

DELTAS IN PRACTICE SESSIONS: EXTENDED WORKSHOP DESCRIPTIONS

Theme 8: Post disaster preparedness and recovery

DP 8.1 Exercising decision-making during flood disasters by the use of 'Flood Simulators'1

DP 8.2 Early warning early action: How to mobilise humanitarian funding based on flood risk1

Deltas in Practice Theme 8. Post disaster preparedness and recovery

DP 8.1 Exercising decision-making during flood disasters by the use of 'Flood Simulators'
Wednesday 24 September, 14.00-15.45 Antwerp Room

The 3Di-model will function as 'flood simulator', to practice decision-making with the participants of the workshop. With the 3Di-model, decision-makers can directly visualise the messages they receive about, for example, failed dams or levees into a digital flood map. Based on new messages from people in the field this digital flood map can constantly be updated and select measures to decrease the flood risks. A case study of a typical polder in The Netherlands will be configured in the 3Di-model to function as study area during the exercise.

A disaster script will be prepared on beforehand, unknown by the participants of the exercise. This script consists of different messages to the participants, for example about forecasted water levels, weak levees and actions of the inhabitants of the area under risk. An exercise leader will lead the exercise, which will take about an hour.

After the exercise the decision-making process and the use of the flood simulator will be evaluated with the participants. An observer will assess several indicators for good decision-making during the exercises, derived from Sensemaking theory, and will present the outcomes.

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DP 8.2 Early warning early action: How to mobilise humanitarian funding based on flood risk

Friday 26 September, 9.00-10.15 Tokyo Room

During the workshop, the major activity participants will engage in are 'serious games', including an adaptation of [Paying for Predictions](#) that is specifically focused on riverine flooding. In the discussion that follows, participants will be engaged to map the available information that can be used to trigger humanitarian financing prior to a disaster, including global hydrological modelling efforts. Case study results from two pilot locations will be presented by the Red Cross / Red Crescent Climate Centre, and workshop participants will engage in constructive dialogue on how to move this agenda forward and other possible applications. The participants will be invited to share ideas and discussion on the practicalities of disbursing funding based on a forecast, and gender-related aspects to such a funding protocol and how the finance is prioritised.
