

Emergency Light House, a Help Point in the Darkness: Disaster Beacons



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Bundesministerium
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Project Overview

- ▶ **Project Title** Disaster beacons as access points for citizens in crisis situations
- ▶ **Short Form** Kat-Leuchttürme (Disaster beacons)
- ▶ **Programme** Research for Civil Security by BMBF

- ▶ **Duration** 08.2012 until 07.2015
- ▶ **Funding** 2,5 Mio. €
- ▶ **File number** 13N12419 - 13N12425
- ▶ **Coordinator** TimeKontor AG

Project Partners



Council of the Berlin Borough of Steglitz-Zehlendorf



HUMBOLDT-UNIVERSITÄT ZU BERLIN



Associated partners:

- Senatsverwaltung für Inneres und Sport / AG Infrastrukturbetreiber
- Der Polizeipräsident in Berlin

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Focus of partners

Scientific partners

Beuth Hochschule für Technik Berlin (BHT)

Hochschule für Wirtschaft und Recht Berlin (HWR)

Forschungszentrum Katastrophenrecht der HU Berlin (FZK)

Practical partners

Berliner Feuerwehr (BFW)

Bezirksamt Steglitz-Zehlendorf (BA SZ)

Charité – Universitätsmedizin Berlin (CHA)

Development partners

Beuth Hochschule für Technik Berlin (BHT)

TimeKontor AG (TK)

Organisational partners

Berliner Feuerwehr (BFW)

Bezirksamt Steglitz-Zehlendorf (BA SZ)

Senatsverwaltung für Inneres und Sport (SenInnSp)

Der Polizeipräsident in Berlin (POL)

