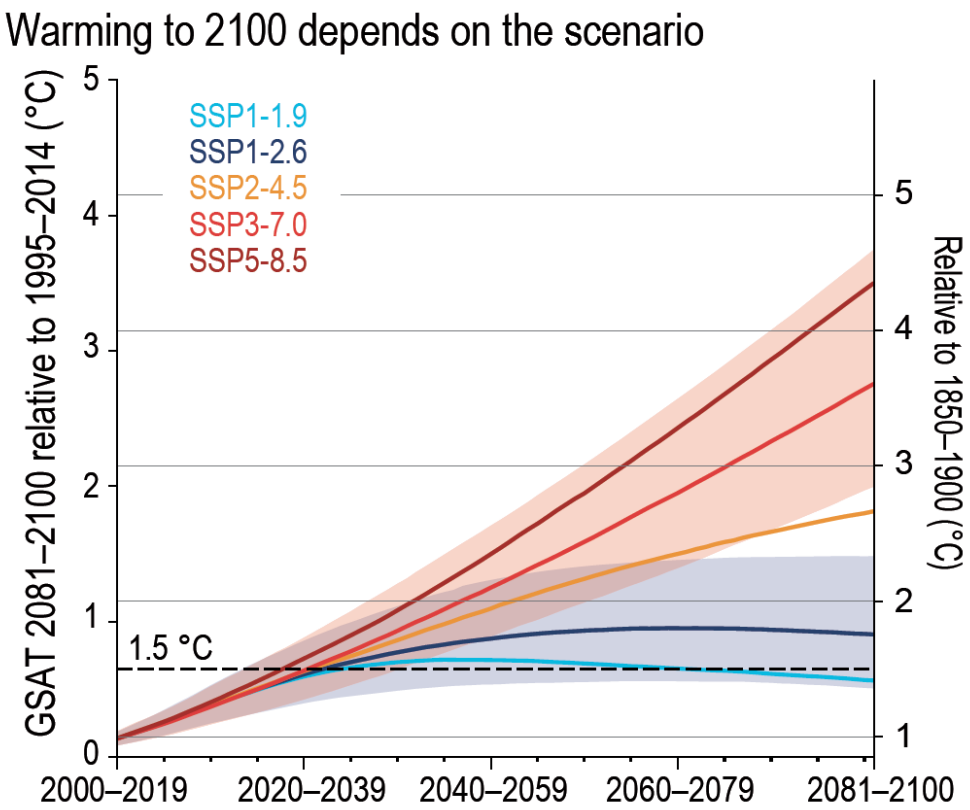


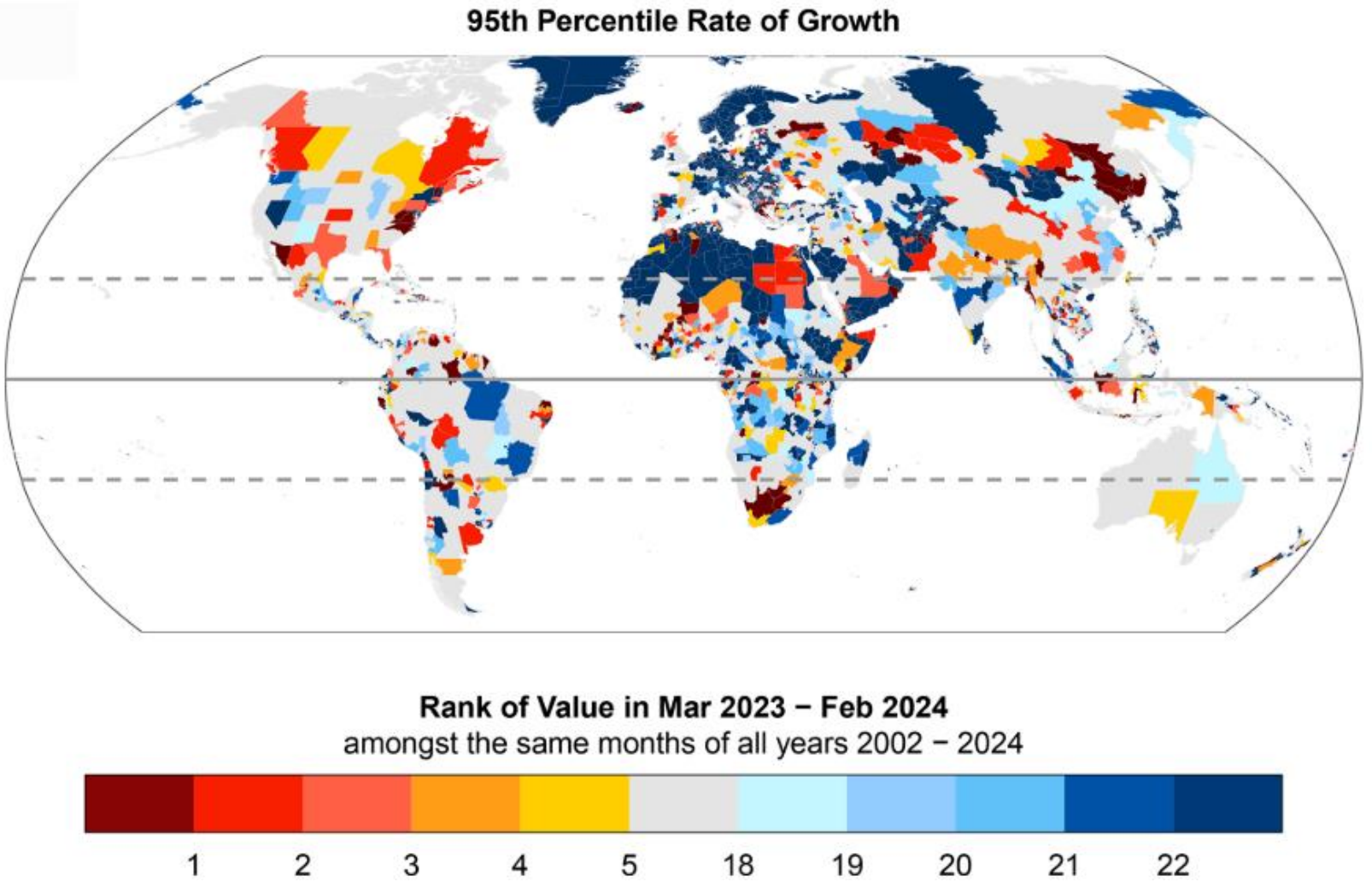
Wrap Up: Impacts of Extreme Weather on PV System Reliability

