Preparation Large Scale Events

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http://www.rescuer-project.org

MOTIVATION

At the Incident Place and Time But Shocked, with Fear and Uncertain



Eyewitnesses

At the Incident Place after the Incident Time with Little Time for Reports



First Responders

At a Remote Place Informed by Witnesses and First Responders



Command Centre

Close to the Place of the Incident Unaware of the Incident OR Informed by Friends or Relatives



Affected Community

At a Remote Place Coordinated by Command Centre Informed by First Responders



Operational Forces

At a Remote Place Informed by Public Communication Means



General Public

Reliable and Smart Crowdsourcing Solution for Emergency and Crisis Management

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CONCEPT Goal and Main Application Scenarios

Development of an interoperable solution to support emergency and crisis management command centres in quickly handling emergencies and managing crises based on reliable and intelligent analysis of crowdsourcing information mashed up with open data

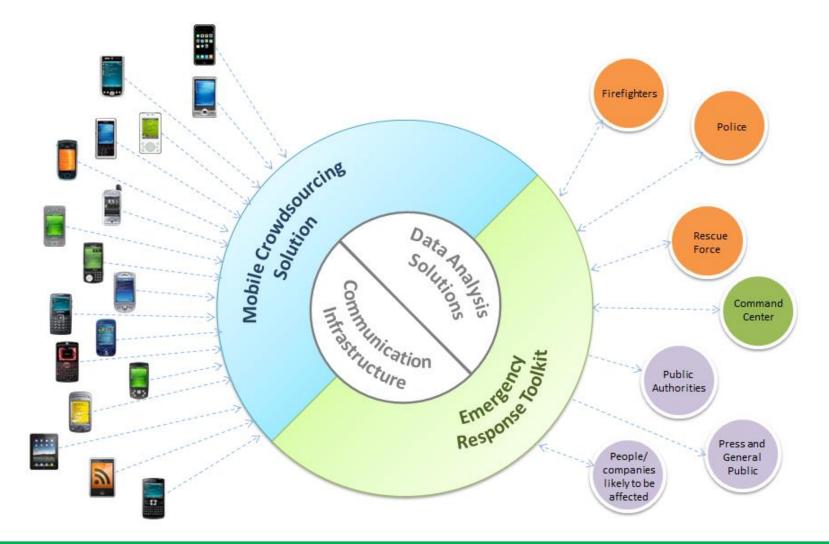
Large-scale Events



Industrial Areas



CONCEPT Main Components



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TRAVEL ITINERARY



Smart Cities



Ad-hoc Communication



Emergency Response Toolkit



Multimedia Data Analysis



Emergency & Crisis Management Systems



Smart Emergency & Crisis Management Systems



Mobile Crowdsourcing Solution

SCIENTIFIC OBJECTIVES

- Targeted interaction with the crowd at the place of the incident but appropriate in terms of risk exposure
- (Semi-)Automatic fusion, aggregation and analysis of multimedia data
- Optimised aggregation of intuitive metaphors for visualisation and manipulation of information



SCIENTIFIC OBJECTIVES

Customised communication of the incident and its consequences targeted to the audience

Ad-hoc communication between people in the crowd



EXPECTED IMPACTS ON ECONOMY AND SOCIETY

- Significant reduction of adverse consequences in case of incidents in industrial areas or in large-scale events
 - Life x Economy x Environment

An effective and efficient emergency and crisis management based on modern technologies sells a positive image of the involved organisations even if an incident occurs

- Opportunities for further projects
 - Research x Technology transfer x Development
 - Within the consortia x Outside the consortia
 - In the light of, but also independently from, the upcoming large sport events in Brazil

EXPECTED IMPACTS ON TECHNOLOGY

- New trend in market of emergency and crisis management
- Tailored user interaction mechanisms
- Novel multimedia data analysis methods and visualisation
- Potential contribution to standards (peer-to-peer, reference architecture, portability/variation strategy, quality specifications, conceptual model (ontology))