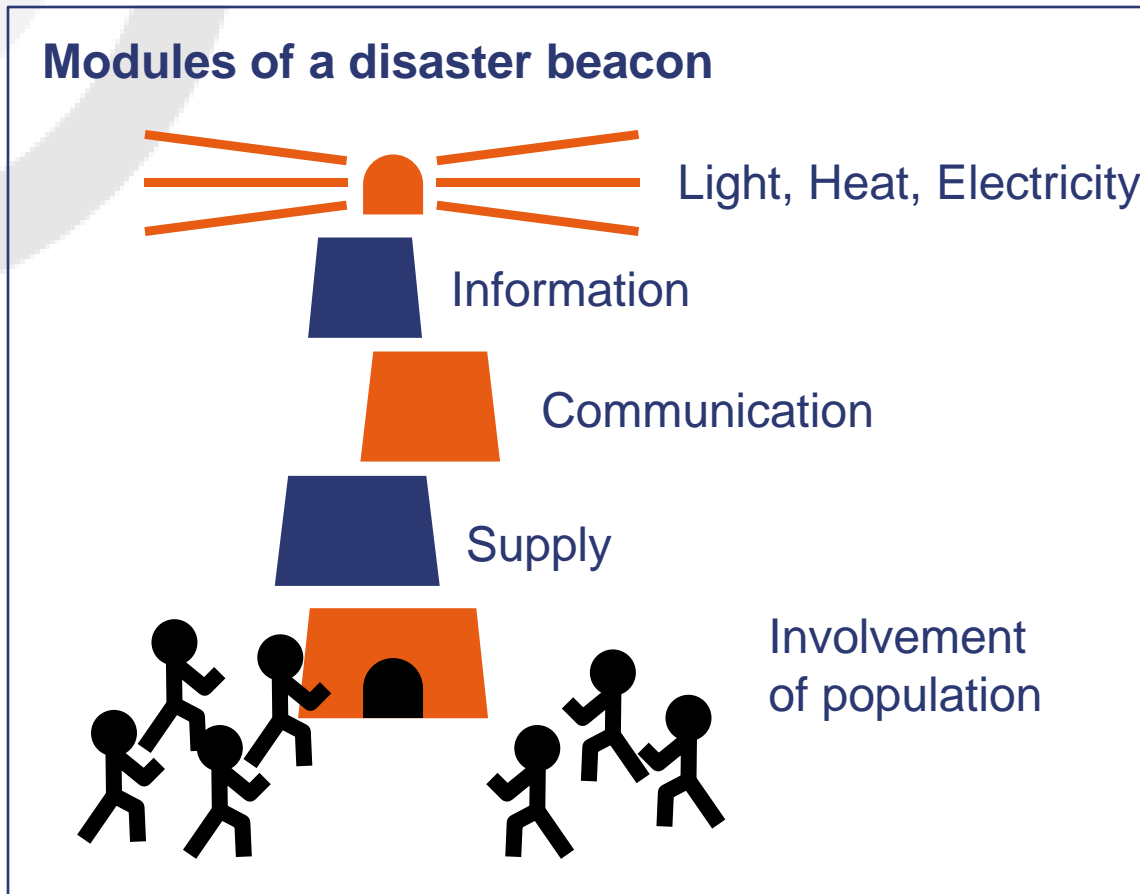
Scientific advisory council

- Michael Becker, Deutscher Amateur-Radio-Club e.V.
Head of division Emergency Radiocommunications
- René du Bois, Head of division KM 1 – Coordination center crisismanagement,
Federal ministry of the Interior
- Benno Fritzen, Head of fire brigade Münster
- Dr. Ansgar Klein, CEO National Network for Civil Society
[Bundesnetzwerk Bürgerschaftliches Engagement (BBE)]
- Prof. Dr. Martin Voss, visiting professor at institut for ethnology
of Freie Universität Berlin, Focus research on disasters

