MICI: Combining Government and Linked Open Data in Emergency Management

Axel Schulz, Heiko Paulheim, Frederik Janssen

Technische Universität Darmstadt, Germany

Telecooperation Lab



TECHNISCHE

UNIVERSITÄT

DARMSTADT

 Seattle Real-time Fire Calls
Open Government Data
Deal time information about incidents

- Real-time information about incidents
- Incident type, position, and time





- Linked Geo Data
- Background information about objects with geo coordinates
- Critical infrastructure such as schools, hospitals, gas stations, ...



- Decreasing information overflow by classifying and filtering to relevant information
- Identifying critical infrastructure
- Classifying/filtering incidents by severity
- Improving the situational picture





- Rule engine working against live SPARQL endpoint (Linked Geo Data)
- Rules serve two purposes
 - Classifying incidents
 - Filtering irrelevant Linked Open Data
- Expert users can create their own rules







End User

Contact:

Axel Schulz (aschulz@tk.informatik.tu-darmstadt.de), Heiko Paulheim (paulheim@ke.tu-darmstadt.de)