



**MAPPERS**



Co-financed by the EU



# WIREFRAMES FOR MAPPERS

MAppERS frame

# WIREFRAME SCHEME

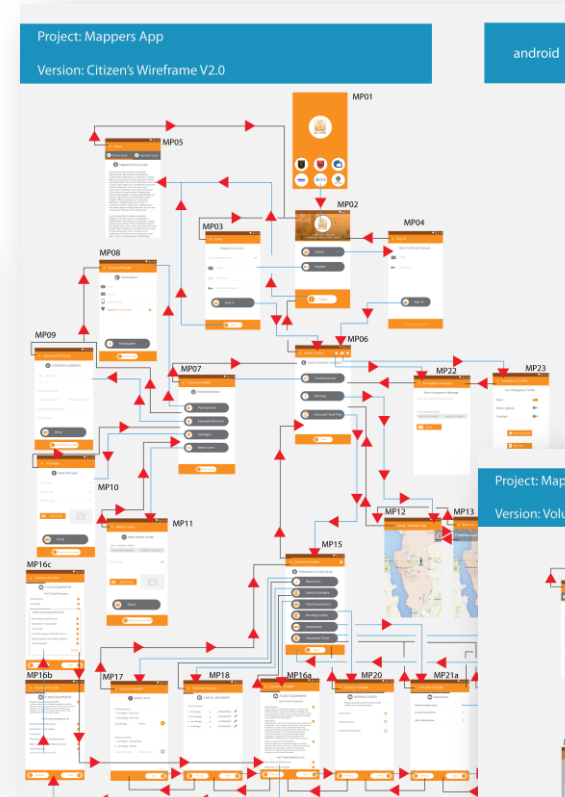
Structural architecture:

- SCREENS
- VECTORS
- INFO FLOATING
- CONTENTS
- SERVICES

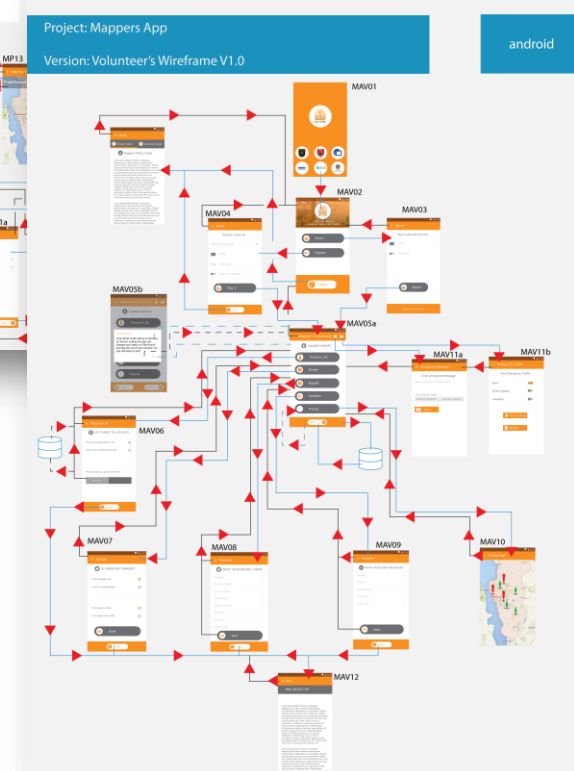


Graphical User Interface (GUI):