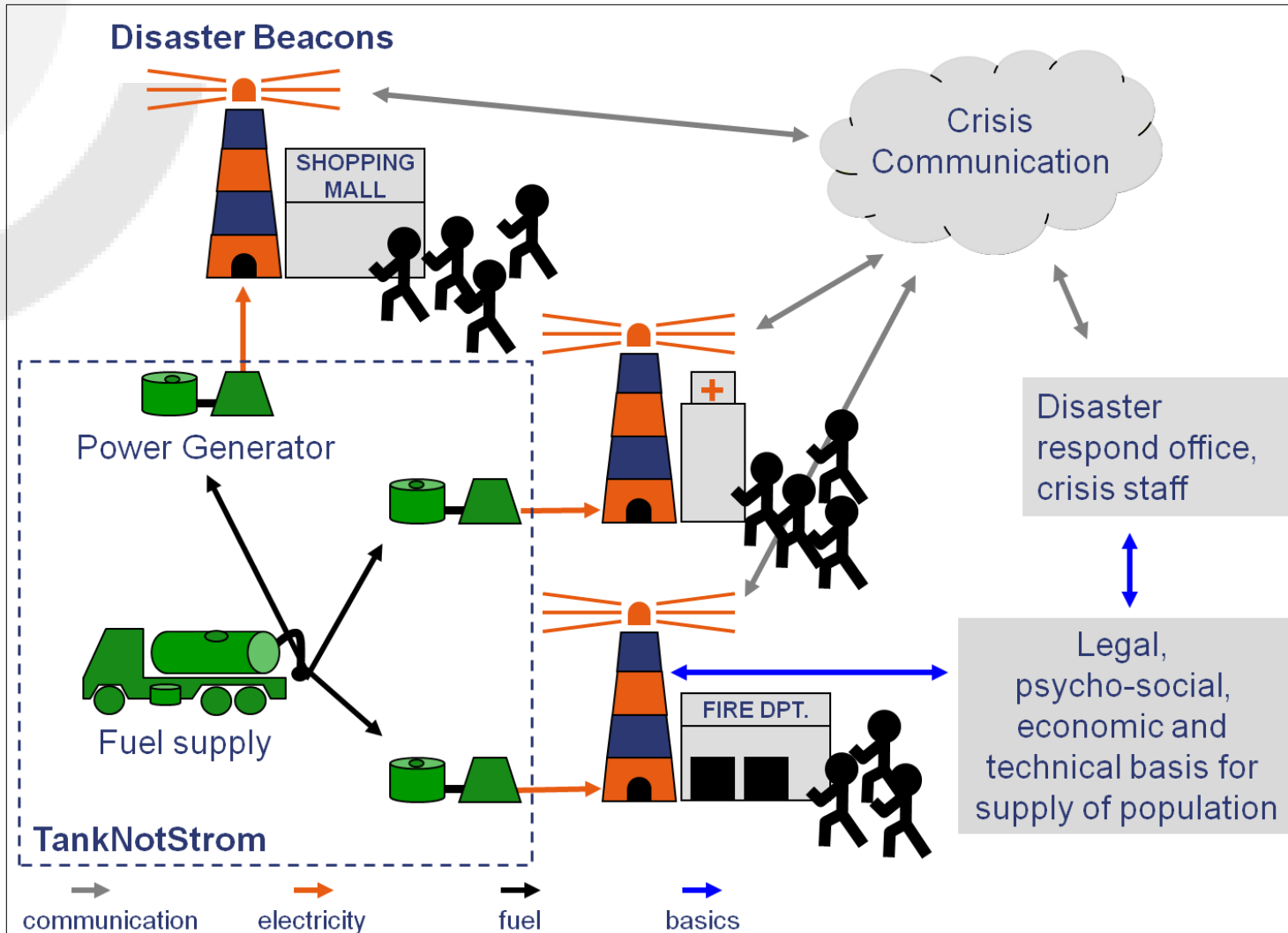
Project aims

- ▶ Development of a concept for access points for the population in case of disaster (disaster beacons) for maintenance of supply and for information and communication of population
- ▶ Organisational and technical execution of disaster beacons
- ▶ Construction-kit for planning disaster beacons
- ▶ Involvement of population into the process of crisis- and disaster management
- ▶ Clarification of legal framework conditions

Disaster - Beacon (Definition)



System of Disaster Beacons 1/2



- ▶ Crisis communication (preventive, in crisis)
- ▶ Supply concept
- ▶ Imbedding into existing disaster respond concepts
- ▶ Need for help and readiness to assist of local citizens
- ▶ Construction-kit for planning disaster beacons
- ▶ Planning of a network of disaster beacons in a region

Work packages

- ▶ **AP 01** Analysis of the present situation of crisis management systems in Germany and selected countries to manage ongoing blackout of power outage
- ▶ **AP 02** Developing requirements and basics for a citizen oriented crisis and disaster management
- ▶ **AP 03** Crisis communication – Emergency Communications System
- ▶ **AP 04** Regulatory framework in national context – legal attendance and consulting
- ▶ **AP 05** Judicial consideration of security systems of European countries

Work packages

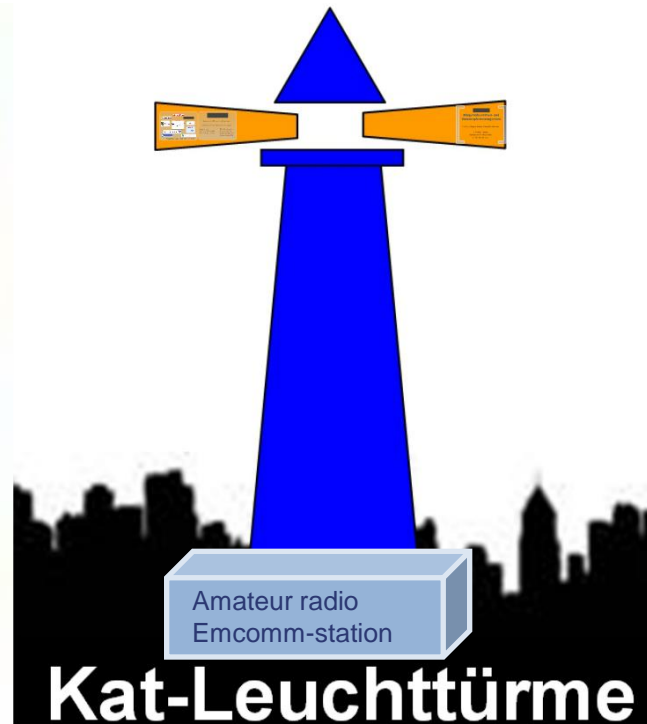
- ▶ **AP 06** Concept of a disaster beacon
- ▶ **AP 07** System of disaster beacons
- ▶ **AP 08** Example realisation, integration und evaluation of technical systems of disaster beacons
- ▶ **AP 09** Test, integration and evaluation of the complete system of disaster beacons
- ▶ **AP 10** Public presentation and project-oriented implementation of results

Amateur Radio operators ready to assist

- ▶ **What can we do?**
- ▶ **How can we assist?**

Access points for population (Disaster Beacons)

