

# athena

EMPOWERING CITIZENS, PROTECTING COMMUNITIES

Stephanie Young, Swedish Defense University



Project ATHENA  
This project is co-funded by the European Union  
Seventh Framework Programme SEC Call 1 - FP7-SEC-2012.6.1-30

# Partners

- West Yorkshire Police Authority (United Kingdom)
- International Organisation for Migration (Belgium)
- Sheffield Hallam University (United Kingdom)
- Fraunhofer Institute (Germany)
- SAS Software Limited (United Kingdom)
- Epidemico (Ireland)
- Municipality of Ljubljana/GBL Fire Brigade (Slovenia)
- Thales Nederland BV (Netherlands)
- University of Virginia (United States)
- Swedish Defence University (Sweden)
- EPAM Systems (Nordic) AB (Sweden)
- Izmir Buyuk Sehir Belediyesine (Turkey)
- Research in Motion (Canada)



# ATHENA EU FP 7 Project

- 3 year project
- Leverage the potential of social media for disaster management and emergency planning

Utilize all of society's resources in preparing, responding, recovering, adapting, and learning from crises and emergencies



# President Hollande tweets in the wake of the November 13 attacks...



**François Hollande** 

@fhollande

 Follow

Face à l'effroi, il y a une Nation qui sait se défendre, sait mobiliser ses forces et, une fois encore, saura vaincre les terroristes.

3:22 PM - 13 Nov 2015

  31,801  15,485



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**During Paris Attacks, Kind Hearted Parisians Unite Using Hashtag #PorteOuverte To Offer Shelter To...**

As the possible terrorist attack situation in Paris continues to develop, the world remains in shock. Multiple shootings and explosions in the French capital

**Inquisitr News** Nov 14, 2015

**Related articles** [View all](#)

**Parisians use #PorteOuverte to offer strangers shelter on a deadly day**

People caught in the streets of Paris without a place to stay in the wake of Friday's terroris...

**CTV News** Nov 14, 2015

**Here's how you can help victims of the Paris terror attacks**

France is reeling from a wave of horrific terrorist attacks in central Paris late Friday night,...

**Mashable** Nov 14, 2015



# It will create a new platform to enhance the response to crisis situations through :

- Improving warning, situational awareness, analysis, and coordination
- Engaging pre-first responders
- Empowering citizens and
- Promoting community self-help



- **i) Compiling a set of best practice guidelines** for using new media communications and supporting tools and technologies in crisis situations.
- **ii) A suite of prototype software tools** to enhance the use of social media and support technology in crisis situations and for educational purposes.



