

RESILIENCE AND EVACUATION PLANNING FOR FACILITIES WITH SPECIAL NEEDS

Joint Project RESIK

Resilience and Evacuation Planning for Social-Economic Infrastructures in a Medical-Social Context

Why this project?

Various hazard situations, such as extreme flooding, bomb defusion or prolonged failures of the water or power supply, can require facilities such as hospitals to be evacuated. In such situations, carrying out a rapid evacuation and ensuring adequate medical care is a major challenge for all parties involved. In order to avert or minimise damage to life and limb, the goal is to identify potential for strengthening the resilience of critical infrastructures using the example of hospitals and to reduce their susceptibility to disruptions in regular operations in complex situations.

Method

The project follows a theoretical-conceptual approach and combines qualitative and quantitative methods. A basic research, an explorative needs assessment, a case study, interviews with experts and participatory workshops will be conducted. In the course of a staff framework exercise, developed concepts will be tested and sample recommendations and learning fields will be derived.

Innovation

The evacuation of a hospital is considered a process that is only completed when normal operation is restored. The consideration of temporally interlocking processes plays a major role in this context. For that reason a multi-stage analysis model along the evacuation cycle, including theoretical heuristics, is being developed in the DRU subproject to create concepts for returning to normal care, also taking into account psychological and social aspects.



Image Source © DRK LV Saarland

Duration: 03/2020 – 02/2023

Region: Germany, global

Coordination: Disaster Research Unit (DRU), Berlin

Partners:

- German Red Cross e.V. (GRC), Generalsekretariat
- GRC regional association Nordrhein
- City of Krefeld, Mayor, Fire Brigade and Civil Protection
- International Center for Ethics in the Sciences and humanities (IZEW) University of Tübingen
- Dräger (Company)

Associated Partners:

- Malteser Rhein-Ruhr gemeinnützige GmbH
- German Working Group for Hospital Operations Planning (Deutsche Arbeitsgemeinschaft Krankenhaus-Einsatzplanung)
- The German Hospital Federation
- Malteser Hilfsdienst e.V. city branch Krefeld
- GRC local branch Krefeld e.V.
- Malteser Hilfsdienst e.V. federal branch
- Police headquarters Krefeld
- District Havelland disaster assistance office
- Federal Office of Civil Protection and Disaster Assistance (BBK)/Akademie für Krisenmanagement und Notfallplanung des Bundes (AKNZ)
- GRC regional association Berlin
- Senate administration of the interior and sport Berlin
- DRK local branch Gransee
- District authority Treptow-Köpenick
- District Oberhavel

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