



Recent Advances in the Assessment of Current and Future Flood Risk

Guest Editor:

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Deadline for manuscript
submissions:
closed (30 September 2019)

Message from the Guest Editor

Non-stationarity, flood model uncertainty, interaction with other hazards and uncertainty in damage or impact assessments. These uncertainties present considerable challenges for decision makers tasked with flood risk management; approaches are required that account for changes to risk and associated uncertainties.

Non-stationarity: assessing flood risk under climate change, assessing flood risk in changing catchments, and flood frequency analysis considering non-stationarity.

Uncertainty in likelihoods: quantification of uncertainty in risk assessments; data and flood model uncertainty.

Uncertainty in consequences: damage modelling accounting for variability and change, transferability of damage models, and accounting for intangible impacts.

Hazard interactions: multi-hazard risk assessment; quantification of flood risks associated with multiple combined events.

New approaches: novel application of data science techniques to flood risk assessment and management.

From flood risk assessment to management: presentation and communication of risk and uncertainty; accounting for uncertain future change in flood-risk management.





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Message from the Editor-in-Chief

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Journal Rank: JCR - Q2 (*Water Resources*) / CiteScore - Q1 (Water Science and Technology)

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