### Crisis Mobile

**ATHENA Citizen Reporter 'point & shoot'**

**Location and Time** **Taxonomised/CML Crisis Information**

**HELP!**

**ATHENA Life Support System**

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**Crisis Alerts**

**Crisis Map Mobile Version** **Links to Crisis Pages**

**siseadlines – Crisis Headlines – Crisis**

### Crisis Information Processing Centre

#### Acquisition & Pre-Processing Tools

**Social Media Scanner**

**Filter System**

**Crisis Taxonomy System**

**Citizen report streaming /recording centre**

**Speech Recognition voice to text**

#### Aggregation & Analysis Tools

**Credibility Scoring role + context**

**FCA Summarising**

**Classification /Clearance System**

**Data Fusion**

**Sentiment Analysis**

#### Interoperability

**Crisis Management Language**

**Decentralized Intelligence Processing Framework**

#### ATHENA Cloud Secure Information Centre

#### Social Media

**Crisis Pages @crisis**

facebook.com/crisis

crisis.wiki.org

crisis.blogspot.com

### Crisis Command & Control Intelligence Dashboard

#### Crisis Map

**ATHENA Citizen Reporter Feeds**

**Add to map:**  
 Danger zones  
 Safe Routes  
 Distress Signals  
 CML messages

**Event Summaries**

**+ ZOOM -**

#### Social Media Content Management Tool

#### Crisis Summary & Query Tools

**CML**

**Mobile Communications Centre**

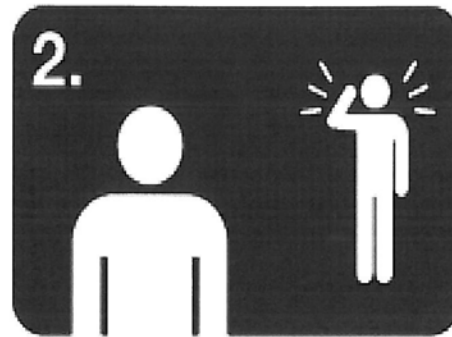
**ines – Crisis Headlines – Crisis**



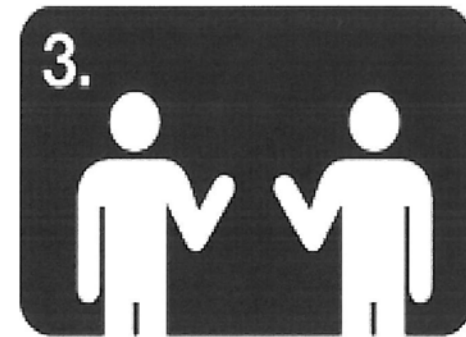
# 3 Steps to Helping



**Report a problem  
or solution.**



**Look for reports  
near you.**

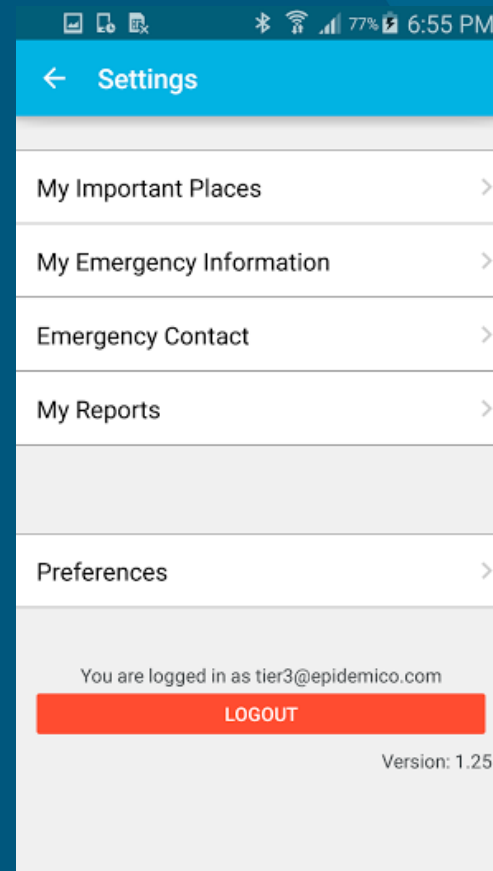
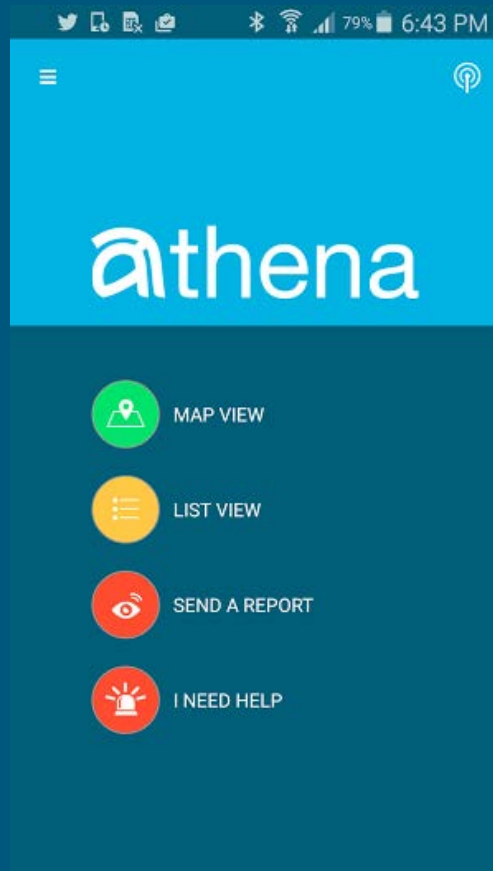


**Use the report's  
comment section  
to connect with  
neighbors.**



# Mobile App

## Overview



# Mobile App

## User Information

The screenshot displays three screens from a mobile application. The first screen, titled 'My Emergency Information', shows details for Tom Kipling: Name (Tom Kipling), Blood Group (A-), Government ID (8700abc), and Phone (1256980556). The second screen, 'Emergency Contact', lists Ron Kipling with a Cell number (155635698) and a Home number (234455890). The third screen, 'My Important Places', shows a list with 'home' and 'office' entries, and a map view of the 'home' location at Malibransquare, 1050 Ixelles, Belgium. The map shows the surrounding streets and landmarks in Ixelles, Brussels.

