

# Supplementary materials: Can bias correction methods improve the statistical characterization of extreme rainfall compound events in climate simulations?

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## S1 Figures

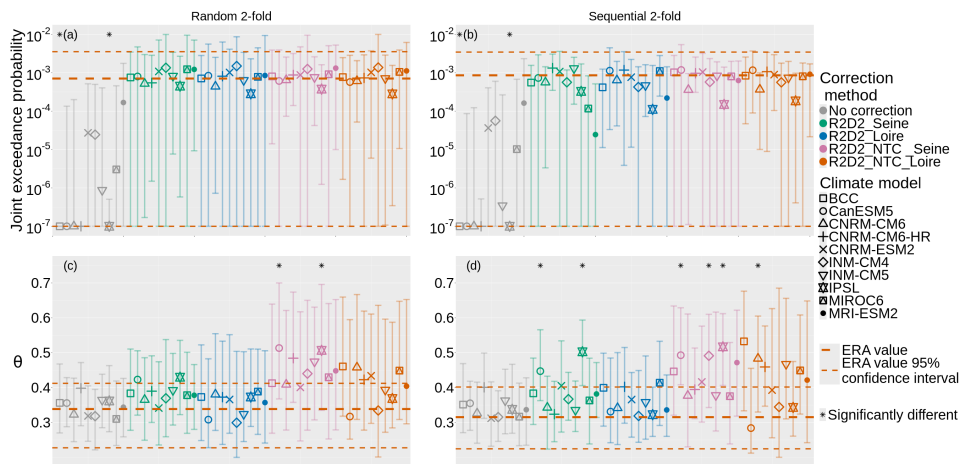


Figure S1: Joint exceedance probability (top) and bivariate extremal index  $\theta$  (bottom) for the Seine/Loire event over the reference period (1992-2021). Left: random 2-fold experiment; Right: sequential 2-fold experiment. The focus is made on R<sup>2</sup>D<sup>2</sup> and R<sup>2</sup>D<sup>2</sup>\_NTC with both the *API* of the Seine and the *API* of the Loire as the pivot.