

MAPPERS – V

THE APP FOR VOLUNTEERS

USERS' GUIDELINES



MAppERS
video tutorials



Funded by the EU



MAppERS - Mobile Applications for Emergency Response and Support - is a project funded by the European Commission, DG-ECHO - ECHO/SUB/2013/661013 (2013-2015)

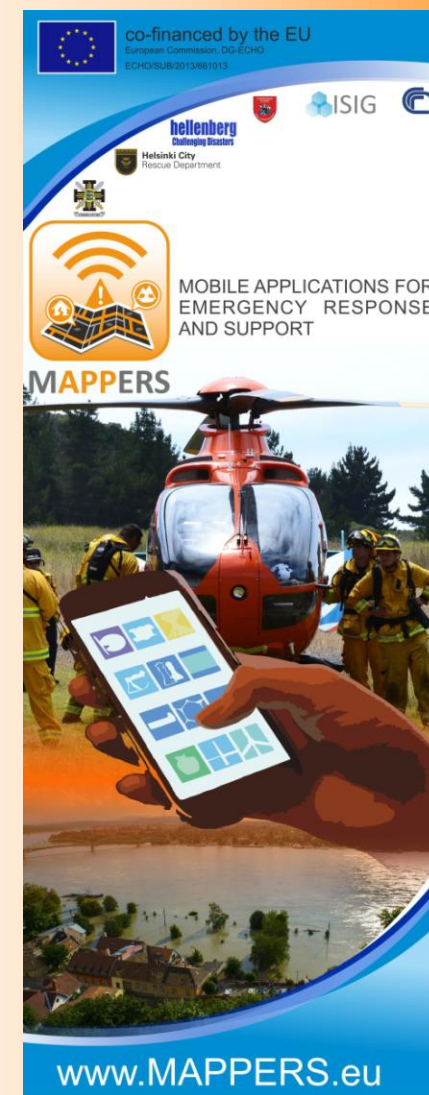
MAppERS aims at identifying gaps in the information sharing system in terms of territorial knowledge, risk prevention and emergency. Moreover, it deals with the citizens' role as 'territorial mappers' through the development of a smart phone application that allows the sharing of GPS-localised, precise information on risk situations from the population to civil protection operators.



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MAPPERS – THE PROJECT

MAppERS (2013-2015)

European Commission, DG-ECHO - ECHO/SUB/2013/661013

MAppERS aims at identifying gaps in the information sharing system in terms of territorial knowledge, risk prevention and emergency. Moreover, it deals with human role as 'territorial mappers' through the development of a smart phone application that allows the sharing of GPS-localised, precise information on risk situations from the population to civil protection operators.

The whole process of designing, updating feedback from citizens, and involving them in training courses on the monitoring of the territory fulfils a long term objective of creating involvement and participation from the population in hazard management. This is a focal point of a strategy for the active participation of citizens as actors of prevention of hazards, according to the priorities of action set by the Hyogo Framework for disaster risk reduction, reducing costs of recovery and emergency management and promoting a long term policy of responsabilisation of the population.

The pilot activity includes explanations and a training on operative functioning of the modules. The smart phone modules are to be later re-designed according to a methodological and technical feedback gained during the pilot study. Training curricula for citizens that wish to be involved in the monitoring of the territory in the long run are then to be defined so to promote territorial knowledge and awareness, give information and practical skills on smart phone technologies and specific efficient jargon to communicate hazard-relevant information. Furthermore, the system is to be implemented through a strategy of data monitoring including existing data loggers and instruments adopted on pilot study. A user-friendly integration of existing techniques will be implemented on top of a deep new architecture. A synchronized platform would allow both the protection of private data from citizens and the identification of the users in case of misuse of the smartphone information sharing.