Tadanori Tanahashi (AIST, Japan)

PVSEC-35, Numazu, Japan – 2024-11-12

Wildfire: One of the Most Severe Events for PV

Direct Destruction of PV System, Reduction of Irradiance, & Ash Soiling…



M. W. Jones et al., Earth Syst. Sci. Data, vol. 16, no. 8, pp. 3601–3685, Aug. 2024.

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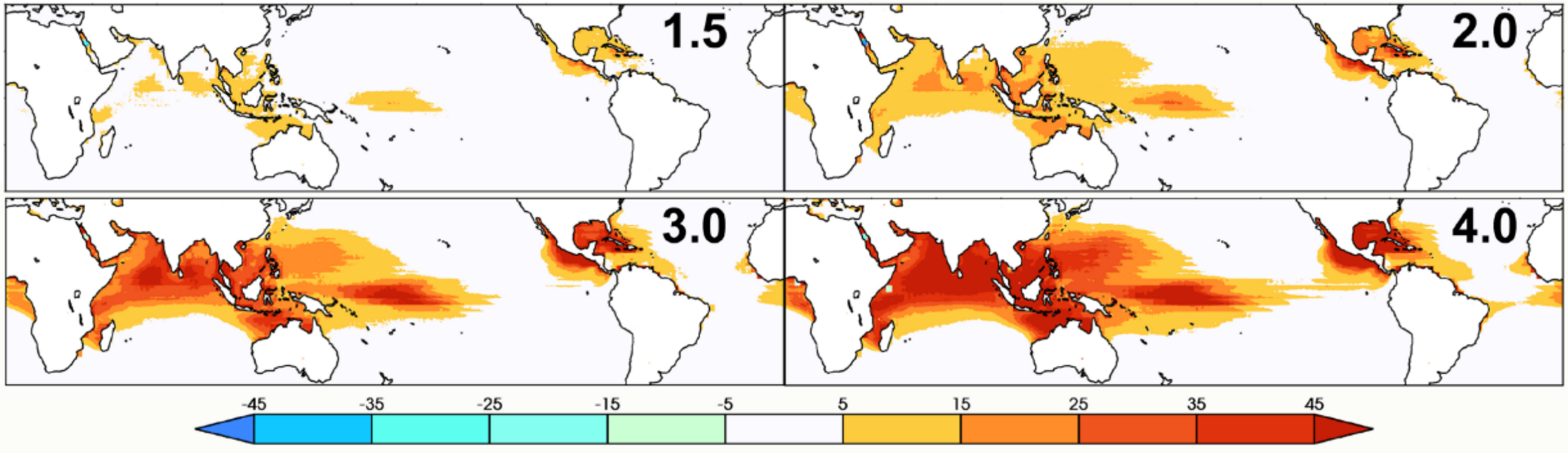
Extension of Hurricane Wind Scale (Proposal)



Change in the number of days/year that exceed the **hypothetical Category 6 threshold (>86 m/s)** at different future global warming levels based on perturbed ERA5 data. The subfigures (top left, top right, bottom left, and bottom right) represent 1.5°C, 2.0°C, 3.0°C, and 4.0°C above pre-industrial levels, respectively.

