INTRODUCING RESILIENCE IN FLOOD RISK MANGEMENT

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ABSTRACT

The agglomeration of extreme weather events throughout the last decades in conjunction with the increasing severity of resulting floods beyond long-time probability levels poses the question to what extent technical flood protection measures are effective and affordable. A paradigm shift from 'defying floods' to 'living with floods' emerged among innovative flood managers and scientists in recent years. The combination of vital technical facilities with 'non-structural' measures holds out the prospect of a significant risk reduction. This requires a new management style that includes horizontal communication and collaboration among authorities, stakeholders and the public. The CRUE-ERAnet project FREEMAN endeavours to introduce the concept of 'resilience' into contemporary flood risk management. For this reason empirical research seeks to elicite expert knowledge as well as lay knowledge in order to identify potentials to enhance the effectiveness of current flood risk management. Based upon resilience indicators a consistent set of recommendations will be provided.

PALAVRA-CHAVE: resilience, adaptive management, knowlegde elicitation, indicators, flood risk management, non-structural measures