TACKLING EMERGENCY



IMPROVING RESPONSE



PROVIDING SUPPORT

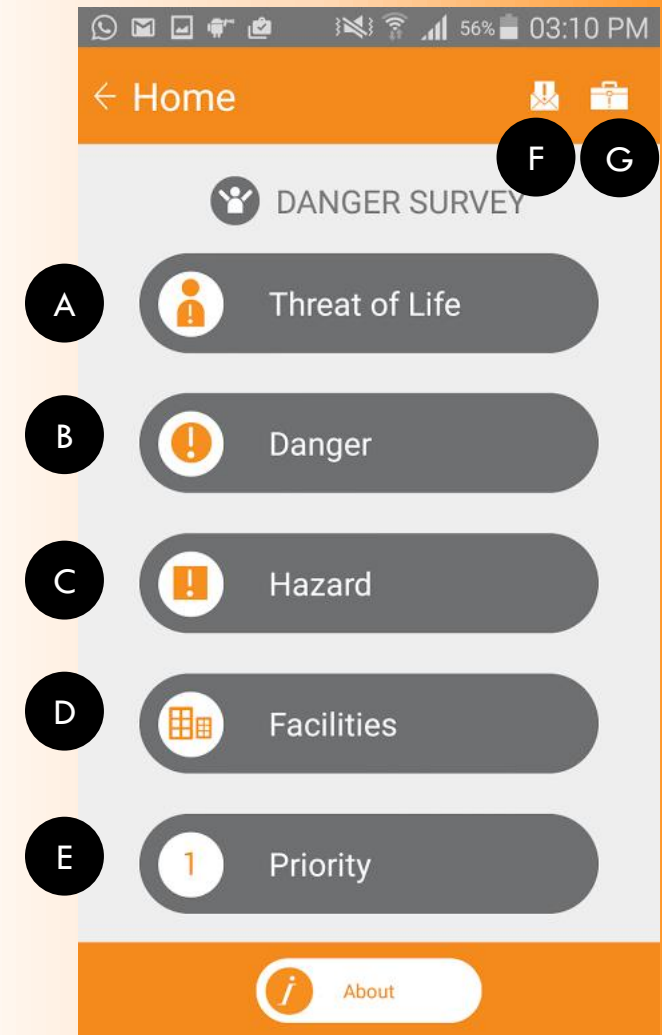


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VOLUNTEERS' KIT

From this display users can access:

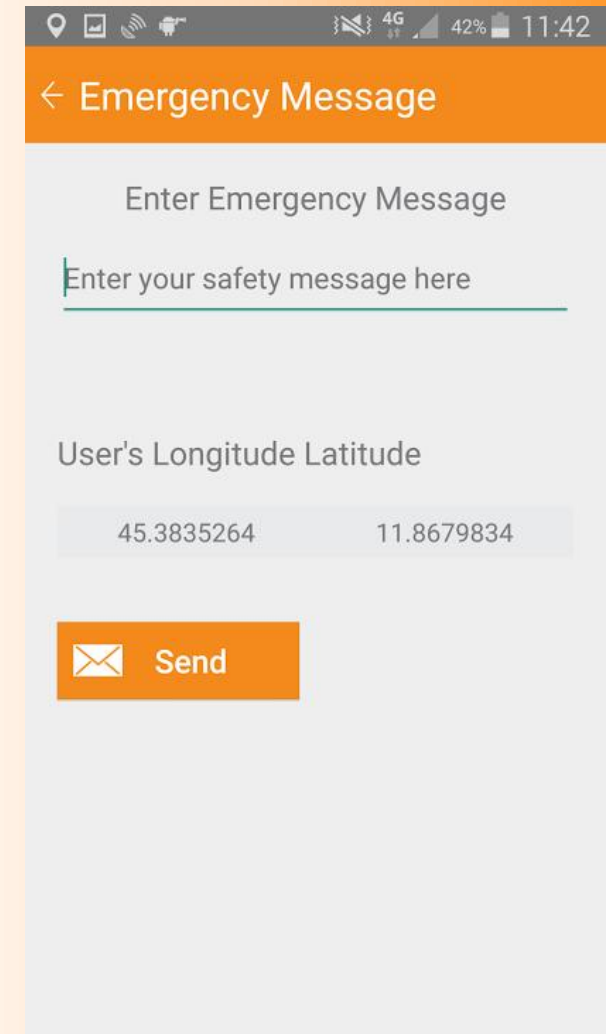
- Life Threat (A)
 - From where users can provide information on on-going or potential threats to human lives. Users can allow GPS recognition by the APP. [see page 14]
- Risk/Danger (B)
 - From where users can provide information ongoing risk and/or dangers [see page 15]
- Event (C)
 - From where users can provide structured information on the event at stake. [see page 16]
- Facilities (D)
 - From where users can provide structured information on the facilities involved in the event. [see page 17]
- Volunteers Map (E)
 - From where users can see all active volunteers on a shared map. [see page 18]
- Emergency message tool (F)
 - [see page 5]
- Emergency Toolkit (G)
 - [see page 6]



EMERGENCY MESSAGE

The tool “Emergency message” allows users:

- to send a customizable emergency message along with current coordinates.
- Fill-in a personalised emergency message
- Send it automatically to the list of contact previously uploaded in the “personal plan” [see page 7]



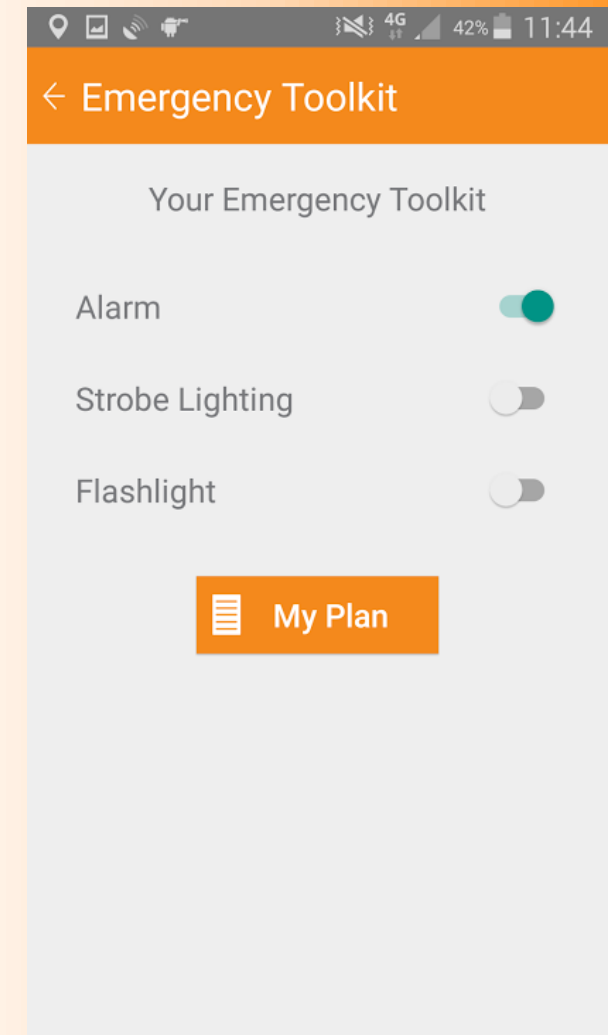
The screenshot shows the 'Emergency Message' interface within the MAppERS app. At the top, there's a status bar with icons for location, signal, and battery. Below it, the title 'Emergency Message' is displayed in white on an orange background. The main area has a light gray background. It features a text input field with the placeholder 'Enter your safety message here'. Below the input field, the text 'User's Longitude Latitude' is shown, followed by two input fields containing the coordinates '45.3835264' and '11.8679834'. At the bottom, there is an orange button with a white envelope icon and the text 'Send'.