**My Emergency Information**

Name	Tom Kipling
Blood Group	A-
Government ID	8700abc
Phone	1256980556

**Emergency Contact**

Name	Ron Kipling
Cell	155635698
Home	234455890

**My Important Places**

- home
- office

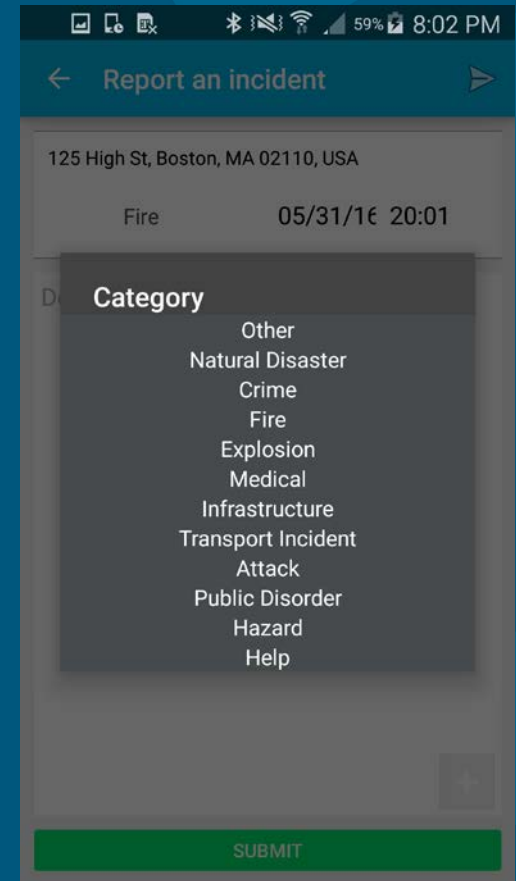
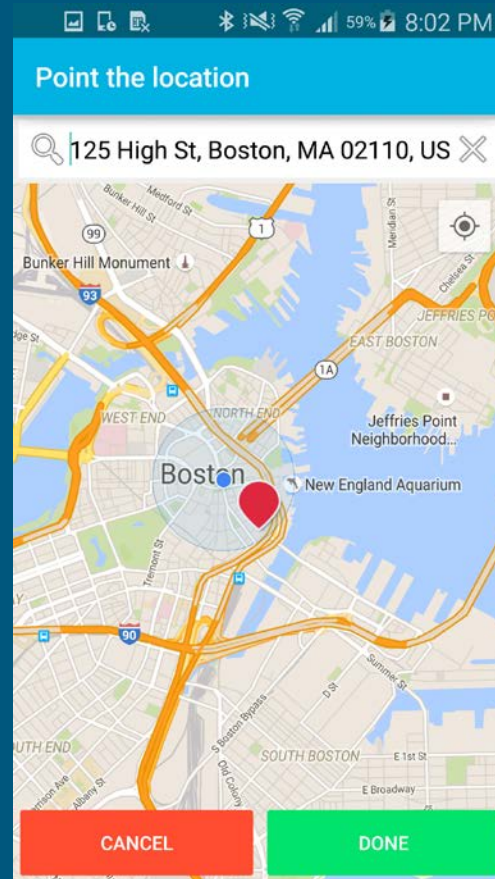
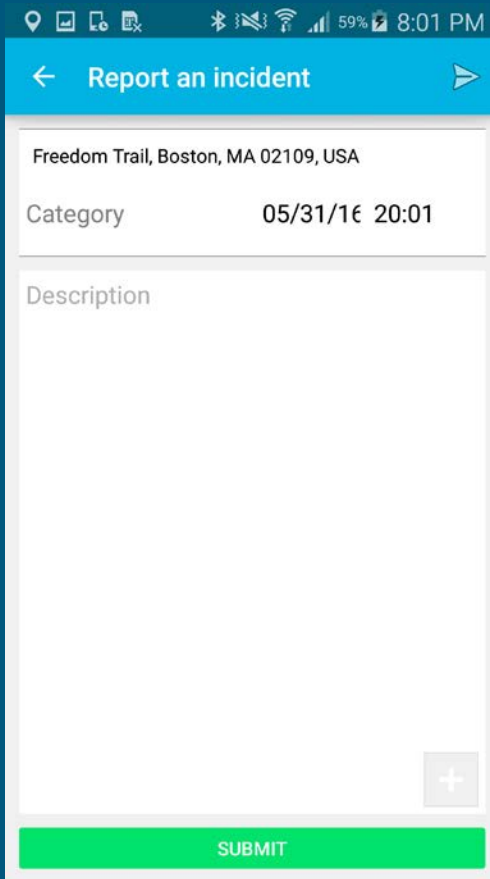
**Map View: Malibransquare, 1050 Ixelles, Belgium**

