

## Abstract for the poster exhibition

### The IBRAHYM-model

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Our poster will deal about the IBRAHYM-model which describes the ground and-surfacewatersystem of the south-east part of the Netherlands (Limburg) over an area of 200.000 ha. The model consists of a very detailed database of all watercourses in the region, a detailed geohydrological description, and so on. The model code used, consists of MODFLOW, SOBEK and parts of the SIMGRO-model. With these model we can calculate regional as well as very detailed effects (10/10m) of all sorts of hydrological measures. As first application, we will use the model to estimate the so called 'desired ground and surfacewaterregime' in the whole region. We also will use the instrument to calculate the flooding risks of the regional watercourses and the (natural) measures to minimize these risks.