EMERGENCY TOOLKIT

The Emergency toolkit groups together some useful tools, turning the user's mobile phone into an emergency device:

- an acoustic alarm
- a strobe light (if available on the user's phone)
- and a flashlight.

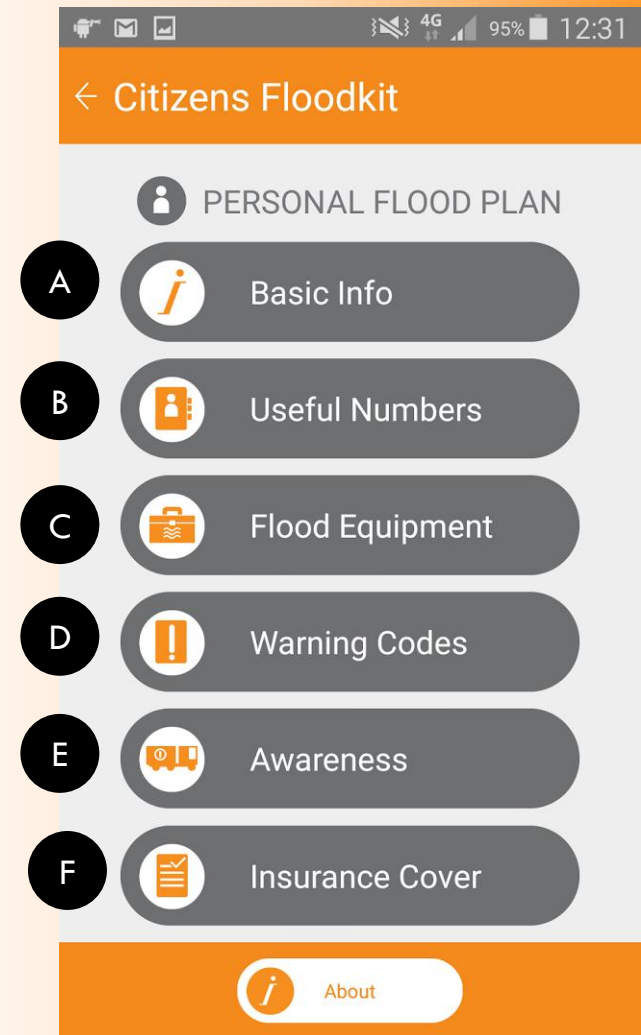


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PERSONAL EMERGENCY PLAN

From this display users can access:

- Basic info (A)
 - From where users can store and access contacts of family members and of people to be contacted in case of an emergency [see page 8]
- Useful numbers (B)
 - From where users can store access contacts of key service providers in case of an emergency [see page 9]
- Flood Equipment (C)
 - From where users can access information vital in case of flood. [see page 10]
- Alert levels (D)
 - From where users can access information of preparedness, early warning and emergency [see page 11]
- Awareness (E)
 - From where users can access information on preparedness, early warning and emergency measures [see page 12]
- Insurance cover (F)
 - From where users can store access information on their insurance schemes [see page 13]

