

Operations Planning

Decision Support in Civil Protection Operations Planning

PROBLEM STATEMENT:

- Efficiency and effectiveness of civil protection in crisis management often impaired by manual preparation of operational plans --> cognitive overload and limited analytical overview
- Existing approaches neglect the planning process in the run-up to crisis situations

SOLUTION:

- Graph-based approach for operational planning based on semantically enhanced historical operational data --> Operational scenario patterns for conceptual modeling of historical operations (JSON-LD)
- Generation of episodic knowledge representation of past operations (knowledge graph) that facilitates decision-making for future crisis events
- Evaluation in use case with THW: #157,450 historical crisis operations in Germany from 2012 to 2022



decision

RESULTS:

01MK21008D





support

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in

operations

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