



Process Based Modelling of Natural and Distributed Flood Control Measures

Guest Editor:

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Deadline for manuscript submissions:

closed (30 November 2021)

Message from the Guest Editor

Dear Colleagues,

Nature-based retention measures are an essential part of a sustainable and integrated flood-protection strategy at different scales. Natural and distributed flood control measures comprise land-use change; agricultural management; the restoration of rivers and floodplains; as well as small, uncontrolled retention basins. It is essential to analyze the effects of these measures.

One aim of this Special Issue is to bring together recent research on the effects of combined river and flood plain restoration in different catchments with various topographic properties and different spatial scales. Moreover, submissions analyzing the impact of different land-use, agricultural management, and small retention basins on runoff generation and runoff concentration are encouraged.

We especially welcome submissions about modelling results, as well as experimental outcomes that analyze catchment and event characteristics with regard to their flood reduction potential. Manuscripts about optimizing nature-based solutions for flood risk reduction in mesoscale catchments are also welcomed.





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Message from the Editor-in-Chief

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