Map labels include: Rue Goffart, Rue Sans Souci, Rue du Viaduc, Rue Maes, Rue Lanfray, Rue Borrens, Rue de l'Étang, Rue du Sceptre, Rue Gray, Rue du Vivier, Rue de Theux, Rue Wéry, Rue Marie-Henriette, Rue Vilain XIII, Chaussee de Vieuxgast, Rue Gaehard, Ixelles, Gemoir Mouterij, Koninklijk Belgisch Instituut voor...



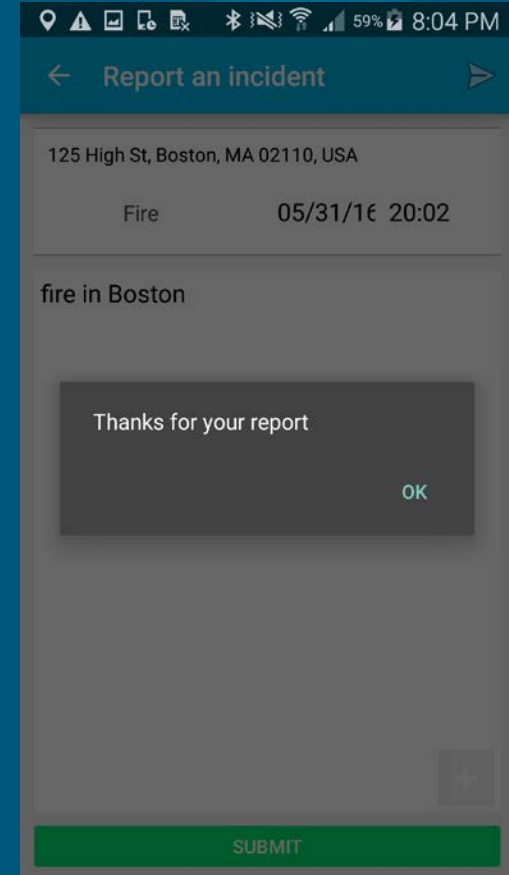
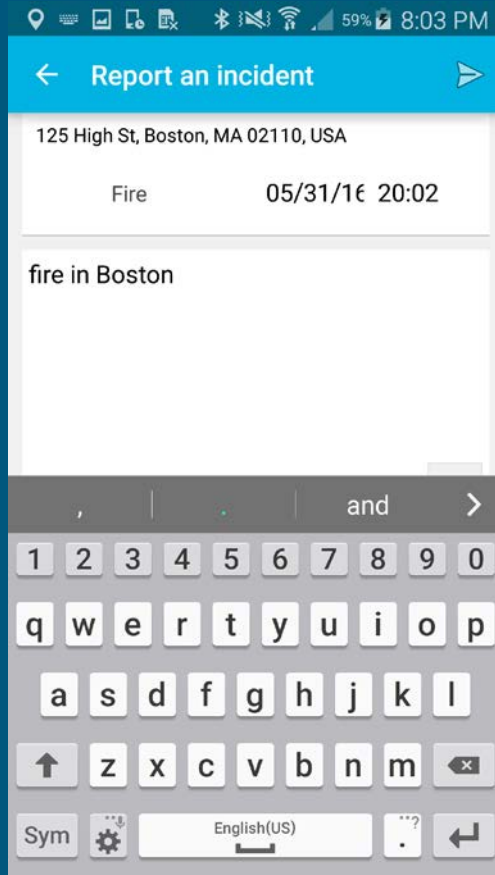
# Mobile App