- SYMBOLS
- COLORS
- GRAPHIC CRITERIA

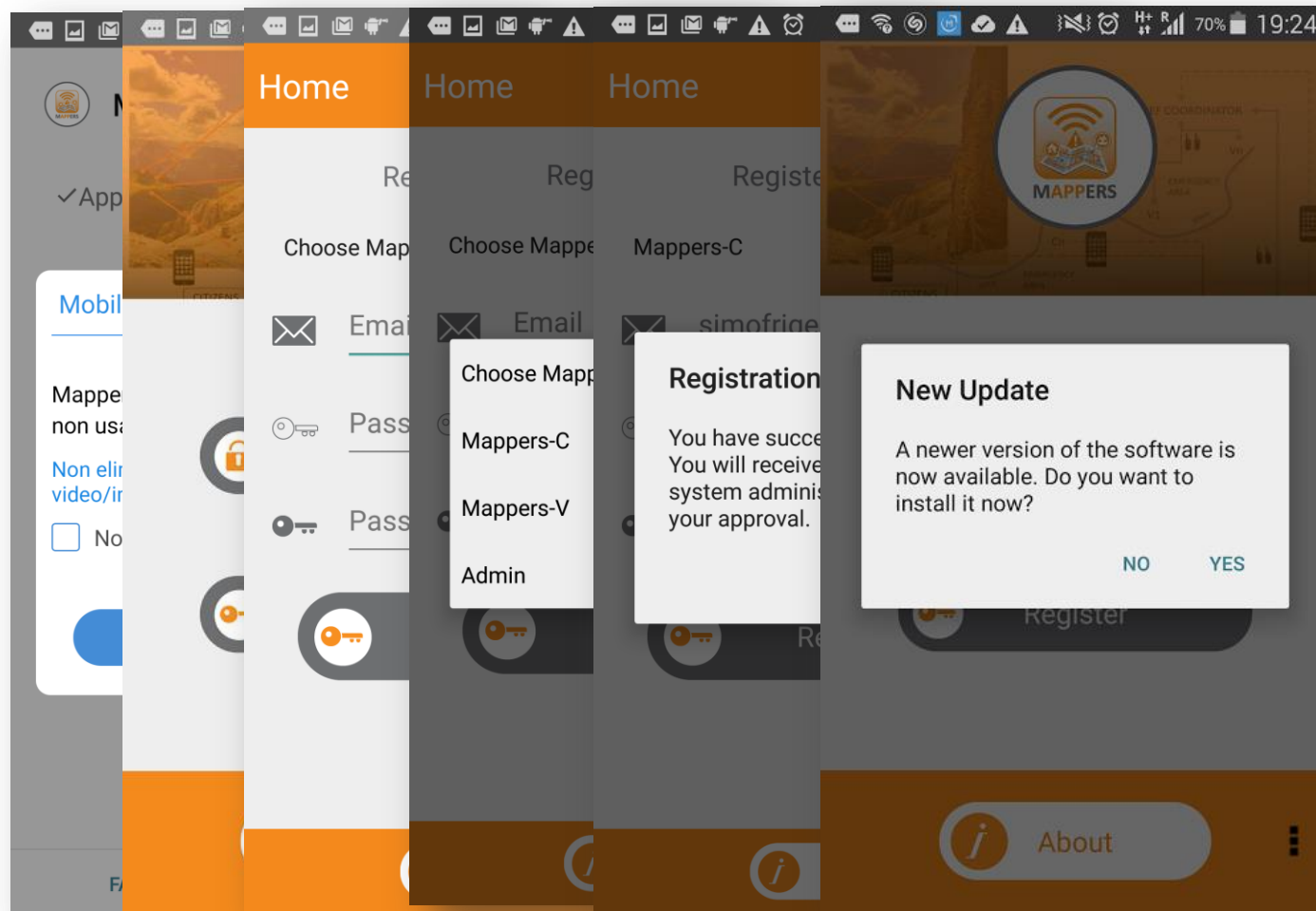


MAppERS-C

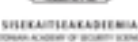


MAppERS-V

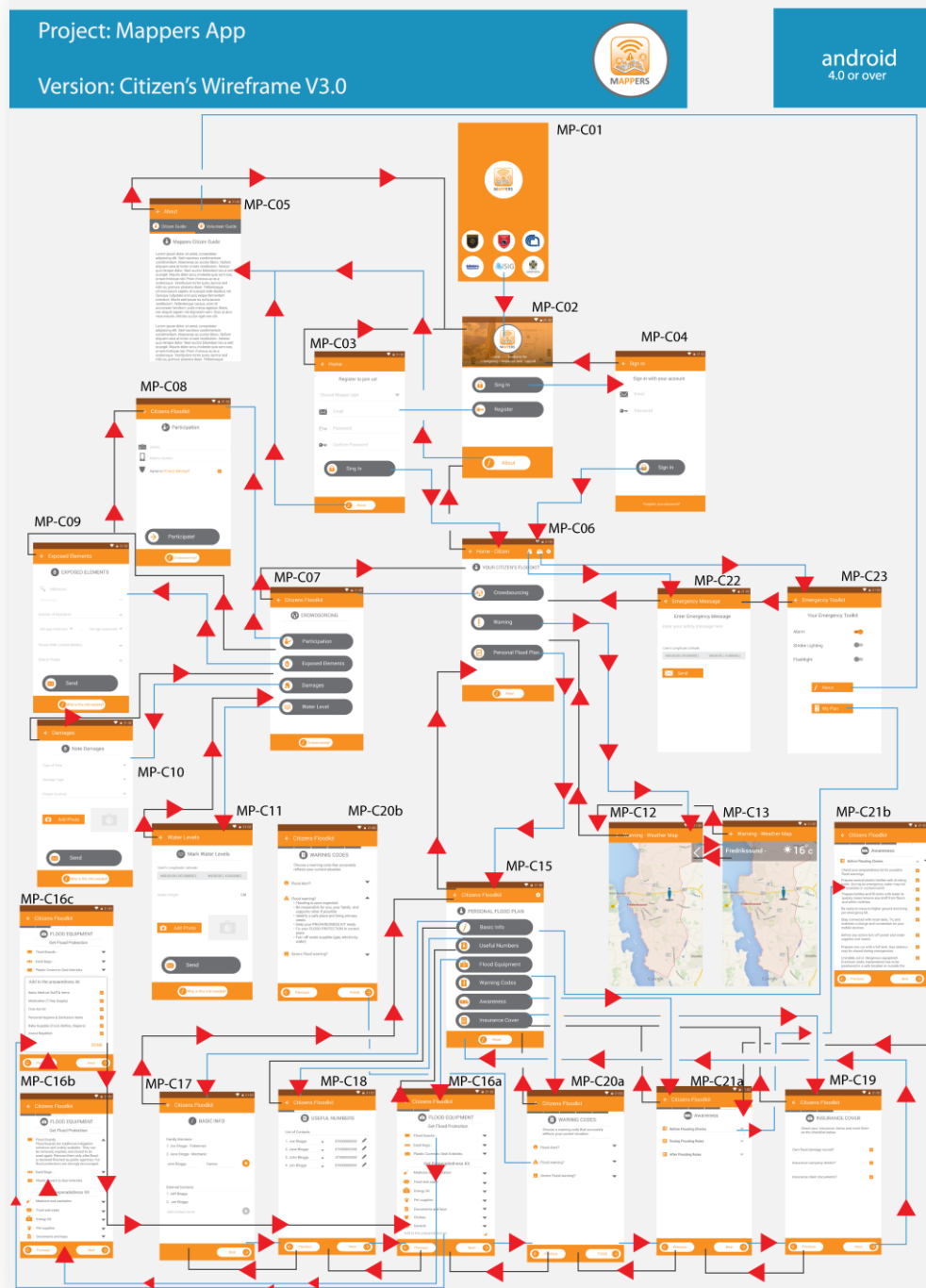
# REGISTER - SIGN IN



- 3 profiles (admin, MA-C, MA-V)
- Manage access by email (dashboard)
- Common service for both modules
- (admin role, MA-C or MA-V profiles)
- Tools for correct sign-in, recovering password
- “About” screen for guidelines
- Software update

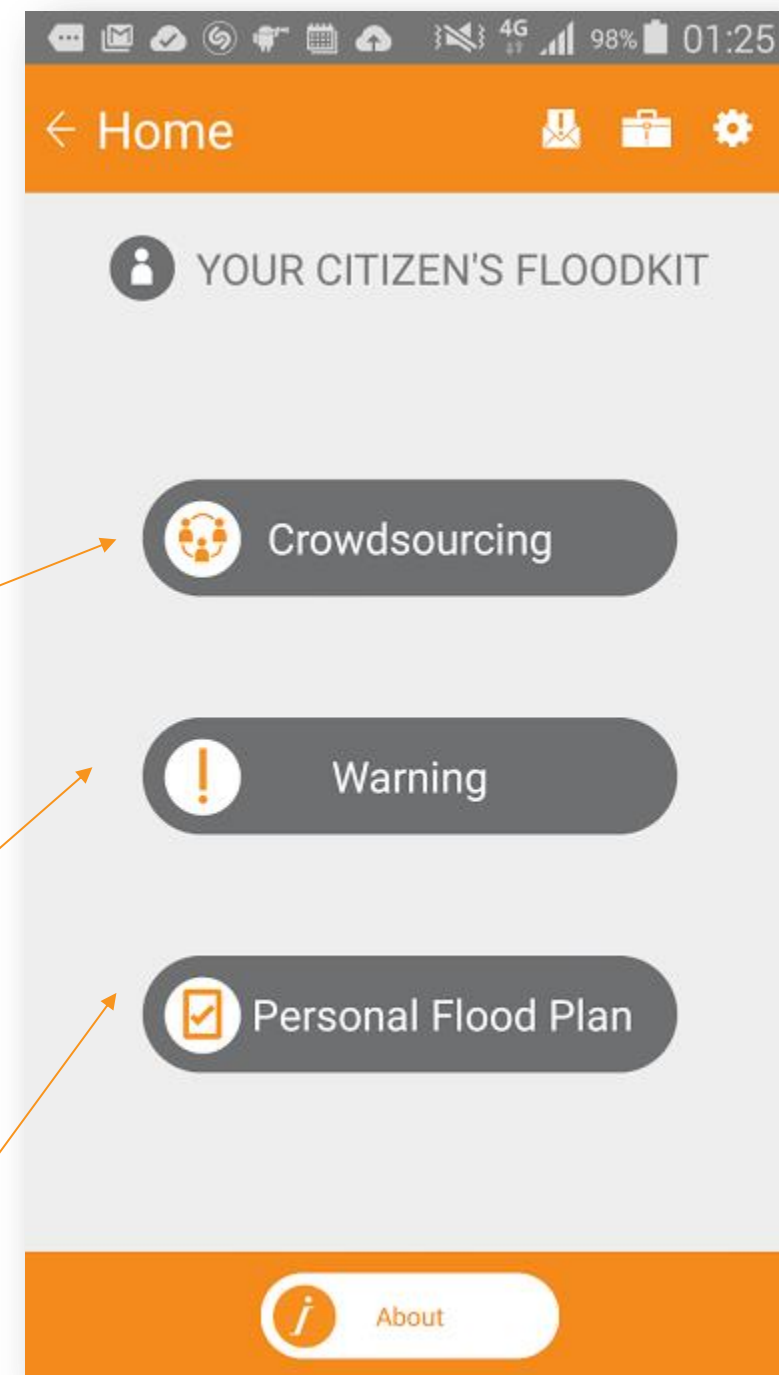


- Content/structure with FHFRS
- Crowdsourcing from local population
- Awareness with own personal flood plan
- Long term preparedness
- State-of-art data on warning
- Supporting local rescue team
- Exposed detailed elements