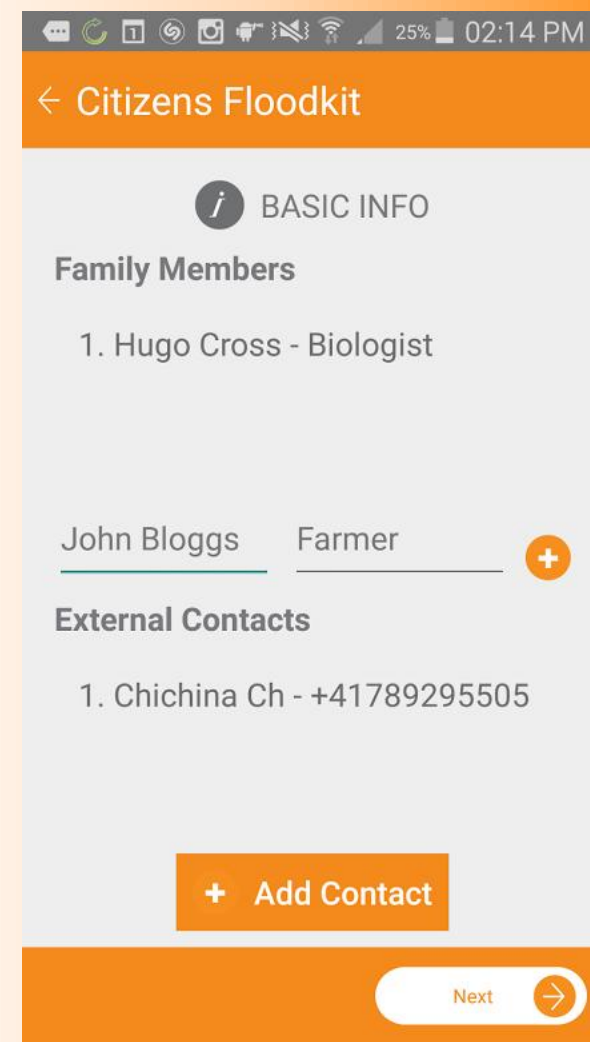


BASIC INFO

From this display users can access store and access:

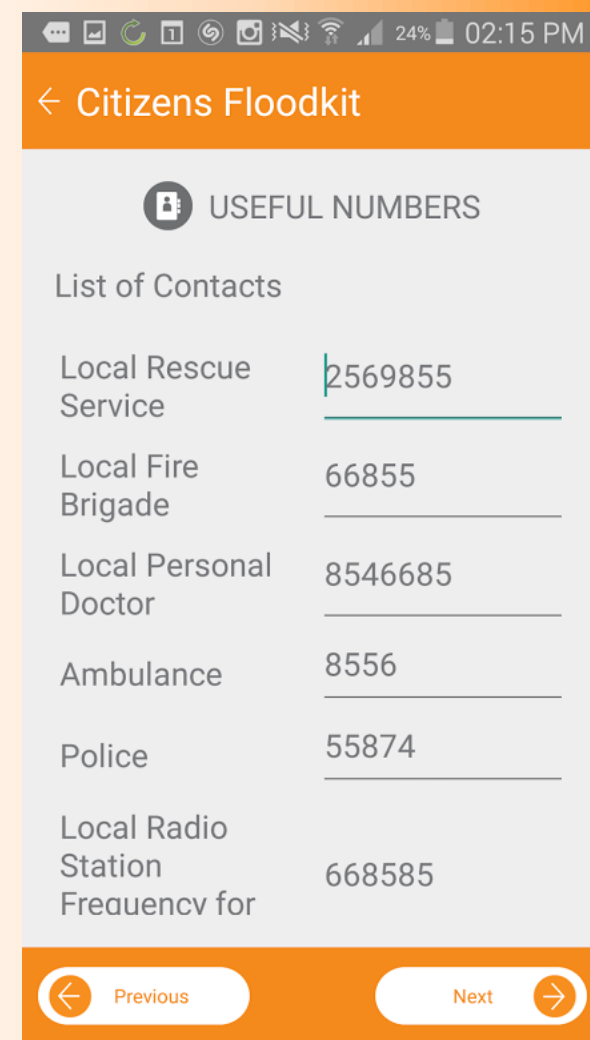
- Contact details of family members
- Contact details people to be contacted in case of an emergency

By clicking on the Add Contact button, users can add as many contacts as they like.



USEFUL NUMBERS

From where users can store access contacts of key service providers in case of an emergency



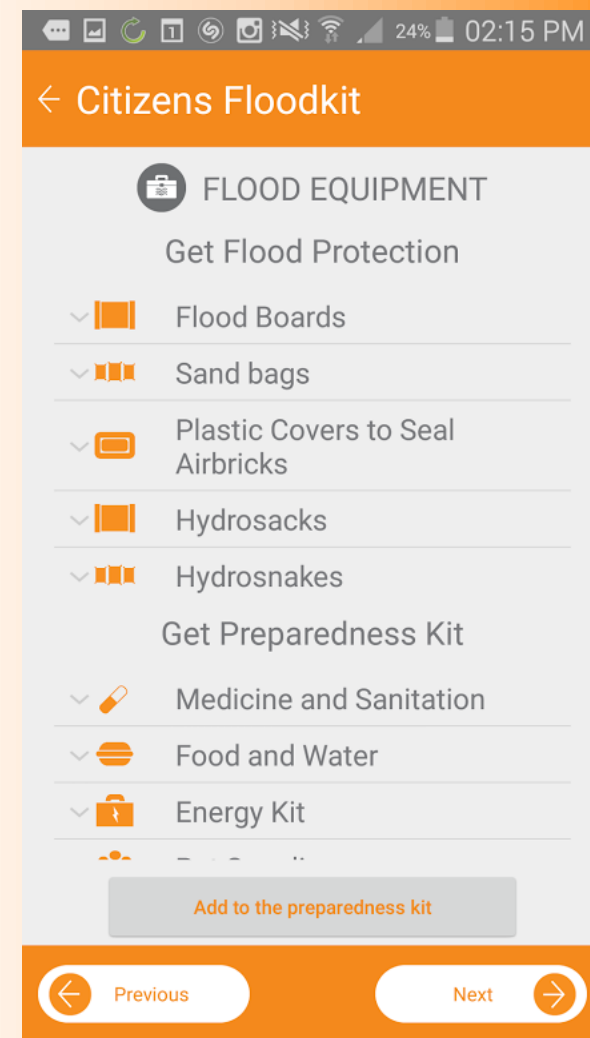
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FLOOD KIT

From this display users can access information on the so-called FLOOD EQUIPMENT. The tool is comprehensive set of information on measures, devices and equipment which enhance the household resilience in case of emergency.

