

## Identification and characterization of " outlier " catchments in the upper part of the Mosel river basin

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The submitted poster aims at presenting and characterizing some catchments belonging to the upper part of the Mosel river basin (a mesoscale area of 10 000 km<sup>2</sup>), for whom the daily continuous conceptual rainfall-runoff (RR) model fails to reproduce properly the rainfall-runoff relationship. Different models are compared : GR3j – GR4j – GR3j modified versions (Lang et al., 2008<sup>[1]</sup>).



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These different sources of poor model performances and the clustering of outlier catchments in the upper Mosel river basin advocate the necessity of performing specific work on such catchments (e.g. field measurements) for improving the RR model used and better understand the gap between fiction and representation of reality.

Further works will also attempt to connect the parameters of the model to physical descriptors.