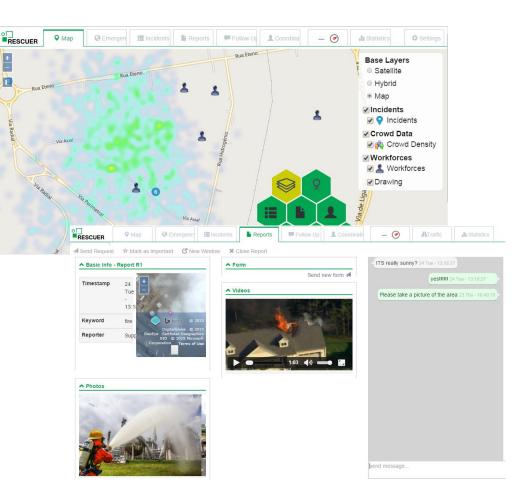
People visiting a Large Scale Event can report an incident, send pictures and videos



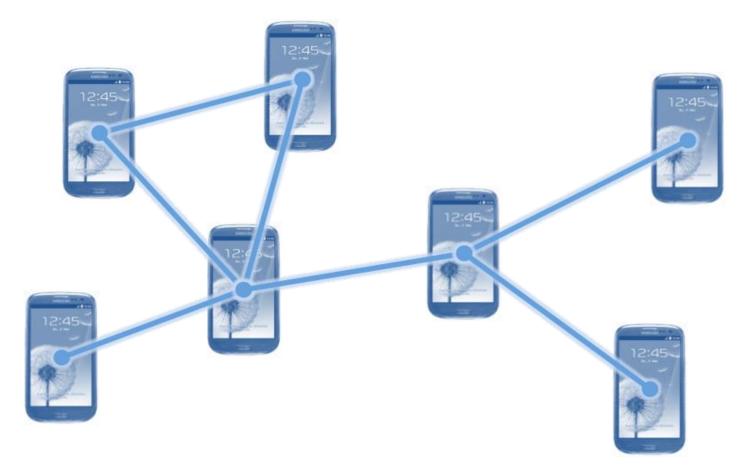
	Fire		
Describe			
Are you seeing pe	ople injured	1?	
injured people		nobody injured	
What is the dime	nsion of the	fire?	~
small	medium		
are you seeing fla	mes and sm	noke?	
flames and smoke		just smoke	
Vhat is the color light grey	of the smok		other color
ake some picture	s		
0	0		0
	Send		



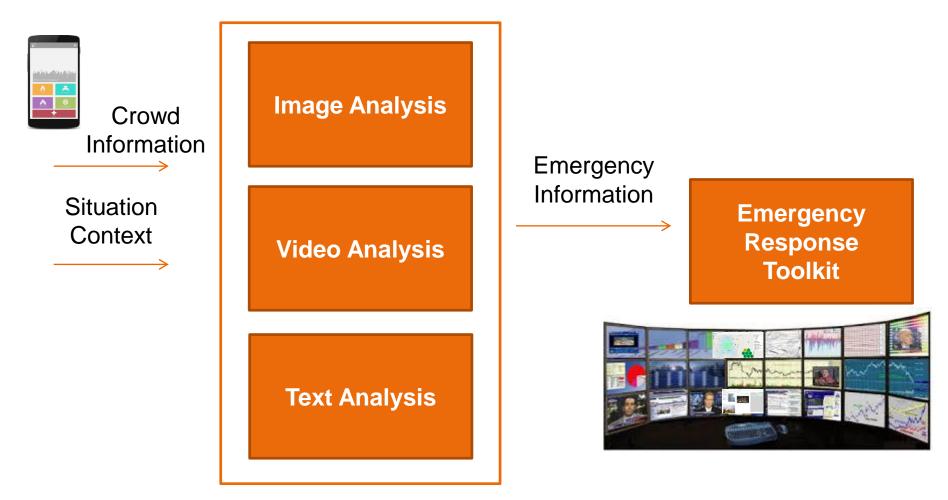
- Emergency Response Toolkit
 - Information Visualisation
 - Public Communication
 - Crowd Steering
 - Follow an incident



Ad hoc Communication when Mobile Network fails



Crowdsourcing information is analysed



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Thank you for your attention !