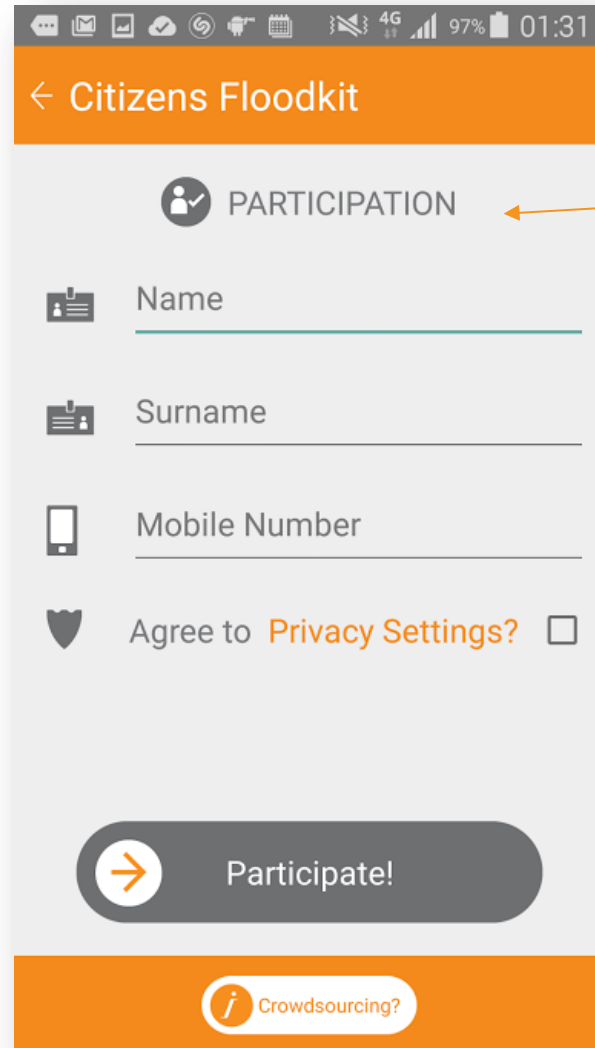
# MAPPERS-C CITIZEN'S FLOODKIT

- Low-scale and high-level volunteering participation for vulnerable citizens
- High-detailed reporting on pre-emergency level
- Warning active geo-located map for single user
- Volunteering participation for own preparedness on flooding management





# MAPPERS-C / CROWDSOURCING


- Personal contacts
- Privacy agree
- Not full-field compulsory
- Saving dataset
- Compulsory for cascade actions





← Citizens Floodkit


 PARTICIPATION


 Name

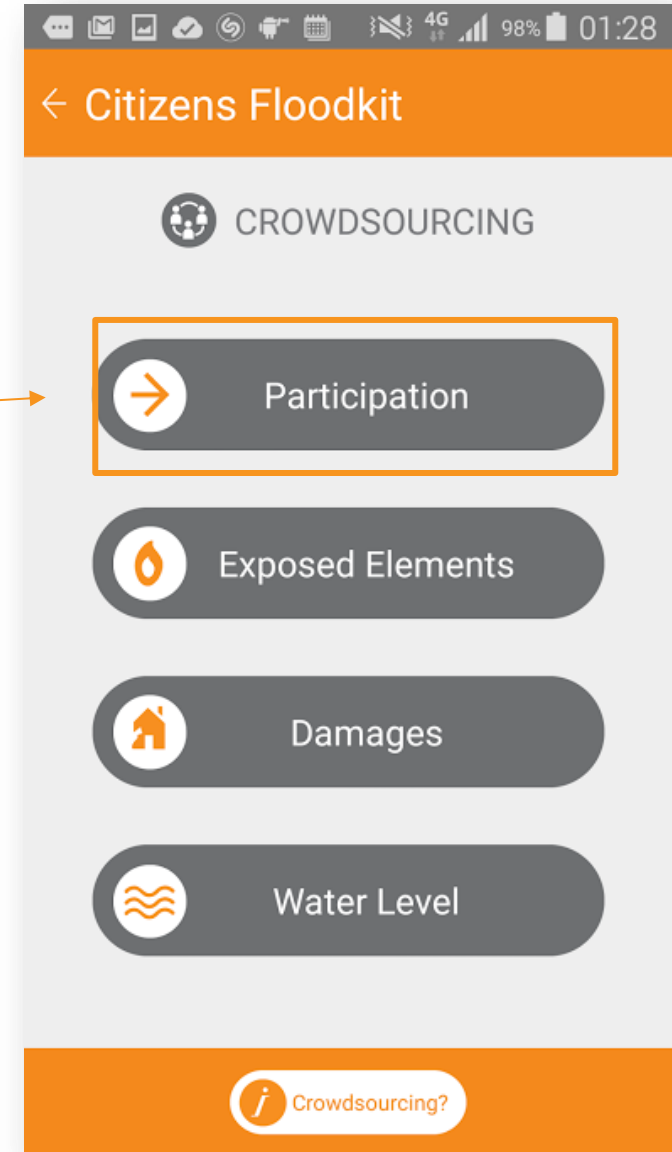
 Surname

 Mobile Number


 Agree to [Privacy Settings?](#) ☐

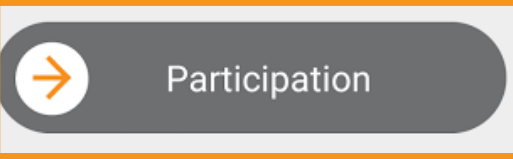
 Participate!


 Crowdsourcing?

