

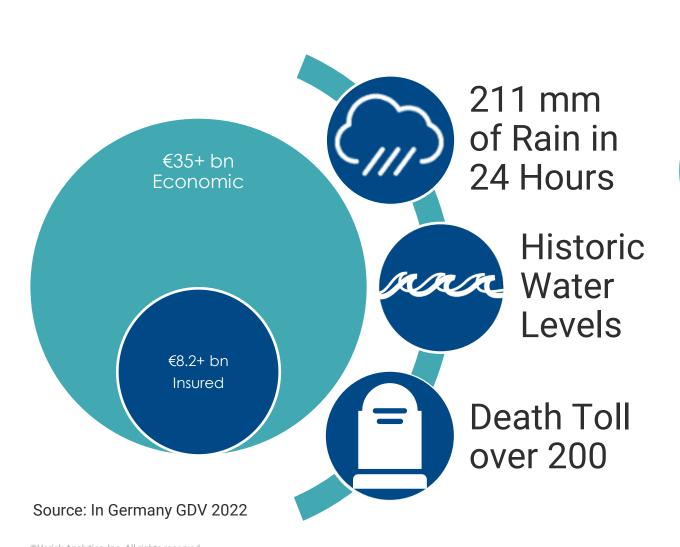
Comprehensive risk evaluation of July 2021 Germany floods including associated uncertainties

Punit Bhola, PhD, CEEM Margot Doucet Stefanie Alarcon Bernhard Reinhardt





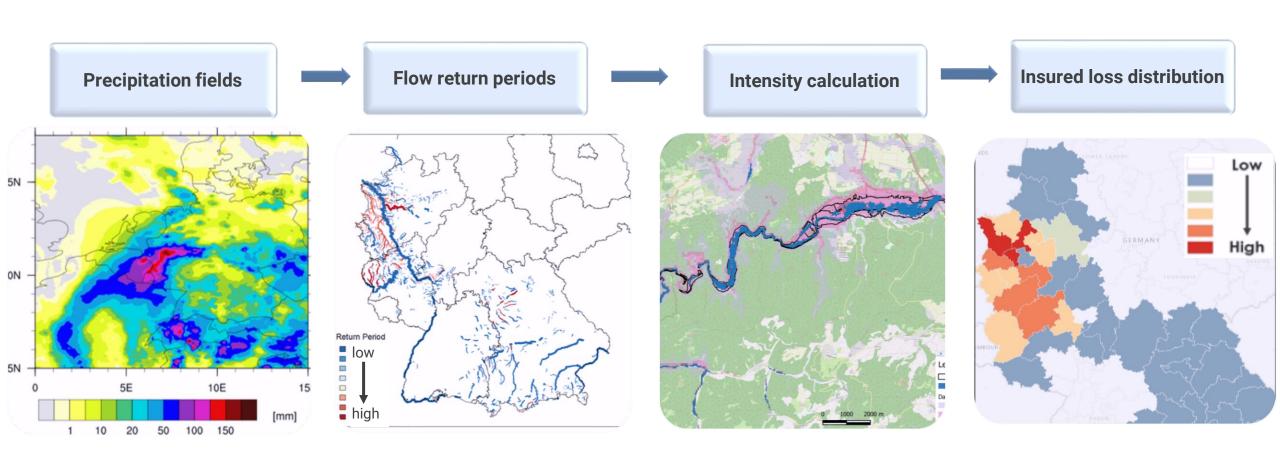
The July 2021 flooding event in Europe







Comprehensive re-modeling of July 2021 event using Verisk flood models

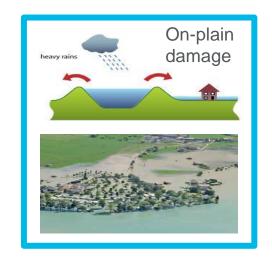


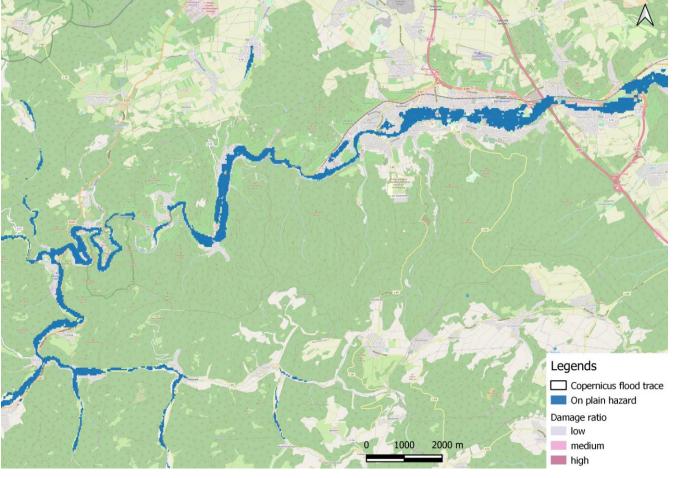
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Source: Verisk



