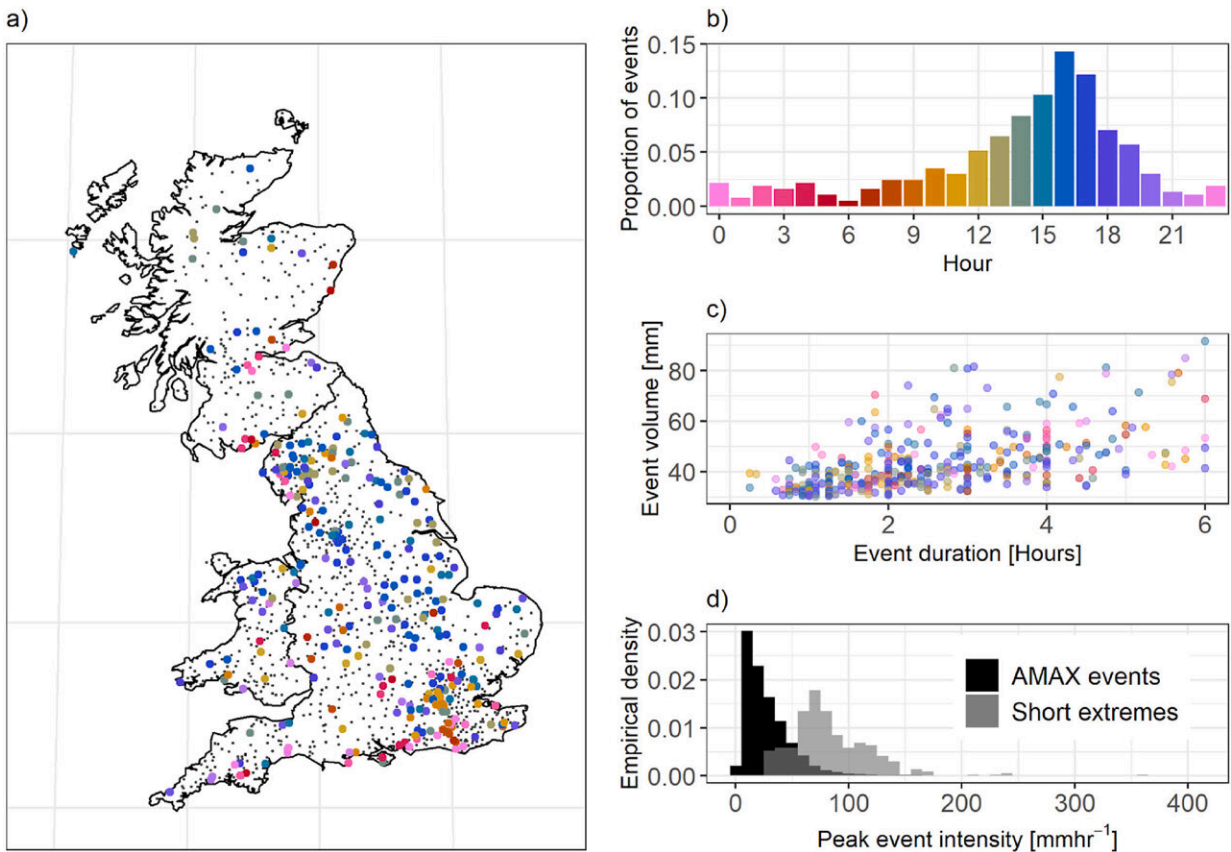


New model to enhance extreme rainfall prediction

August 29 2024



a) Geographical and b) hourly distributions of UK rainfall events with duration under 6-hrs that match or exceed an intensity of 30 mm h⁻¹ between 2000 and 2020, c) scatterplot of event duration and volume, and d) Comparison of the peak event intensity [mm hr⁻¹] empirical distributions for a large (~72,000) sample of annual maximum events (of any duration) and for short extremes (

Citation: New model to enhance extreme rainfall prediction (2024, August 29) retrieved 3 September 2024 from <https://phys.org/news/2024-08-extreme-rainfall.html>

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