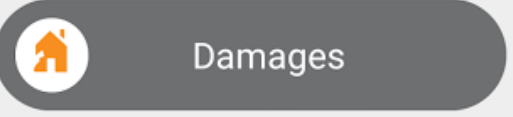


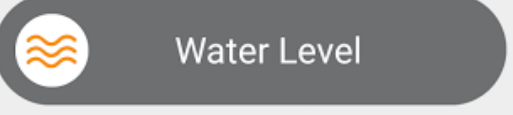
← Citizens Floodkit


 CROWDSOURCING

 Participation

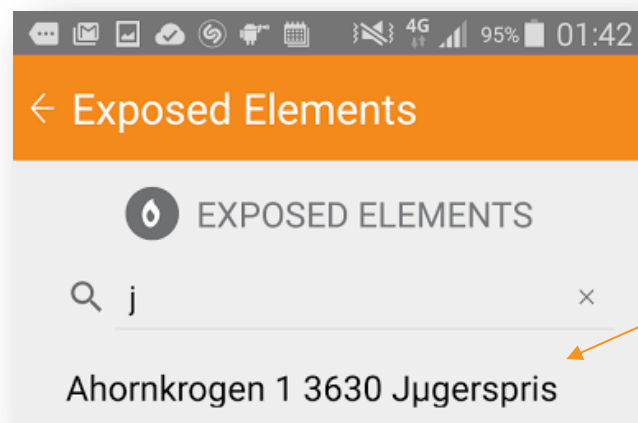
 Exposed Elements

 Damages

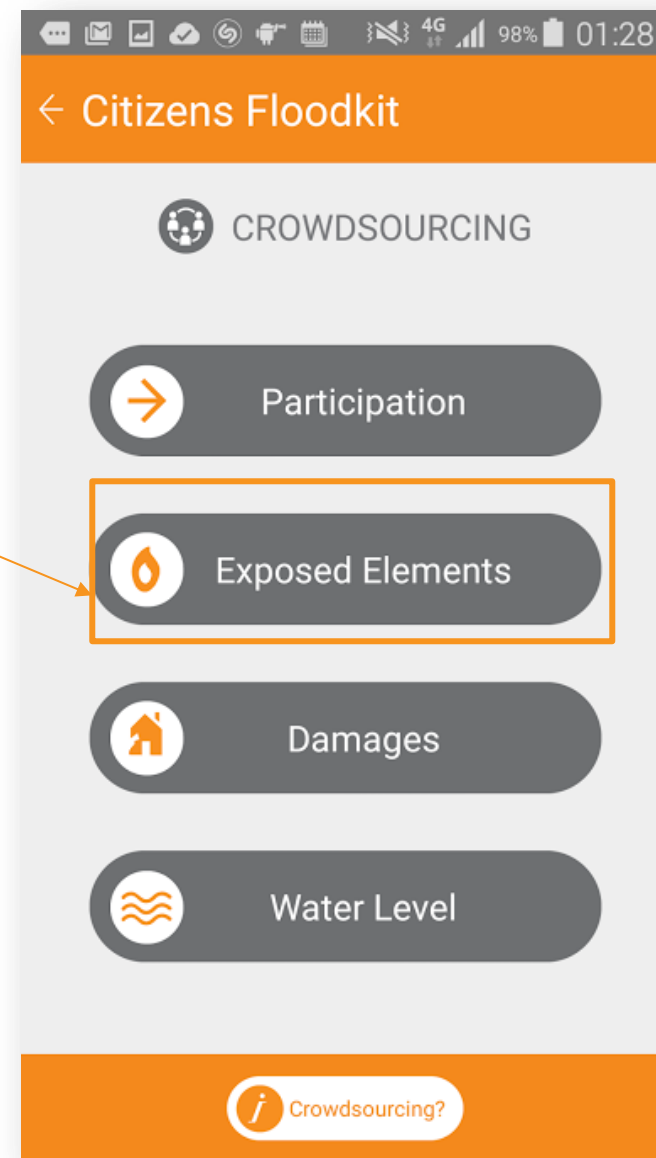
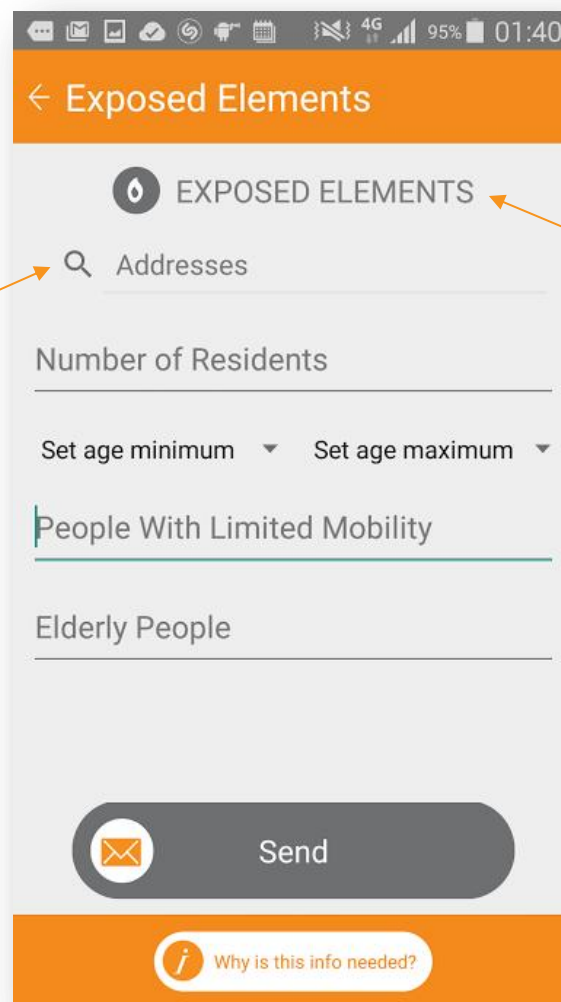
 Water Level

 Crowdsourcing?

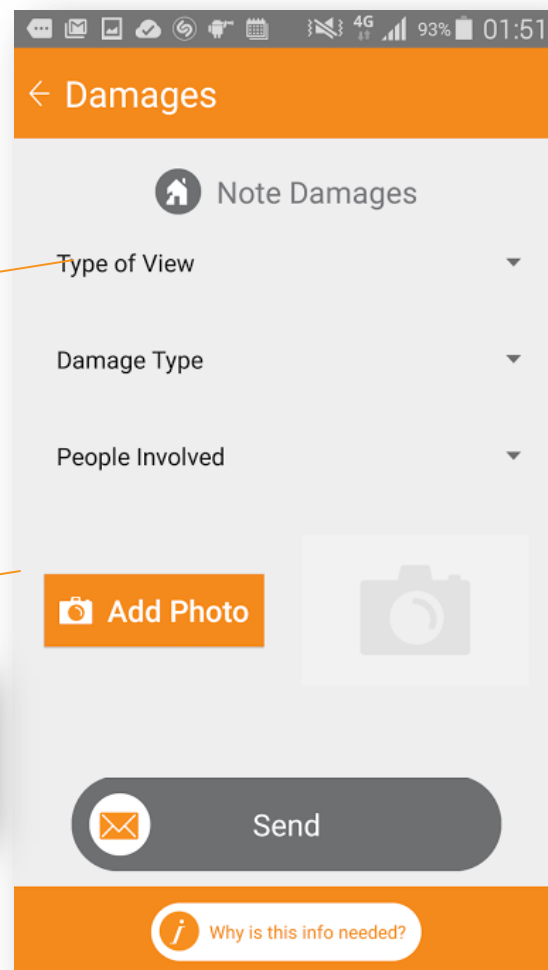
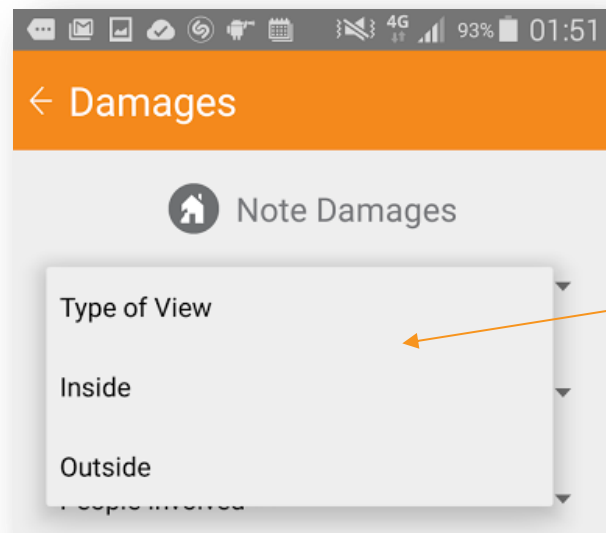
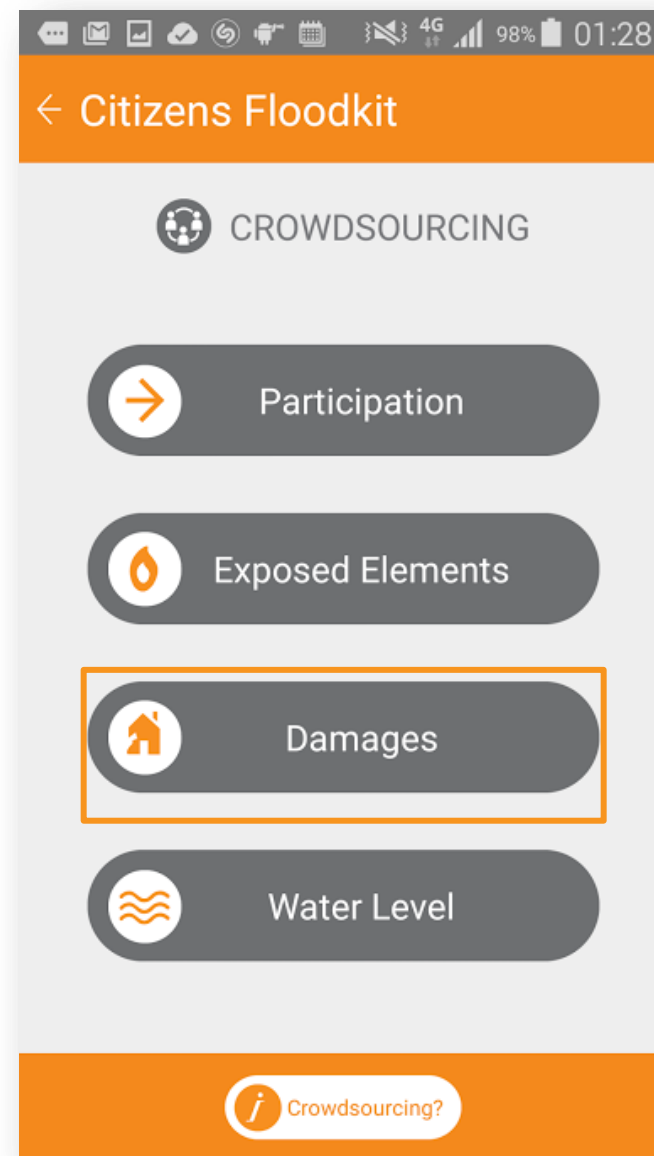
# MAPPERS-C / CROWDSOURCING



