Opti-Alert: Personalized alerting via different multi-channel alerting systems

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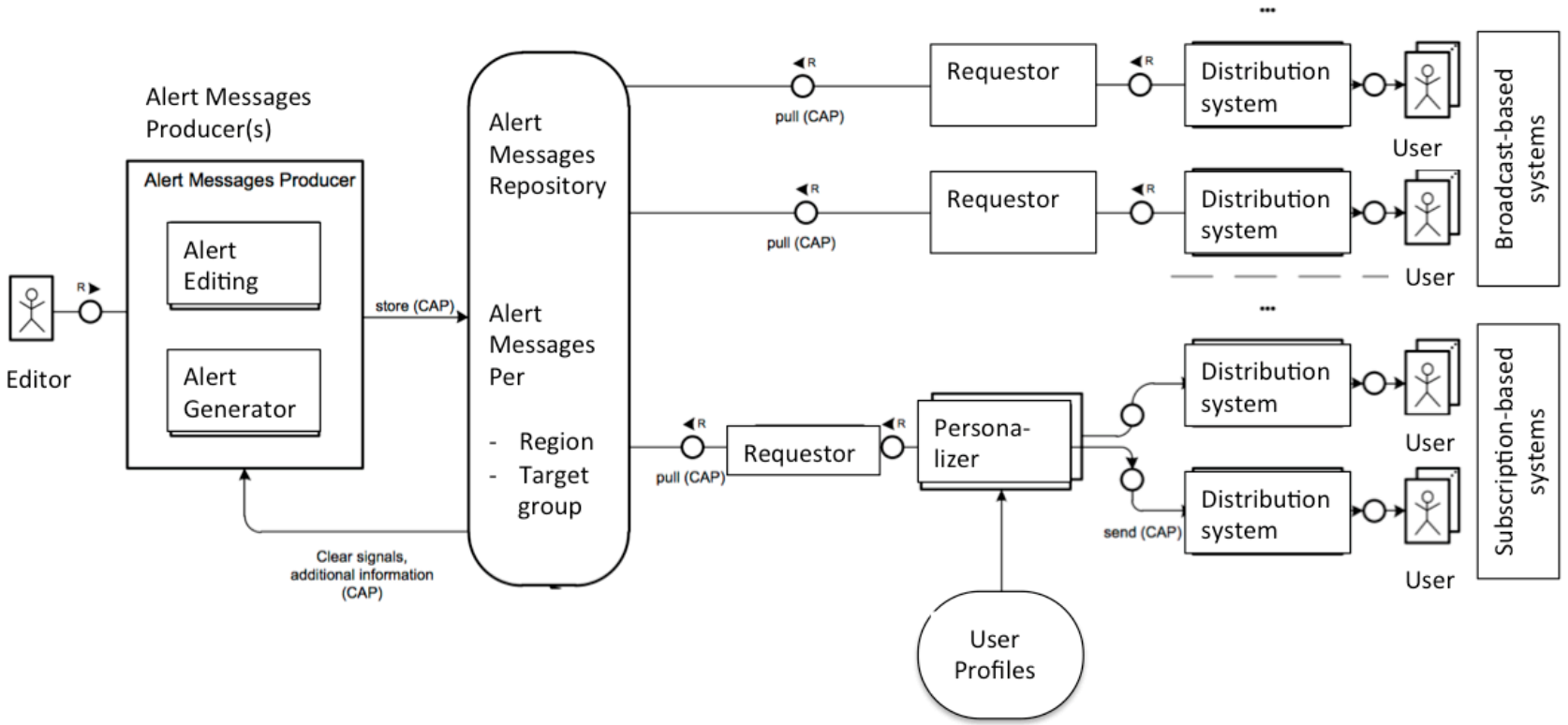
Agenda

- The Opti-Alert project
- Architectural concept of the Opti-Alert system
- Demonstration Scenarios
- User interface and alert composition
- Live demonstration of the alert system (in the lobby)

The Opti-Alert project

- EU research project
- Funded under the 7th Framework Programme (Grant Agreement No. 261699)
- Goal: raising the efficiency of alerting systems
  - through personalization of alert messages
  - through the integration of different heterogeneous alerting components (distribution systems and front-ends)
- Interdisciplinary project involving partners from six different countries: Austria, France, Germany, Italy, the Netherlands, Sweden
- Duration January 2011 – April 2014

Architectural concept



- Scenario 1: Expected severe flooding in the City of Hamburg

The photo indicates the area of the fish market which often suffers from severe flooding (source: Pixelio).