M. F. Wehner and J. P. Kossin, Proc. Natl. Acad. Sci., vol. 121, no. 7, p. e2308901121, Feb. 2024.

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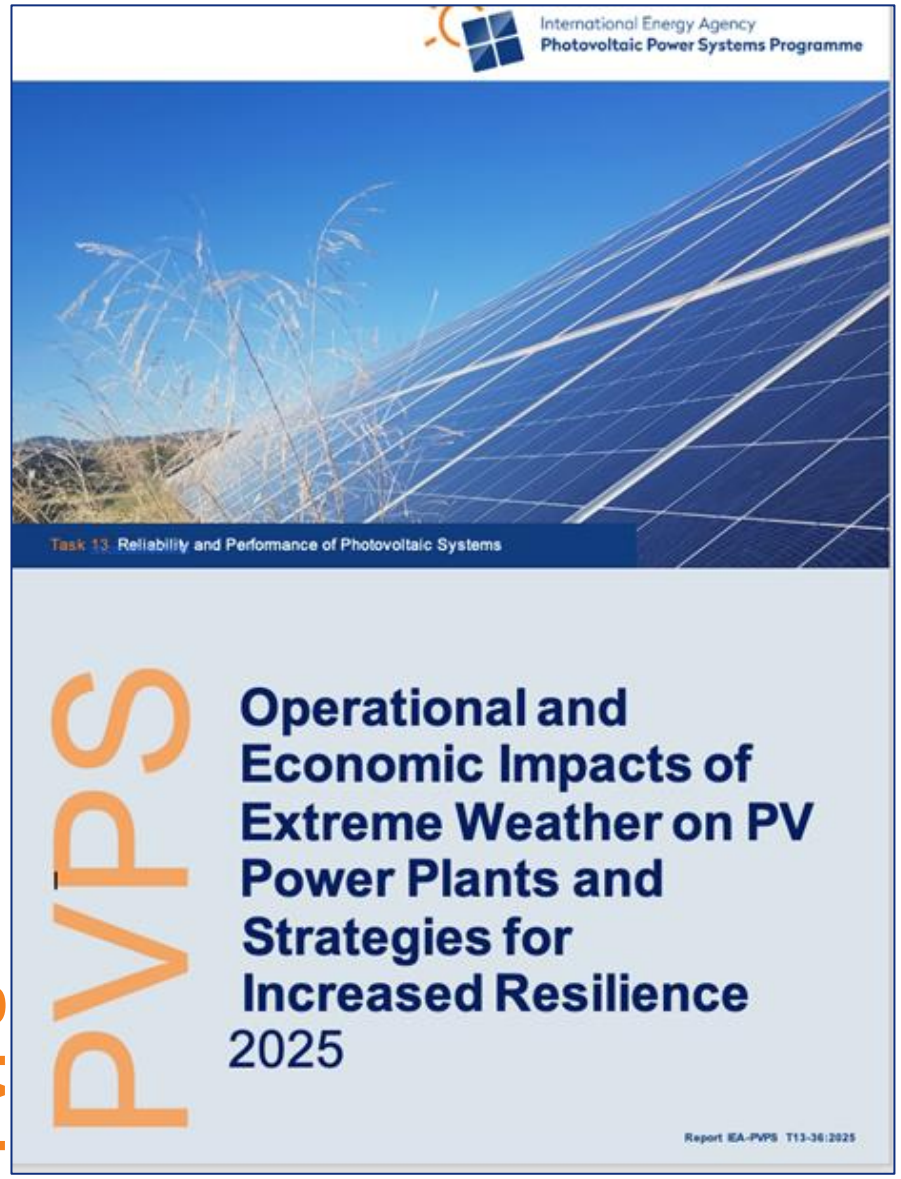
Our Report will be published in mid-2025



Please visit IEA PVPS Website: https://iea-pvps.org/

Thank you for your active participation and valuable insights during our workshop!

Please feel free to reach out with any further thoughts or questions.

Contact: tadanori.tanahashi@aist.go.jp