**Disaster Beacons
access- and help-points for citizens
amended by an amateur radio command-
or gatewaystation**

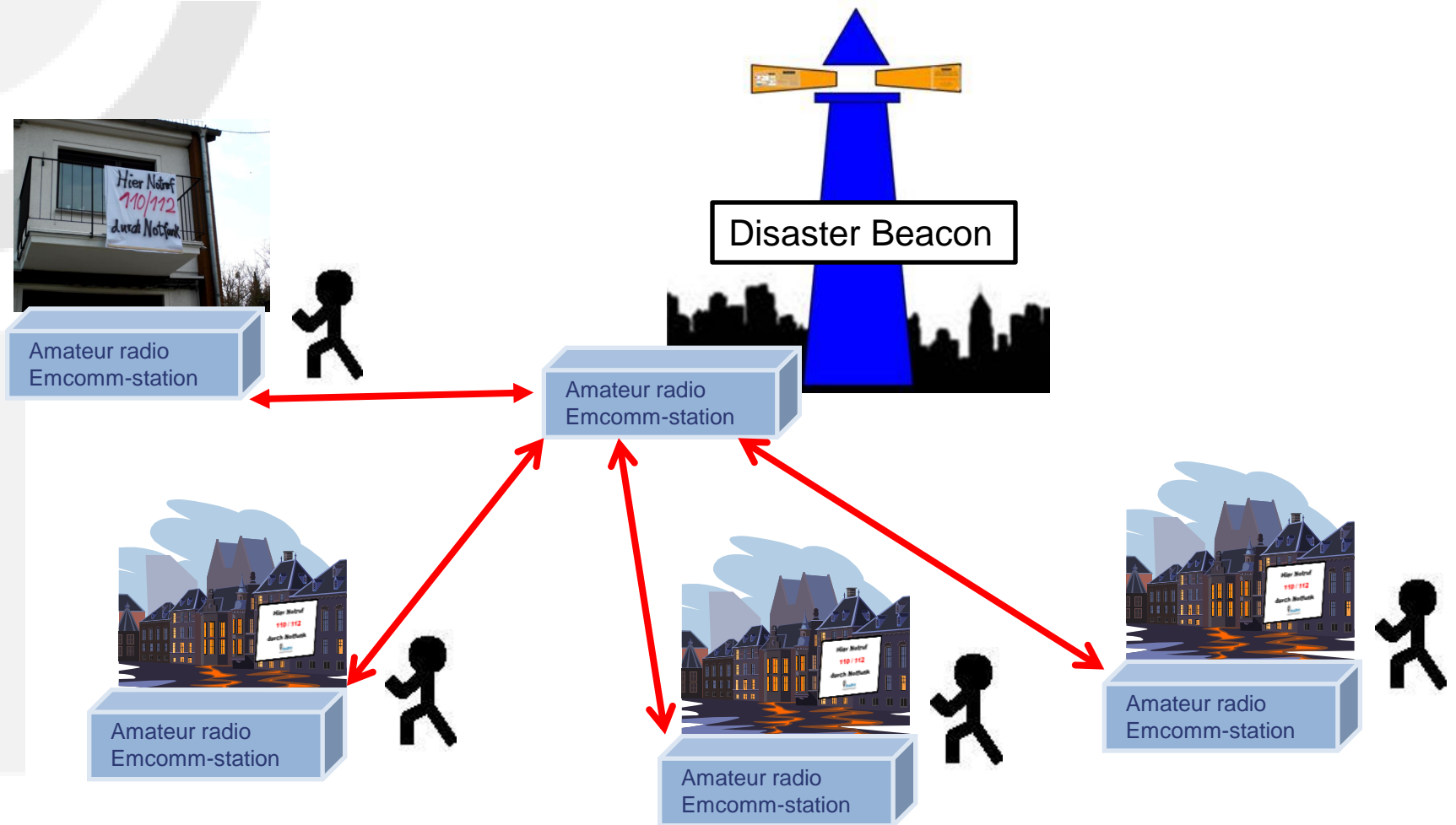


Quelle:
Hochschule für Wirtschaft und Recht, Berlin
Prof.Dr.Birgitta Sticher /Benedikt Schweer

