

ERA-NET CRUE Funding Initiative Research project fact sheet

Flood risk management strategies in European Member States (FLOOD-ERA)

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Executive summary

FLOOD-ERA aims at improving the evaluation of structural and non-structural measures under conditions of different context factors such as organisational arrangements and varying risk perceptions of decision makers. The project focuses on the administrative framework of flood risk management. Thus, great importance is attached to officials and politicians in organisations of the public sector. Context factors differ widely between European Member States (e.g., planning systems) and within Member States each case has its specific features. Hence, the working programme encompasses site-specific investigations of flood risk management strategies in national case studies. Considering this empirical research, FLOOD-ERA develops a basic methodology to (1) analyse how decision makers of relevant public organisations at different level of European Member States perceive flood risks, (2) systemise and analyse existing and possible flood risk mitigation concepts with structural and non-structural measures, (3) evaluate the effectiveness and efficiency of the applied and possible structural and non-structural measures, and (4) identify under which conditions effectiveness and efficiency evaluations converge or diverge between practice and scientific analysis. Based on this methodology, an EU-Guideline is formulated on the assessment of flood risk strategies on the administrative level.

Intended outcome

FLOOD-ERA is going to provide a **methodology** for an integrated evaluation of structural and non-structural measures under conditions of different context factors of decision makers.

Furthermore, FLOOD-ERA derives an **EU-Guideline** on the assessment and improvement of flood risk management strategies and mitigation measures in the Member States.

Results will be presented in **scientific** papers, on the web and face-to-face **knowledge transfer** to decision makers.

Dissemination and implementation actions

FLOOD- ERA will use the following ways of dissemination:

- Text-based knowledge transfer: Publications and reports
- Web-based knowledge transfer: FLOOD-ERA website
- Face-to-face knowledge transfer: Presentation of results

Methods and data to be intended to use

- **Risk perception & other context factors:**
Semi-structured interviews with decision-makers
Document analysis
- **Effectiveness:**
Based modelling (e.g. hydro-dynamic modelling)
- **Efficiency:**
Cost-benefit analysis (production cost)
Qualitative methods for transaction cost analysis

Geographical focus of research (Case studies)

Germany: Mulde river basin (Saxony)
Mangfall river basin (Bavaria)
Austria: Raab river basin (Styria)
England: Thames river basin

Project duration

15.10.06 – 15.04.08

Project costs [€]

Germany: 156,888.00
United Kingdom:
Austria:

Funded by

BMBF - Germany
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