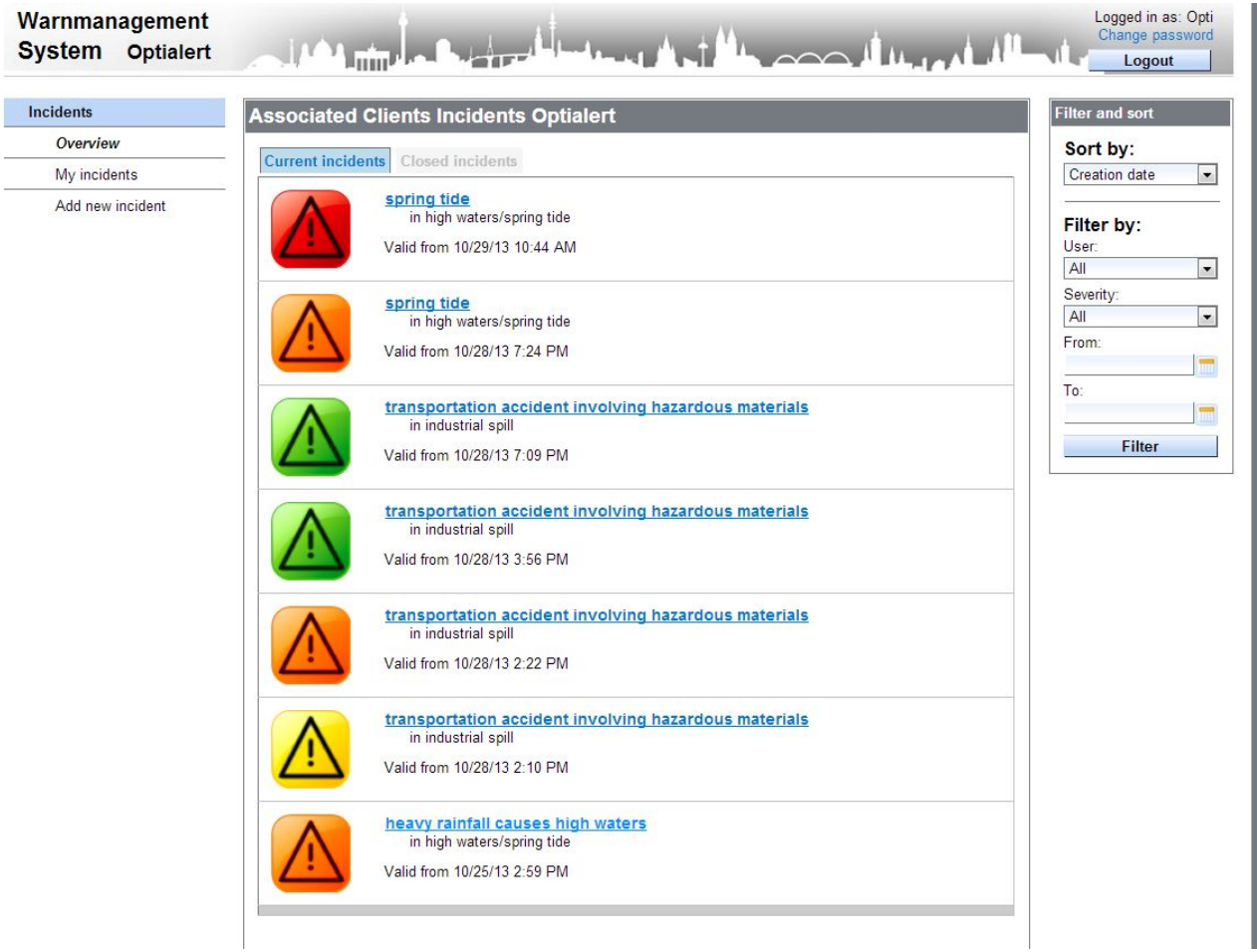
- Toxic gas emission

due to a burning road tanker

Goals:

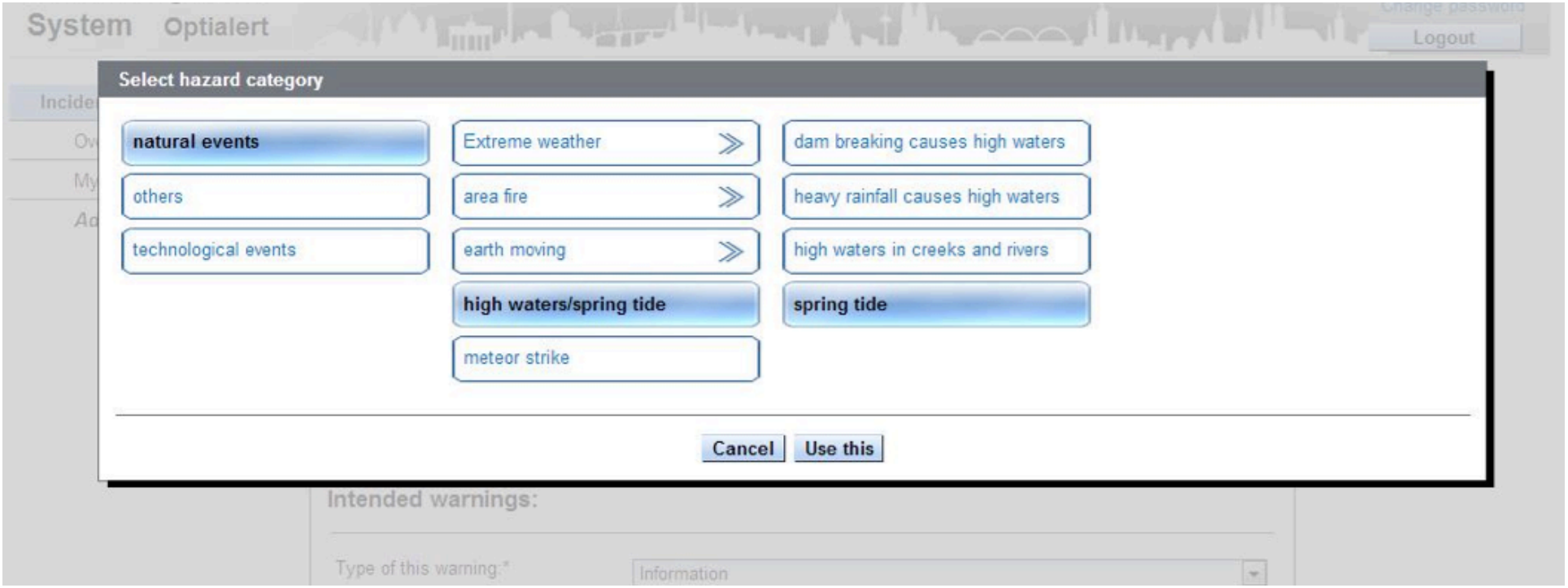
- Demonstrate personalized alerting
  - Foreigners (language!)
  - Parents with children
- Demonstrate the integration of (currently 2) different alerting systems
  - Subscription based / broadcast-based
  - Alerting Channels: E-Mail, SMS, Pagers

The „Warn Management System“ (WMS)