The tool is divided in two sections:

- Protection measures: where users can access information about equipment for flood protection
- Preparedness measures: where users are equipped with a check-list to assess their level of preparedness and make plans to acquire missing items/equipment.

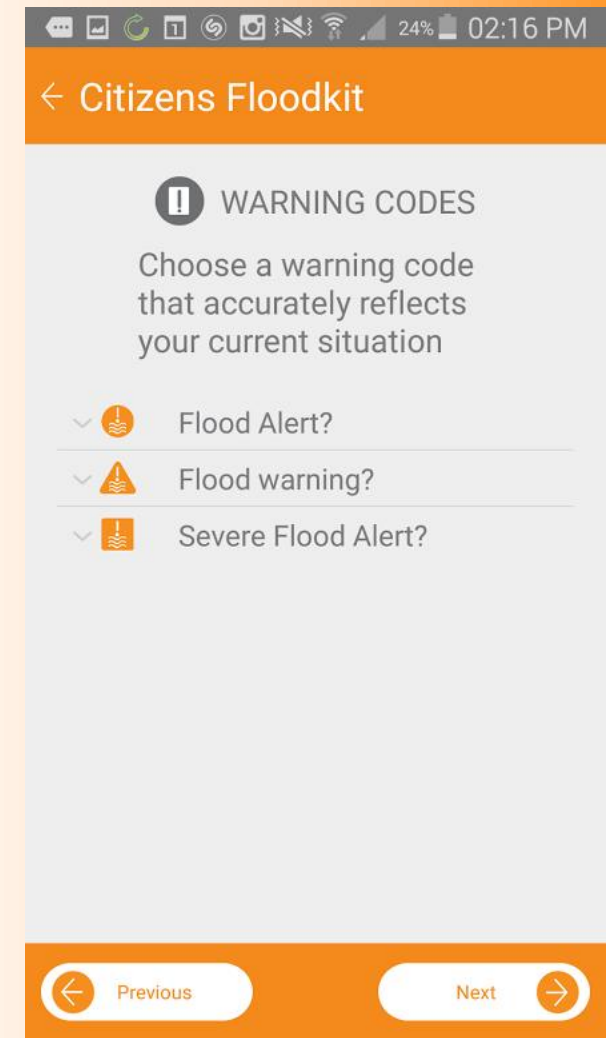


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ALERT LEVELS

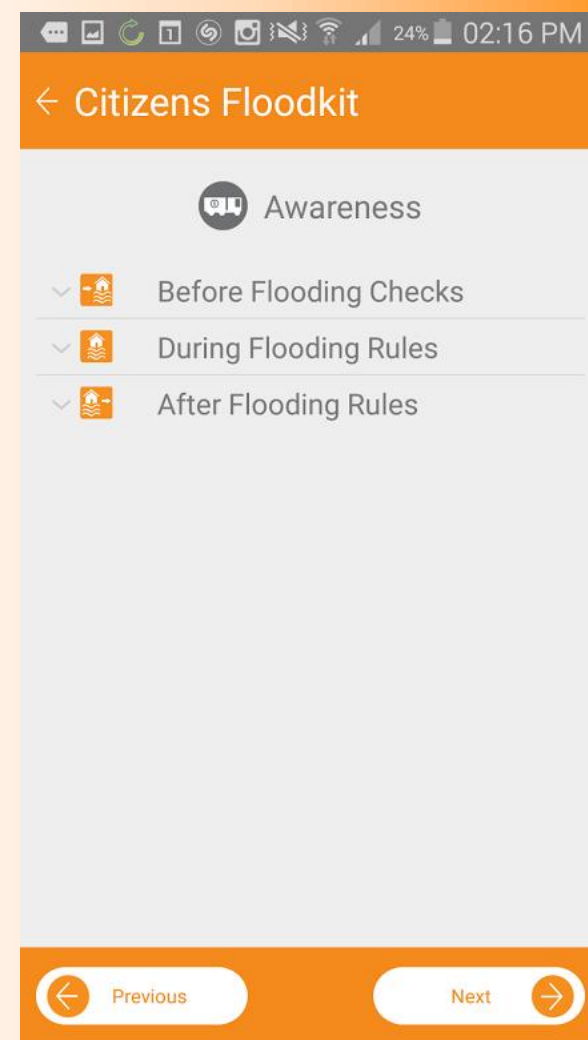
From this display users can access a check list and a set of instruction/recommendations for each alert level which may be issued by local authorities:

- Preparedness
- Early warning
- Emergency



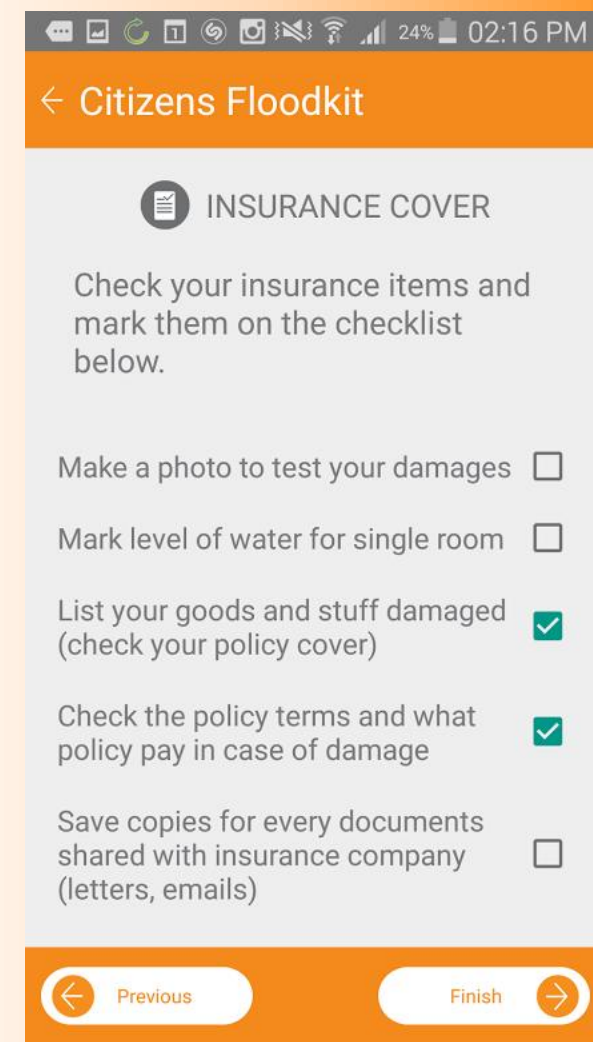
AWARENESS

From this display, users can consult a set of specific actions/recommendations to be followed before, during and after an emergency to increase the resilience of their household.




INSURANCE COVER

From this display, users can access a check-list to gather, store and eventually use efficiently several key information on their insurance schemes



The screenshot shows a mobile app interface with an orange header bar. The status bar at the top displays various icons and the time 02:16 PM. The app title 'Citizens Floodkit' is in the header. Below it, a section titled 'INSURANCE COVER' with a checklist icon contains the instruction: 'Check your insurance items and mark them on the checklist below.' The checklist items are: 'Make a photo to test your damages' (checkbox), 'Mark level of water for single room' (checkbox), 'List your goods and stuff damaged (check your policy cover)' (checked checkbox), 'Check the policy terms and what policy pay in case of damage' (checked checkbox), and 'Save copies for every documents shared with insurance company (letters, emails)' (checkbox). At the bottom, there are 'Previous' and 'Finish' buttons with arrow icons.

← Citizens Floodkit

 **INSURANCE COVER**

Check your insurance items and mark them on the checklist below.

- Make a photo to test your damages ☐
- Mark level of water for single room ☐
- List your goods and stuff damaged (check your policy cover) ☒
- Check the policy terms and what policy pay in case of damage ☒
- Save copies for every documents shared with insurance company (letters, emails) ☐

← Previous Finish →



LIFE THREAT

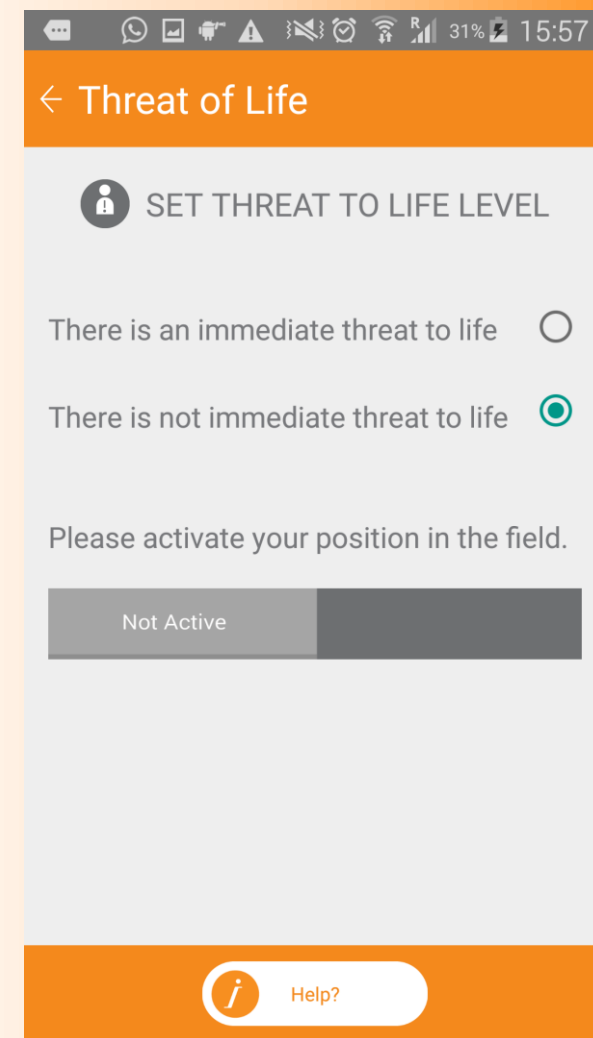
From this display, the user can access the tools and functionality available under Life Threat level, providing information on whether the life threat is:

- On-going
- Not on-going.