Fluvial and pluvial flooding



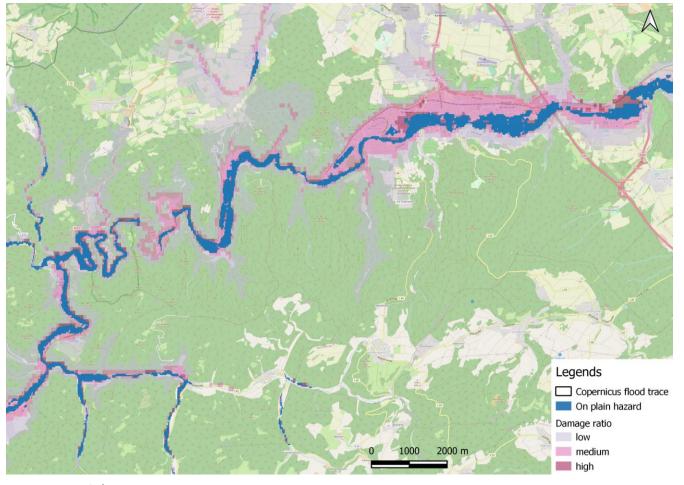




Fluvial and pluvial flooding







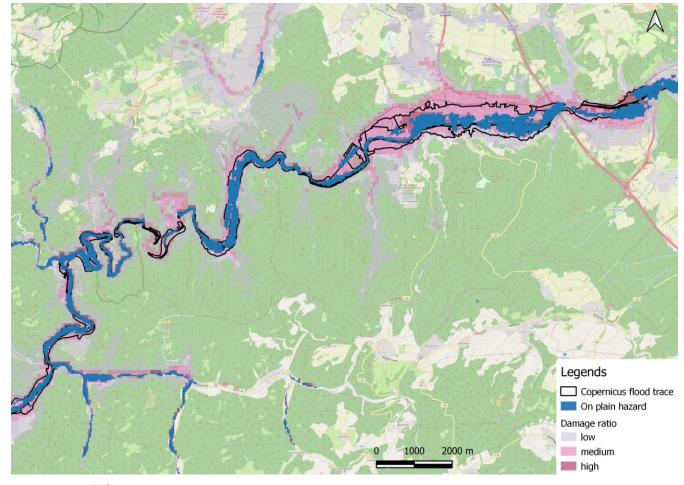
Source: Verisk



Fluvial and pluvial flooding



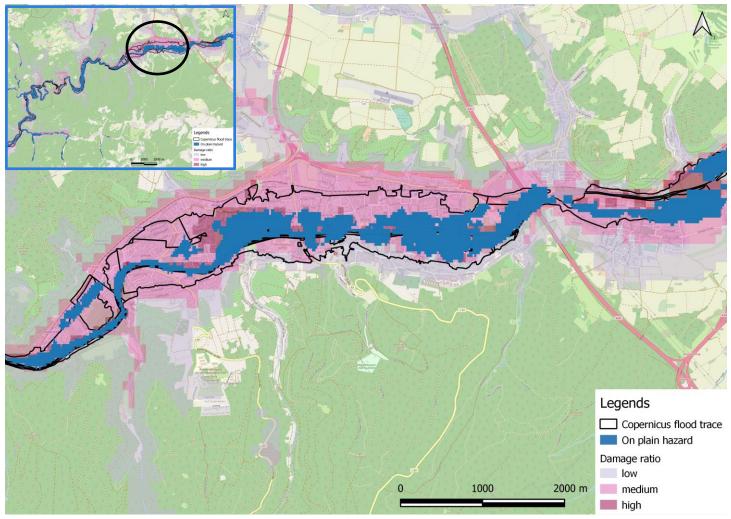




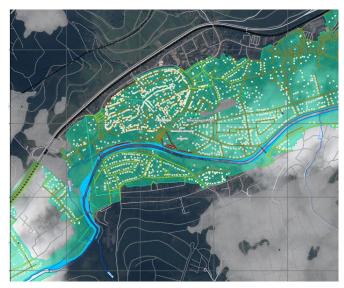
Source: Verisk



Bad Neuenahr-Ahrweiler



Source: Verisk



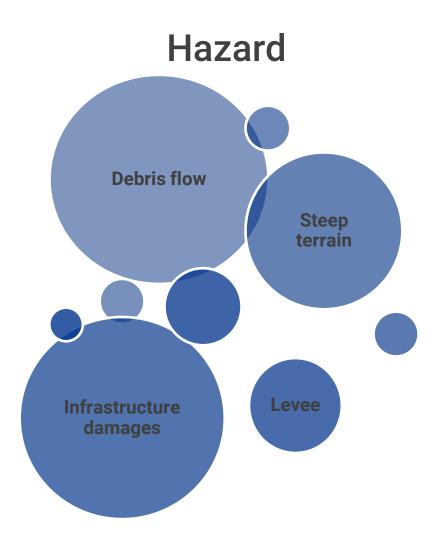
Source: Copernicus Emergency Management Service. https://emergency.copernicus.eu/



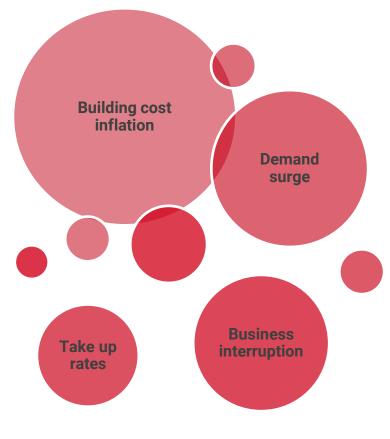
Source: Die Struktur- und Genehmigungsdirektion (SGD) Nord,Rheinland-Pfalz: https://sgdnord.rlp.de/



Uncertainty factors



Loss estimation





Summary



Thank you and stay posted