- Dynamic address fill
- Dropdown limits
- Free field for numbers



# MAPPERS-C / CROWDSOURCING



## Upload Pictures

Select an option to take a photo?

CAMERA GALLERY

## Damage Upload Successful

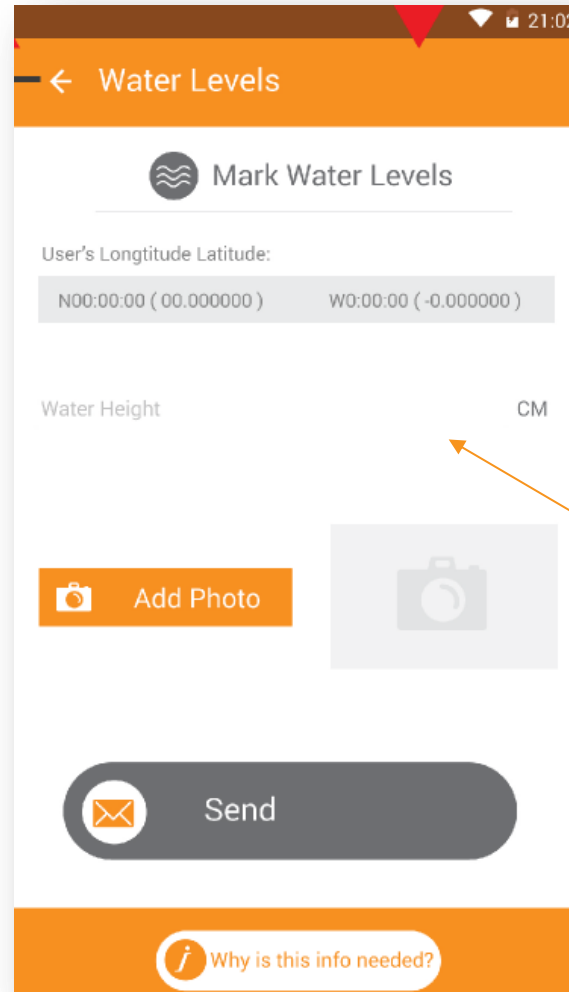
You have successfully uploaded  
damage data.

OK

- Dropdown parameters
- Note damage (adding photo)

# MAPPERS-C / CROWDSOURCING

- Geo-located water level info
- Note damage (adding photo)



Water Levels

Mark Water Levels

User's Longitude Latitude:

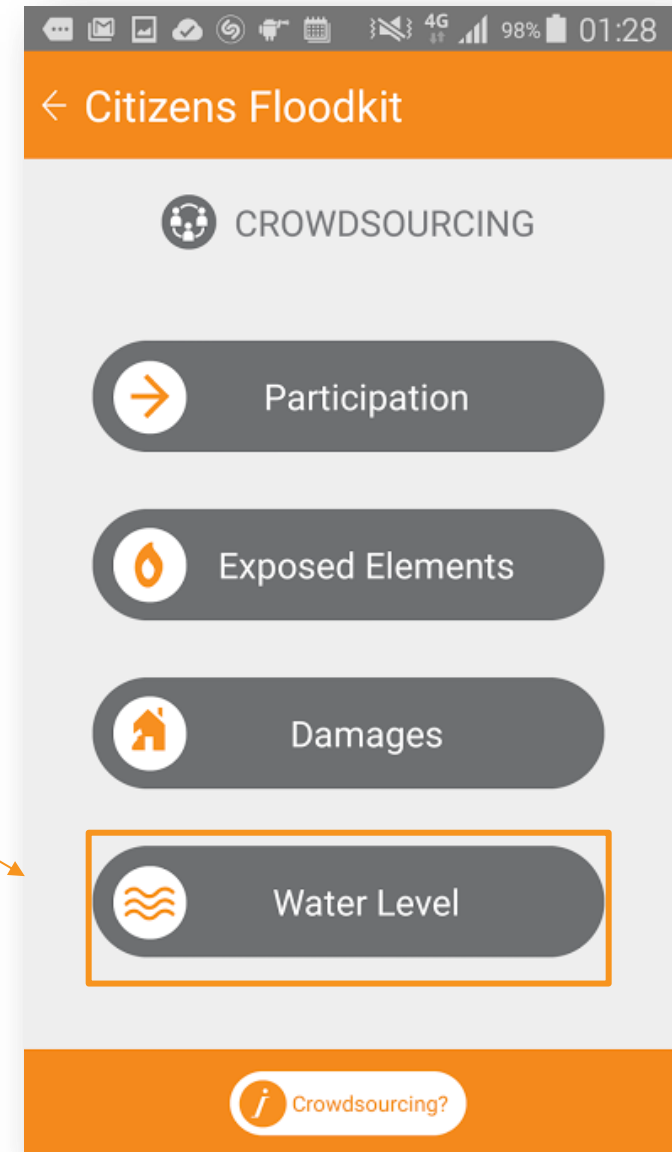
N00:00:00 (00.000000) W0:00:00 (-0.000000)

Water Height CM

Add Photo

Send

Why is this info needed?



