Quantifying Flood Risks in the Netherlands

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Abstract

The Flood Risk in the Netherlands project (Dutch acronym: VNK2) is a large-scale probabilistic risk assessment for all major levee systems in the Netherlands. This article provides an overview of the methods and techniques used in the VNK2 project. It also discusses two examples that illustrate the potential of quantitative flood risk assessments such as VNK2 to improve flood risk management processes: (i) informing political debates about the risks of flooding and the effectiveness of risk management actions, and (ii) (re)directing research efforts towards important sources of uncertainty.

Keywords: flood risk, probabilistic risk analysis.

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