



Bachelor projects (in cooperation with [Guy Carpenter](#))

The seminar of [PZ01](#) project gives an opportunity for a study of a wide range of issues related to the modelling of environmental systems. Below are suggested topics for a bachelor thesis, but these are neither exclusive nor exhaustive. Students are encouraged to submit their project proposals from the following areas:

1) Source of flood risk

Suggested topics include; flood forecasting (meteorological aspects), flood warning, land management and runoff control (rural/urban), sustainable urban drainage systems

2) Flood pathways

Suggested topics include; environmentally sensitive engineering, washlands & biodiversity, floods and river water quality, geomorphology & aquatic habitats, emergency responses, operation and management of flood defence structures

3) Flood receptors

Suggested topics include; flood risk mapping, land use planning & flood risk, flood damage (urban, rural areas), economic evaluation of flood damage, flood warning response, flood insurance, flood proofing and damage avoidance, public awareness

Proposed bachelor projects

Project 1: Availability, accessibility and quality of flood defence data and information for the EU countries (The topic will be streamlined based on the student's skills and interests)

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