The user can also decide whether to:

- Allow
- Not allow

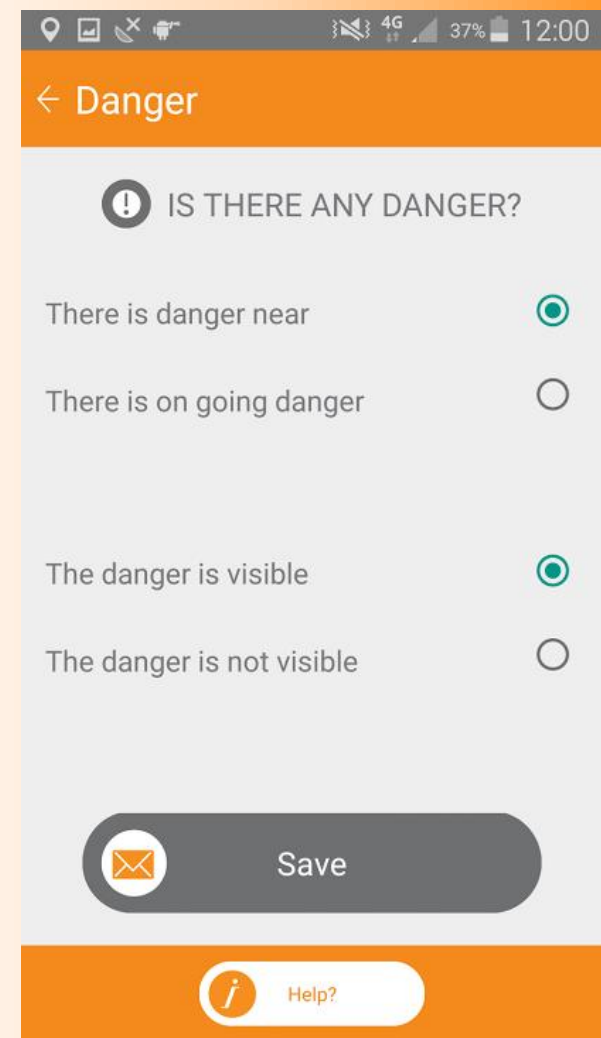
GPS recognition by the app. In order to be located by the app through GPS, the GPS function needs to be enabled on the user's device. If not yet enabled, the app will advise the users to do so.



RISK/DANGER

From this display, the user can access the tools and functionalities available to provide information on a given risk/danger, namely on whether the danger is:

- Physically near
- Temporally near
- Visible from the user's standpoint.



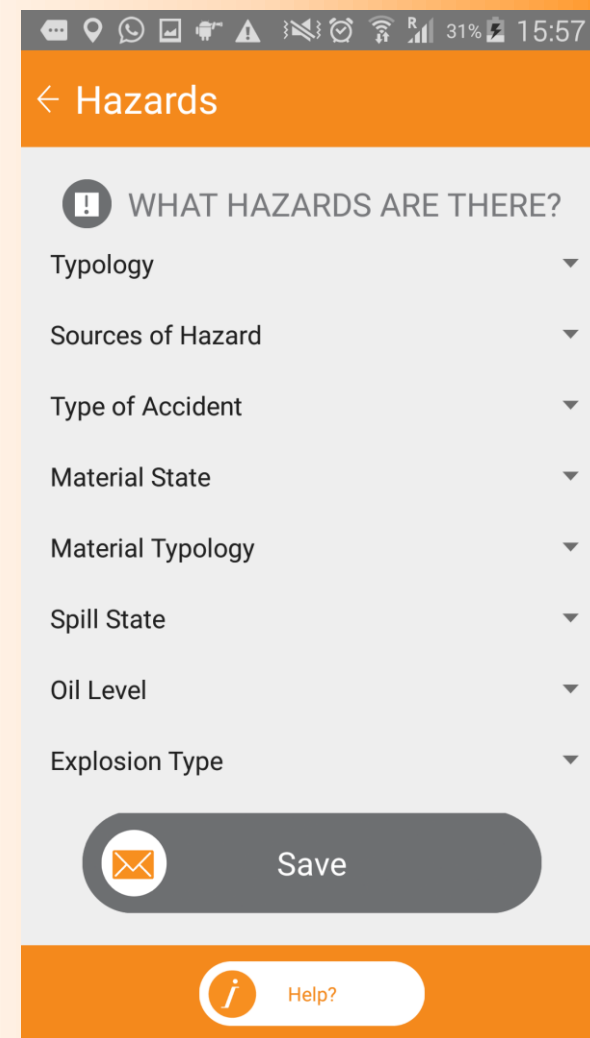
The screenshot shows a mobile application interface for reporting danger. At the top, there's a status bar with location, signal, and battery icons. Below it, an orange header bar contains a back arrow and the word 'Danger'. The main content area is light gray and contains a question 'IS THERE ANY DANGER?' with an exclamation mark icon. Below the question are four radio button options: 'There is danger near' (selected), 'There is on going danger', 'The danger is visible' (selected), and 'The danger is not visible'. At the bottom of the form is a dark gray 'Save' button with an envelope icon. Below the form is an orange bar with a 'Help?' button featuring an information icon.