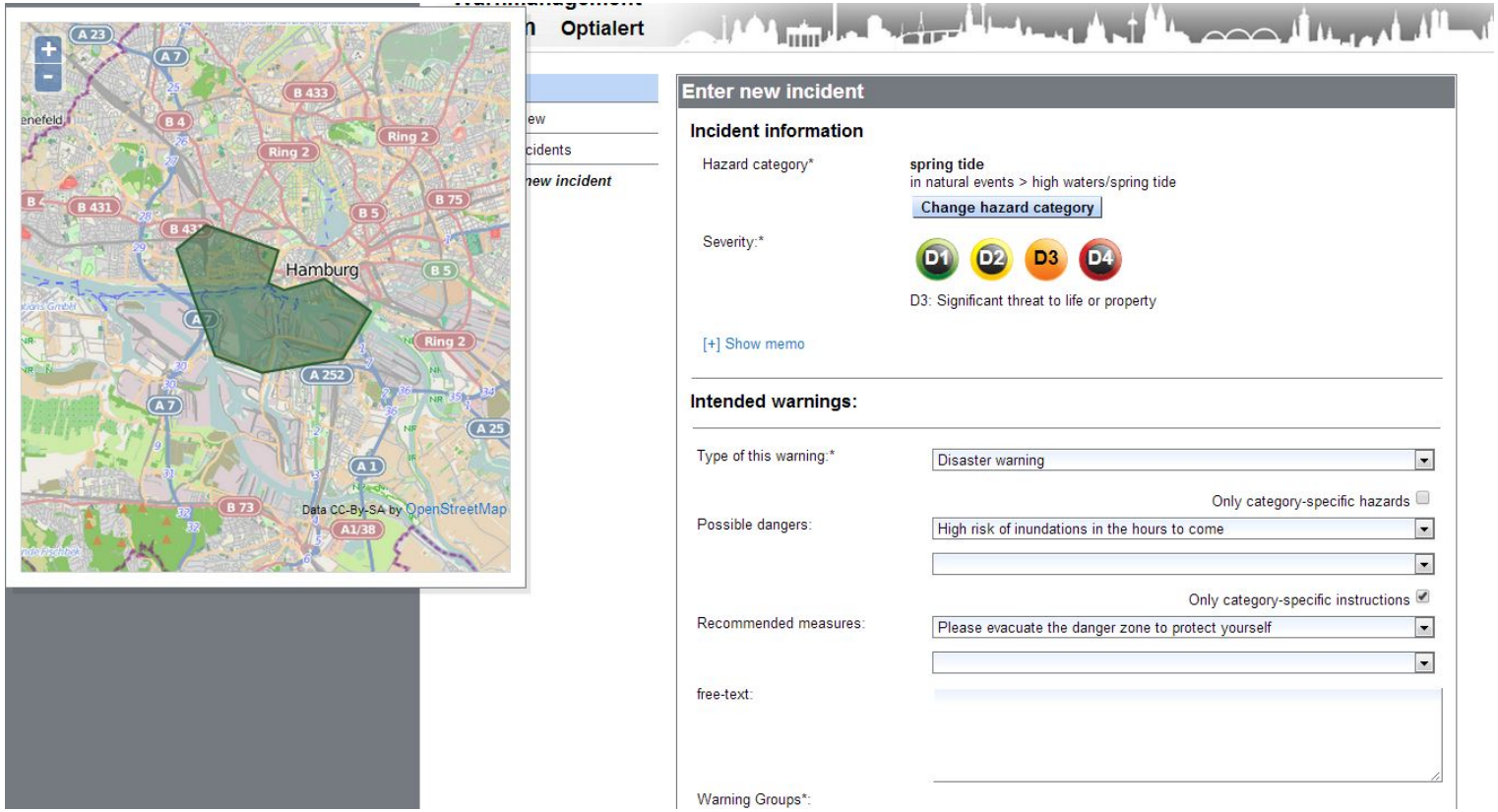
Opti-Alert: Composing the Alert Message

- Step 1: Categorizing the type of alert



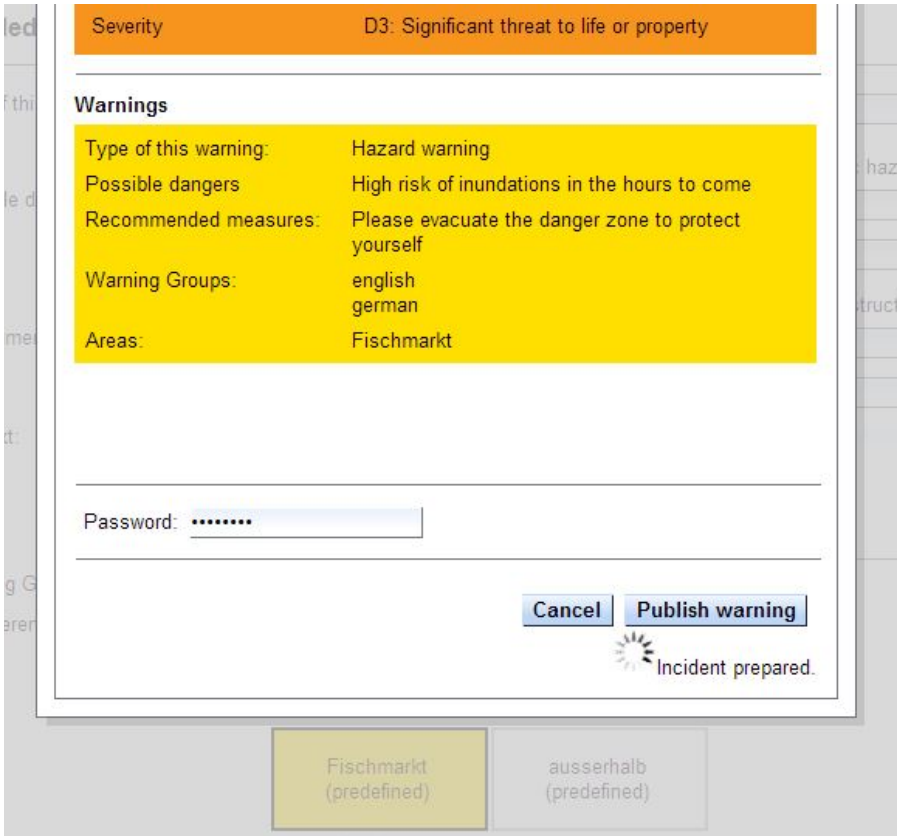
Opti-Alert: Composing the Alert Message

Step 2: Defining the alert parameters



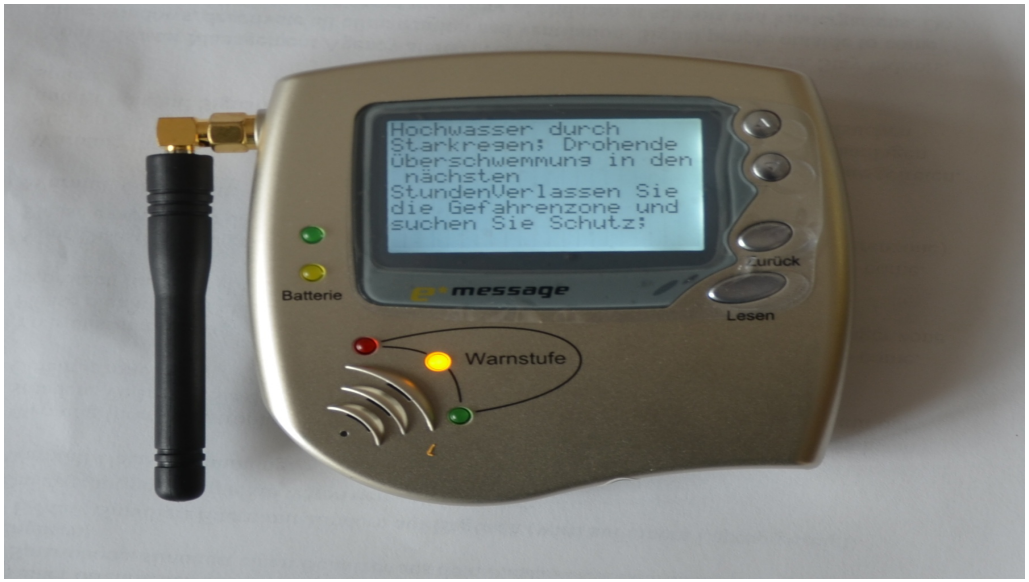
Opti-Alert: Composing the Alert Message

Step 3:
Confirming
the alert



Distribution of alert messages

via mobile phones and pagers



Distribution of alert messages

via e-mail

High risk of inundations

Postcode: D-22765
Severity: Severe
Valid until: 31.10.2013, 02:52

Your Disaster Management Agency alerts: High risk of inundations in the hours to come.

Recommended Instructions

Please pick up your children at school or at the kindergarten. Then evacuate the danger zone to protect yourself!

Danger Area Map

This message was distributed by the civil protection service. In case of questions or recommendations you can contact us at : contact@opti-alert.eu.

Thank you for your attention!
Please visit our demonstration stand outside

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