Citizens Floodkit

CROWDSOURCING

Participation

Exposed Elements

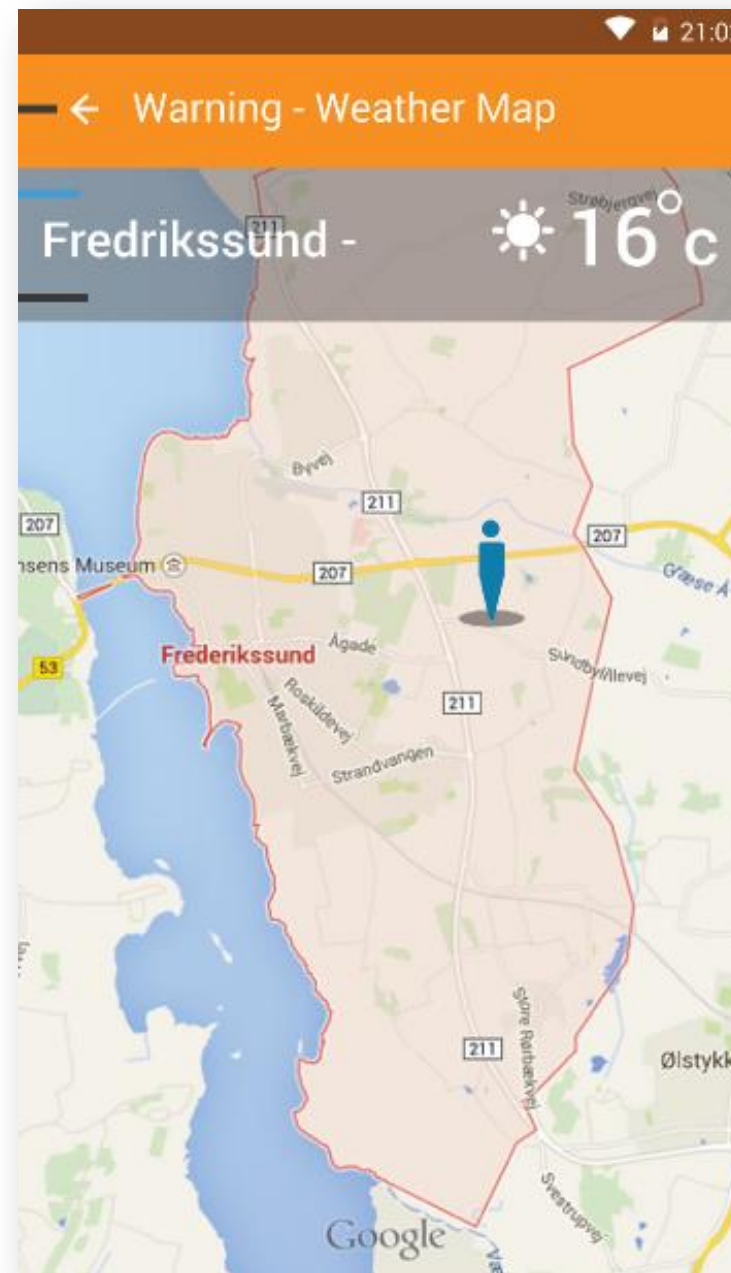
Damages

Water Level

Crowdsourcing?

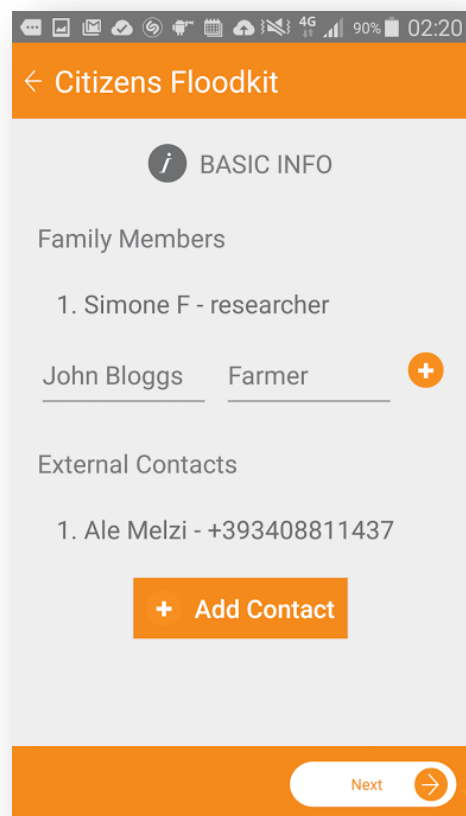
# MAPPERS-C / WARNING

- Geo-located user above specific map
- Depending by needs and API solutions
- Temperature, humidity, rain,...
- Service on working