Support by amateur radio for population: Mini-beacons

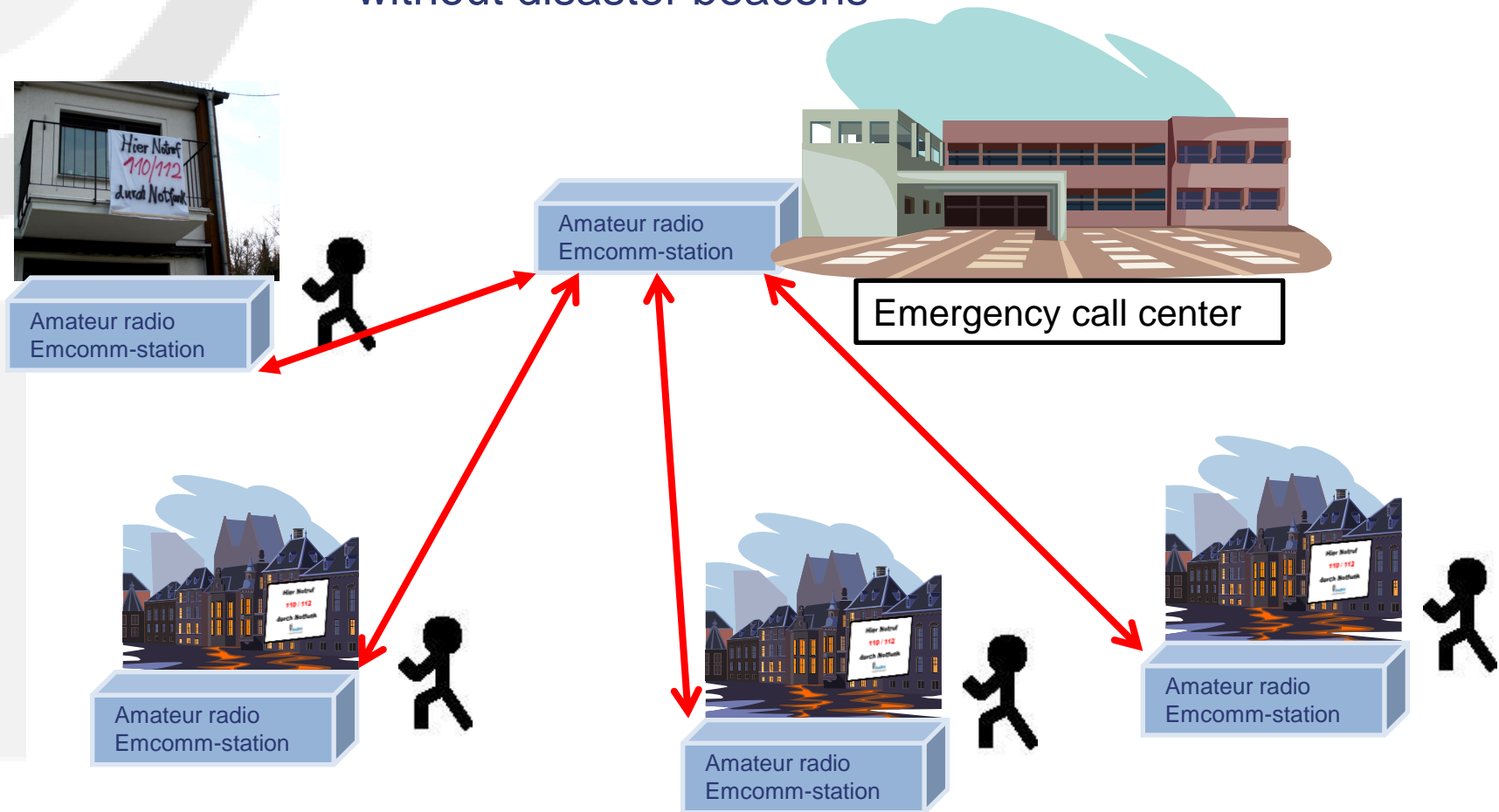


Wide spread access for population: Mini-beacon system



Wide spread access for population: Mini-beacon system

Alternative for regions
without disaster beacons



Thank you for your attention

Further information:
<http://www.kat-leuchtturm.de>