## Send Eyewitness Report



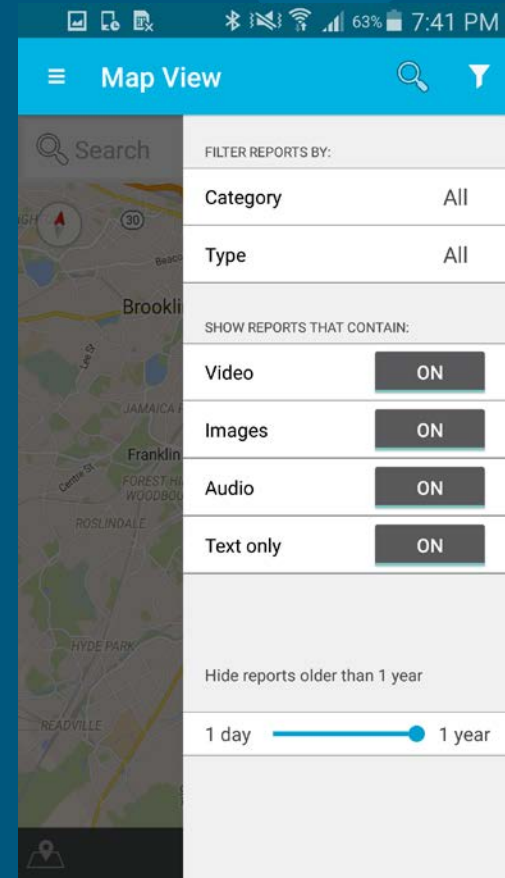
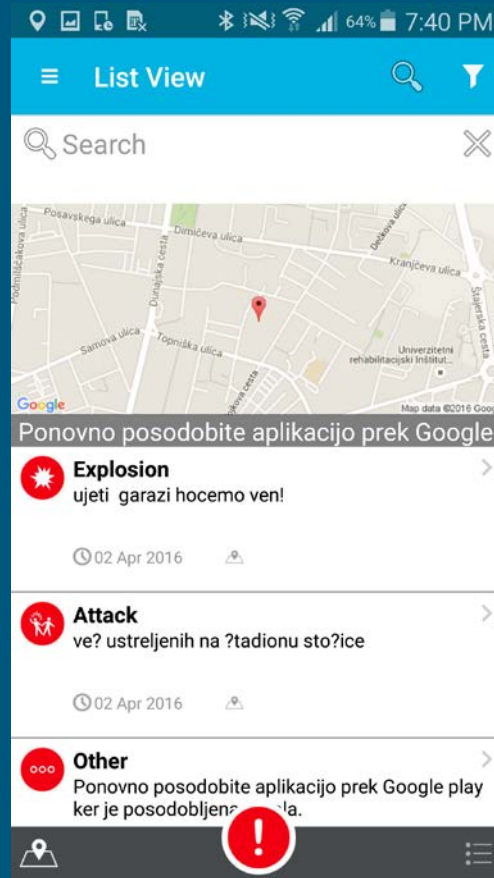
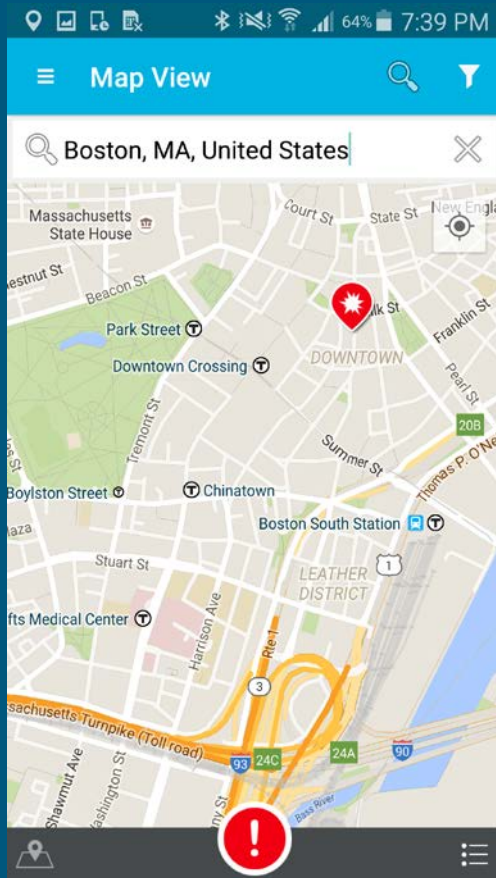
# Mobile App