# MAPPERS-C / PERSONAL FLOOD PLAN

- Predefined list of agencies and public services to fill
- Service on working



← Citizens Floodkit

**BASIC INFO**

Family Members

1. Simone F - researcher

John Bloggs Farmer

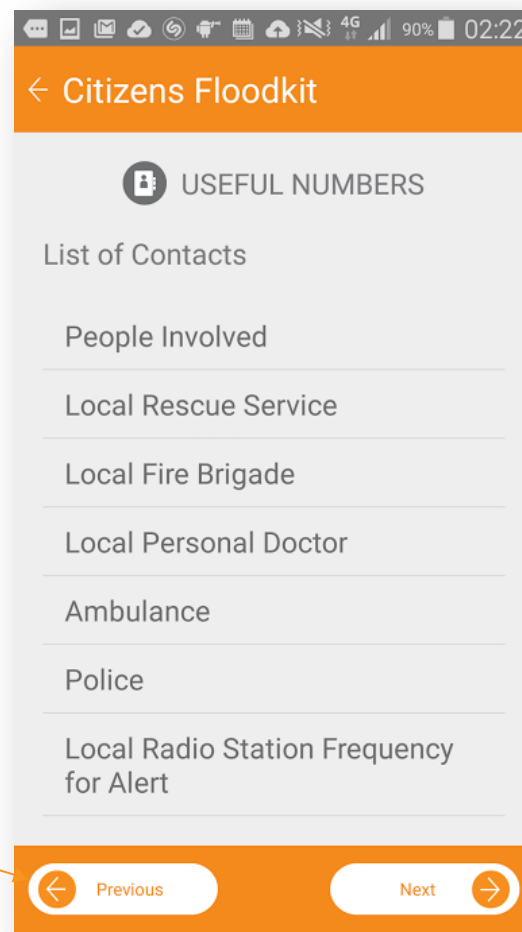
External Contacts

1. Ale Melzi - +393408811437

+ Add Contact

Next

- Family members and external contacts



← Citizens Floodkit

**USEFUL NUMBERS**

List of Contacts

People Involved

Local Rescue Service

Local Fire Brigade

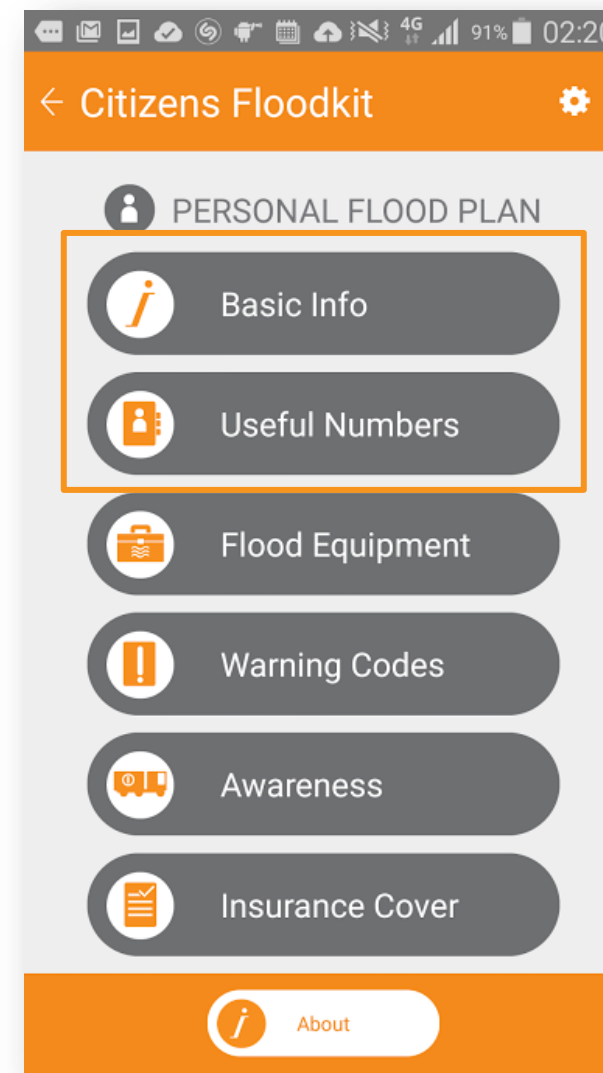
Local Personal Doctor

Ambulance

Police

Local Radio Station Frequency for Alert

Previous Next



← Citizens Floodkit

**PERSONAL FLOOD PLAN**

Basic Info

Useful Numbers

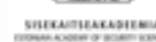
Flood Equipment

Warning Codes

Awareness

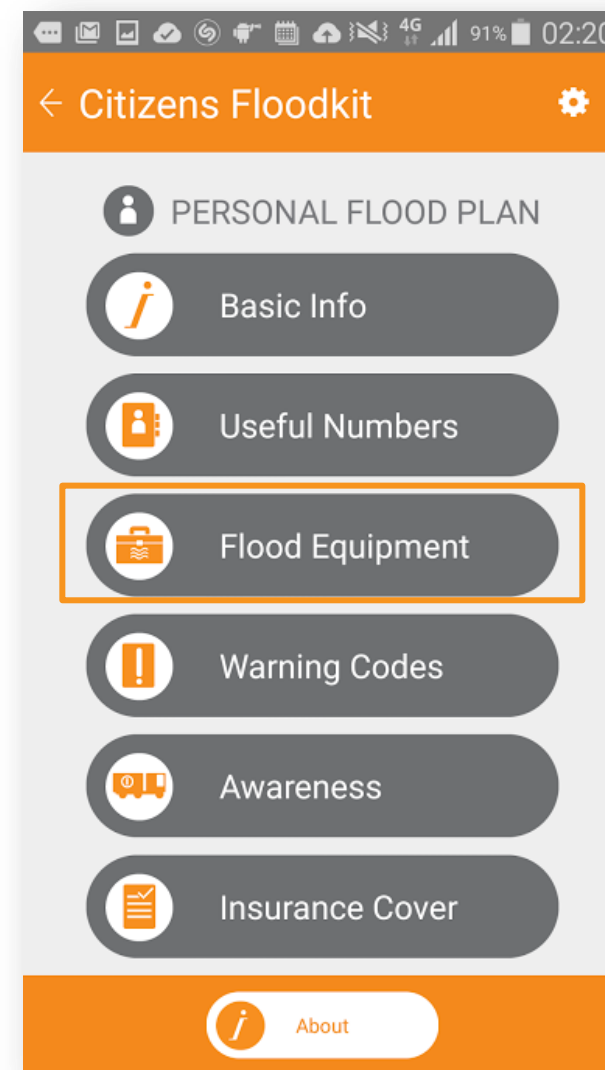
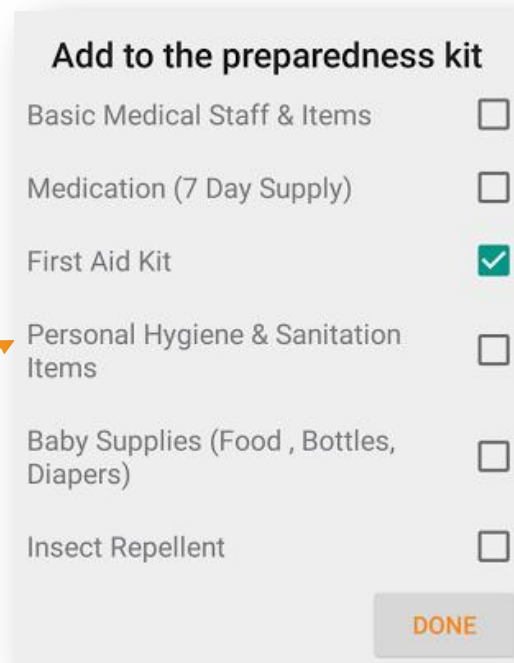
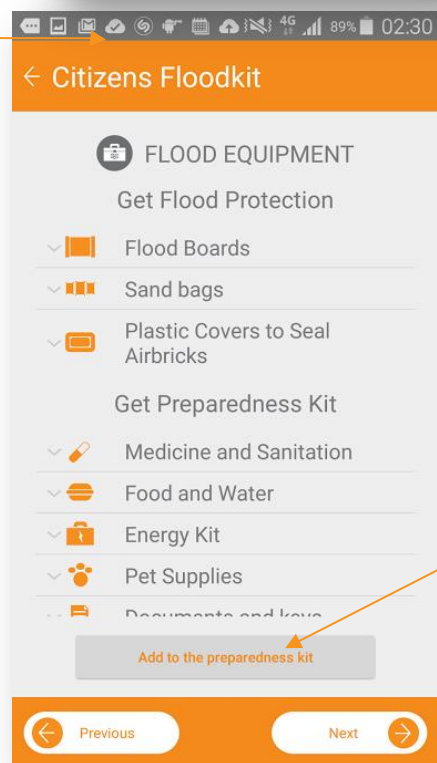
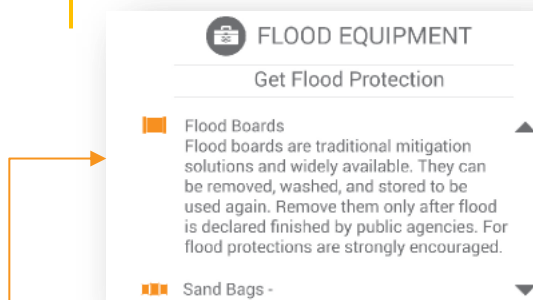
Insurance Cover

