

European Research on Dambreak and Extreme Flood Processes

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SYNOPSIS. Effective risk management for dams requires an understanding of potential hazards and an assessment of the various associated risks. This requires analysis of potential impacts which, in the case of dambreak, requires an ability to reasonably predict conditions that may result through failure or partial failure of a dam. The IMPACT Project focuses research in five areas related to dambreak, namely breach formation, flood propagation, sediment movement, geophysical investigation and assessment of modelling uncertainty. This paper provides an update on this 3-year programme of work with an overview of some initial findings, particularly in relation to work on breach formation.