## Send Eyewitness Report



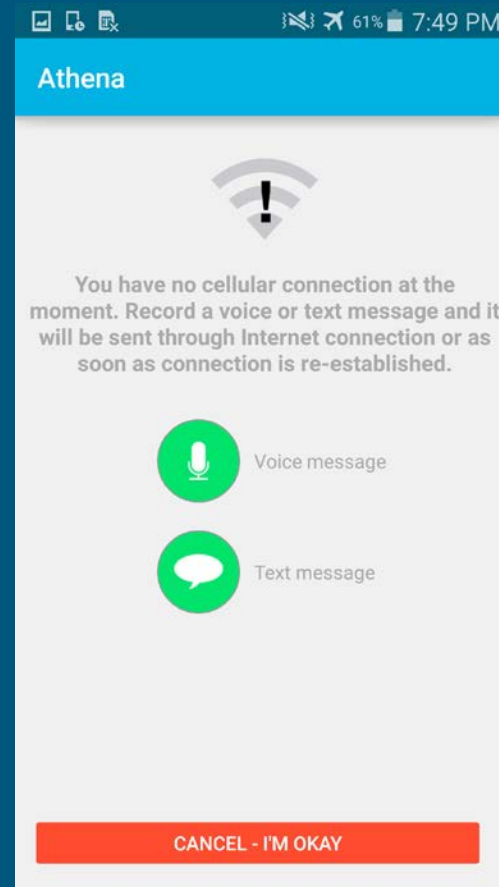
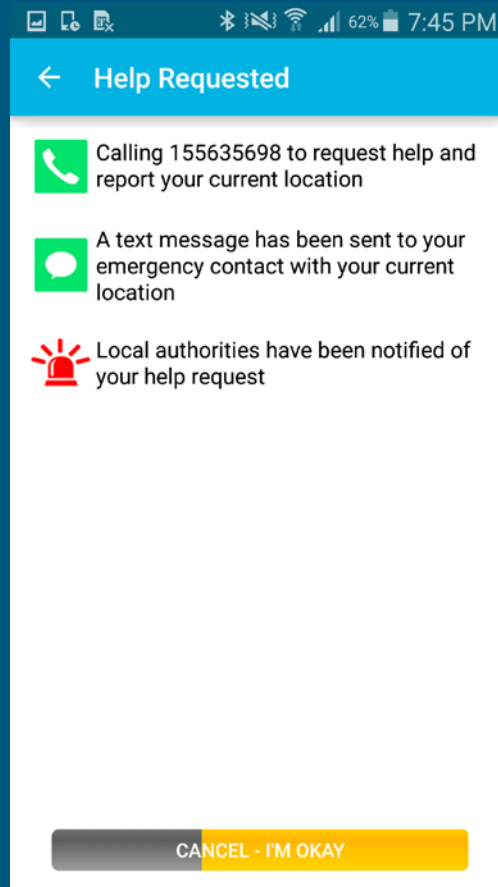
# Mobile App

## See Reports



# Mobile App

## Send Help Request



# ATHENA: Testing and Exercises

- Prototype Test 1 (Izmir, Turkey) – June 2015
- Prototype Test 2 (Ljubljana, Slovenia with remote teams in Stockholm, Sweden and West Yorkshire, UK) – January 2016
- Prototype Test 3 (Ljubljana, Slovenia)- April 2016
- Live Play (UK with several remote teams) – October 2016



# More about Athena

Athena newsletter

[www.projectathena.eu](http://www.projectathena.eu)



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# Tack för din uppmärksamhet!

## Frågor eller kommentarer?



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