



BERLINER  
FEUERWEHR



# KATRETTETTER

*a new instrument to integrate civil skills  
(in the management of major disasters)*

EFA Round Table

October 18<sup>th</sup> 2018 - Tarragona

# History

- Project ENSURE (2013-2016)
- sponsored by the Federal Ministry of Education and Research of Germany
- Project partners: among others Berlin Fire Brigade and Fraunhofer FOKUS
- research of possibilities to integrate civil citizens into emergency response

# ENSURE

- Polls
- Legal issues and data security
- Training
- Prepare for implementation
- Use cases



forward information



first aid



care for persons affected



clear the access



save valuable goods



fill sandbags

# Lessons learned from ENSURE

- Integration is possible
- Integration is necessary
- Integration must be organized
  
- Berlin Fire Brigade was interested to install a so called co-helper-system after terminating the ENSURE project

# Demands from the GRA

- Global Resuscitation Alliance (GRA)
- 10 Steps to improve cardiac survival
- One Issue is the integration of first responders

# What is the Problem?

- EMS arrives on scene in 8-10 minutes
- Reduction of time without therapy for patients with cardiac arrest
- Every minute of hypoxia reduces survival rate 10%
- Arrival of EMS within 4-5 minutes is not affordable

# Case numbers

- July 2018 in Berlin:
  - Alarm for a resuscitation: 1036 (including false alarm)
  - Initiated resuscitation: 201
  - CPR of bystanders: 55%
  - ROSC-Rate: 50%
  - ROSC while handover in hospital: 35%



# What is the solution?

- Dispatchers instruct bystanders to resuscitate
- Public training on first aid and resuscitation
- **Technical systems for dispatch of first responders**

# How does the System work?

- See presentation of Micheal Jendreck (Fraunhofer FOKUS)

# Challenges

- Defining standards
- Put up necessary interfaces (i.e. to control centre)
- Deal with politics
- Handle expectations of the own Employees

# Implementation

- Phase 0
  - Pre-test in a defined group
- Phase 1
  - Members of the Berlin Fire Brigade (professional and voluntary)

# Implementation

- Phase 2
  - Associated emergency physicians
  - Members of relief organization (e.g. German Red Cross)
  - Members of police and municipally hospitals
- Phase 3
  - Qualified public

# Next Steps

- Start with Rollout in autumn 2018
- Find out what works good and what does not work
- Produce case numbers

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