EVENT

From this display, the user can access a list of drop down menus to provide structured information on the event at stake, namely on the:

- Type of event
- Hazard involved
- Type of Accident occurring
- State of Hazardous Material involved
- Potential Danger Sources
- Potential Risk of Spilling
- Oil level (if oil spilling is occurring)
- Potential Risk of Explosion



← Hazards

! WHAT HAZARDS ARE THERE?

Typology

Sources of Hazard

Type of Accident

Material State

Material Typology

Spill State

Oil Level

Explosion Type

Save

Help?



FACILITIES

From this display, the user can access a list of drop down menus to provide structured information on the facilities involved, namely on the involved:

- Facilities
- Infrastructures
- Buildings
- Surroundings
- Vehicles

Salvataggio schermata...

← Facilities

WHAT FACILITIES ARE NEAR?

Typology ▼

Number ▼

Type of Building ▼

Ground Type ▼

Vehicle Type ▼

Save

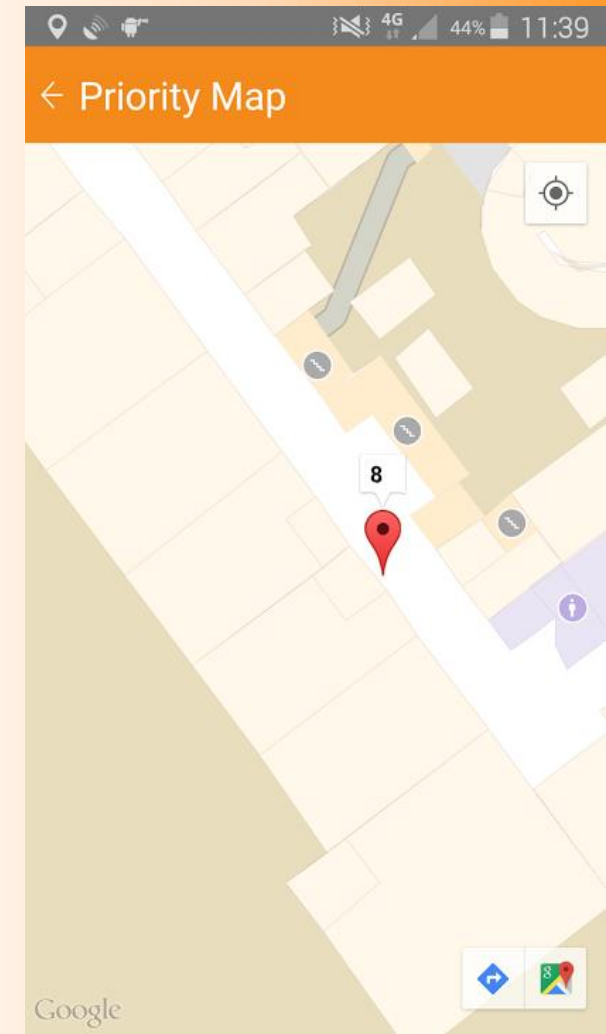
Help?



VOLUNTEERS' MAP

From this display, the user can access a shared map where the location of the registered volunteers is automatically indicated.

- Volunteers are marked in green if active
- Volunteers are marked in red if inactive
- By clicking on each symbols the volunteer ID number is displayed



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MAPPERS CONSORTIUM



National Research Council of Italy (CNR) - Research Institute for Geo-hydrological Protection of Padua (IRPI), Italy – Lead partner

The National Research Council (CNR) is a public organization; its duty is to carry out, promote, spread, transfer and improve research activities in the main sectors of knowledge growth and of its applications for the scientific, technological, economic and social development of the Country.

website: http://www.irpi.cnr.it/welcome_en.htm



Institute of International Sociology Gorizia (ISIG), Italy – Project partner

ISIG is an independent research institute recognized by the Italian Ministry of Education and Research and has a status as special adviser to the Economic and Social Council of the United Nations (ECOSOC). Today the originality of ISIG develops through its many activities of research, consulting and planning, together with the organisation of conferences and training.

website: <http://isig.it>



Frederikssund Halsnæs Fire & Rescue Service (FHFRS), Denmark – Project partner

Frederikssund Halsnæs Fire & Rescue Service provides fire and rescue services to the municipalities of Frederikssund and Halsnæs in the centre of Seeland, in Denmark. The two municipalities are home to approximately 76,000 inhabitants who live within a land area of 382 square miles.

website: <http://www.fh-brand.dk/>



Hellenberg International Oy (HELLB), Finland – Project partner

Hellenberg is an international security advocacy based in Helsinki and Hong-Kong. With a compact and flexible in-house research unit, it challenges mainstream solutions in critical infrastructure protection (CIP).

website: <http://www.hellenberg.org/>



Helsinki City Rescue Department (HCRD), Finland – Project partner

Helsinki City Rescue Department is one of Finland's 22 regional rescue department. It is responsible for carrying out tasks such as monitoring and inspections of fire prevention measures, fire and rescue operations and medical rescue operations in the Helsinki area.

website: <http://www.hel.fi/hki/pela/en/Etusivu>



Estonian Academy of Security Sciences (EASS), Estonia – Project partner

The Estonian Academy of Security Sciences is a state institution, providing professional education for civil servants belonging in the area of government under the Estonian Ministry of the Interior. The Academy was established in 1992 after Estonia regained its independence.

website: <http://www.sisekaitse.ee/eass/the-academy/>



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