About



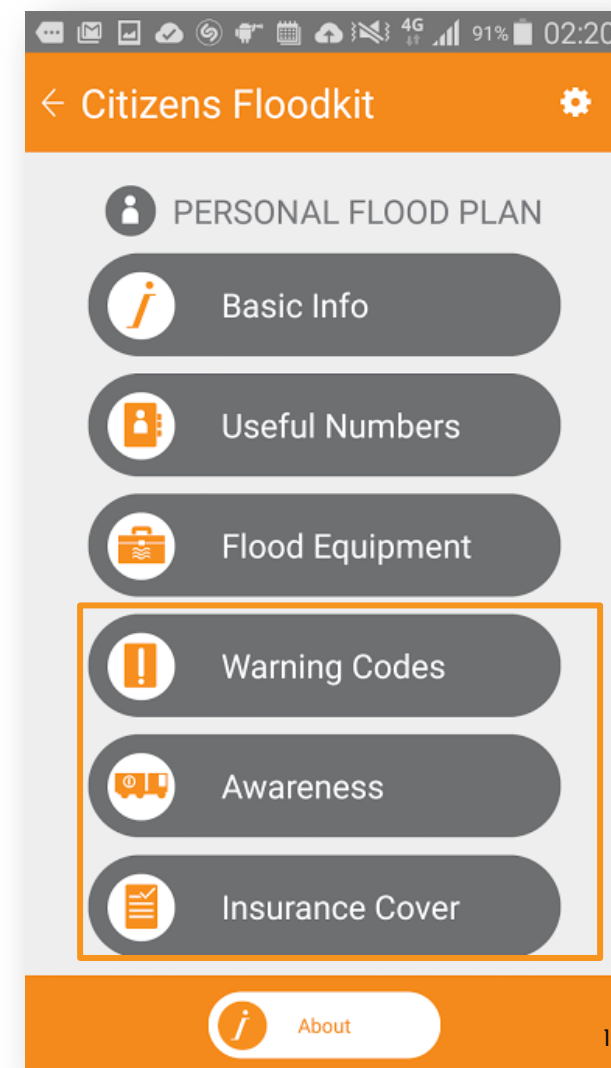
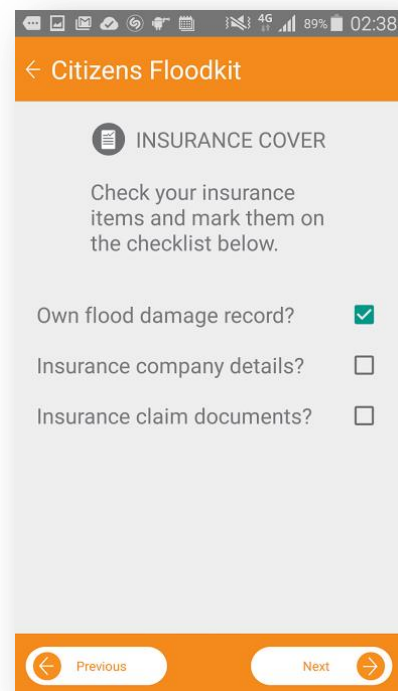
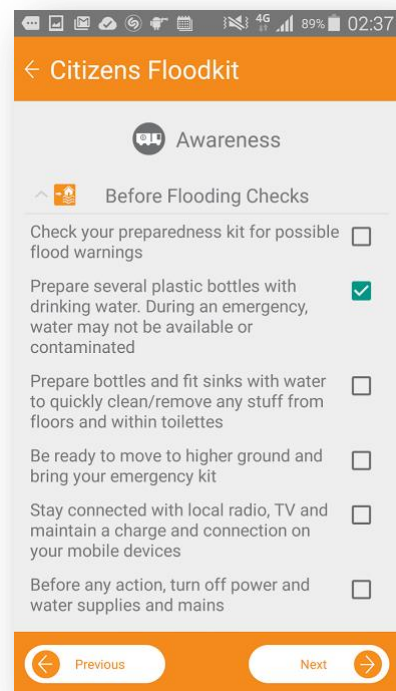
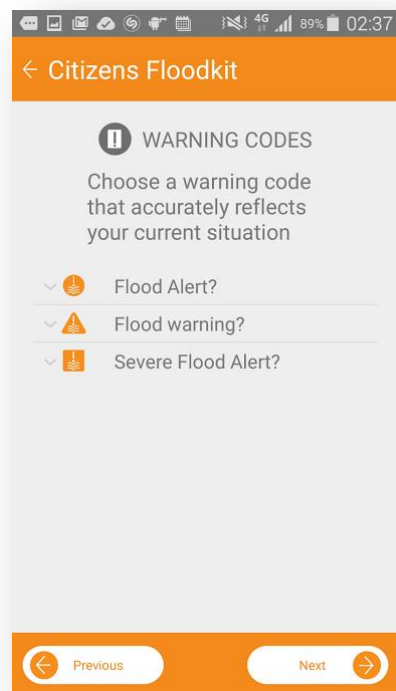
# MAPPERS-C / PERSONAL FLOOD PLAN

- Get Flood Protection (training)
- Get Preparedness Kit (adding text)
- User checks or adds own stuff
- User improves knowledge



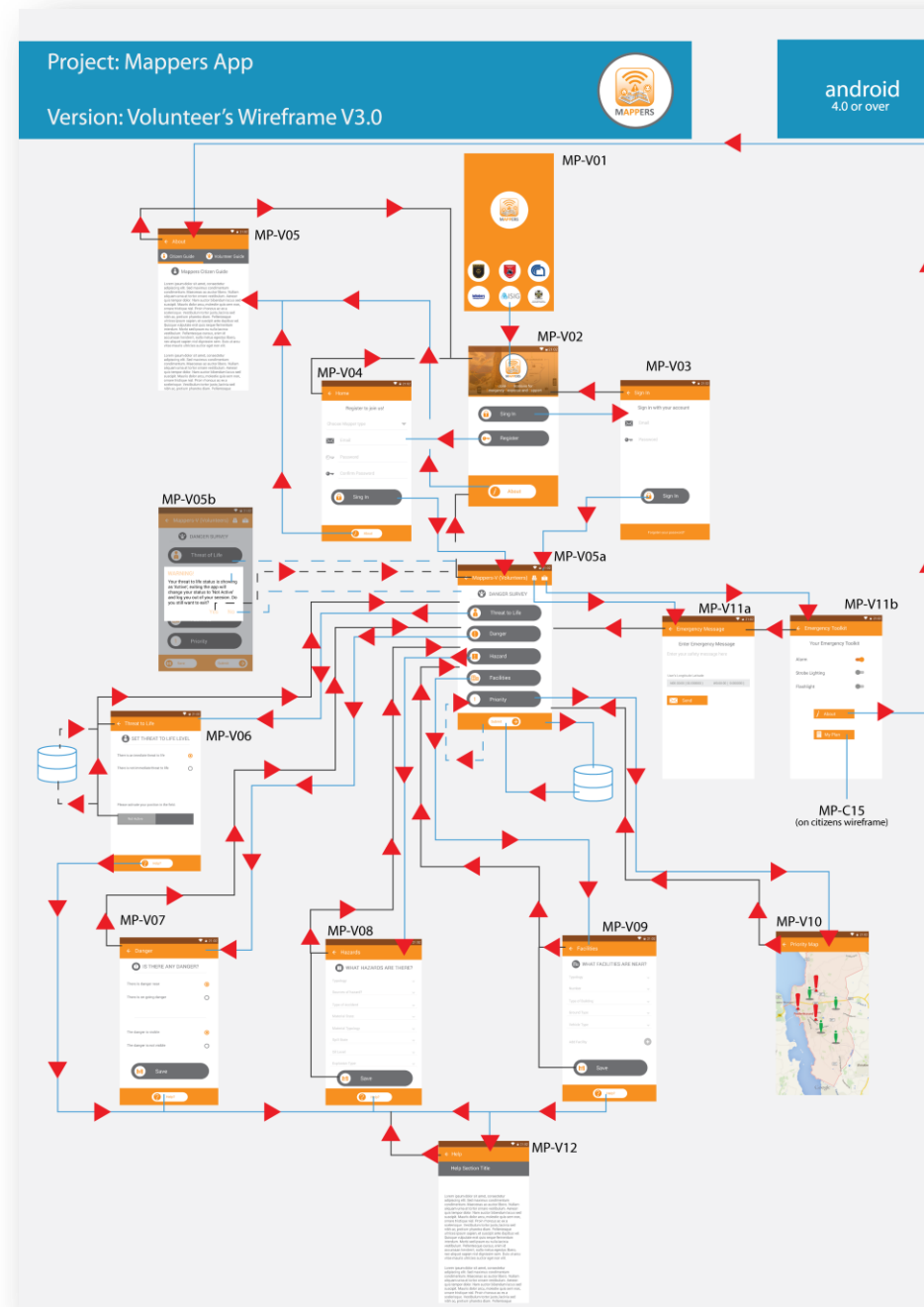
# MAPPERS-C / PERSONAL FLOOD PLAN

- Preparedness on warning codes for current situation
- Awareness on flooding behaviour (training and checkboxes)
- Insurance cover (rules value and terms)



# MAPPERS-V DANGER SURVEY

- Content/structure with HCRD
- Supporting pre-emergency actions on field by rescue team
- Collecting state-of-art data
- Condition of hazards
- Exposed elements
- Priorities and potential scenario



# DANGER SURVEY

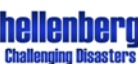
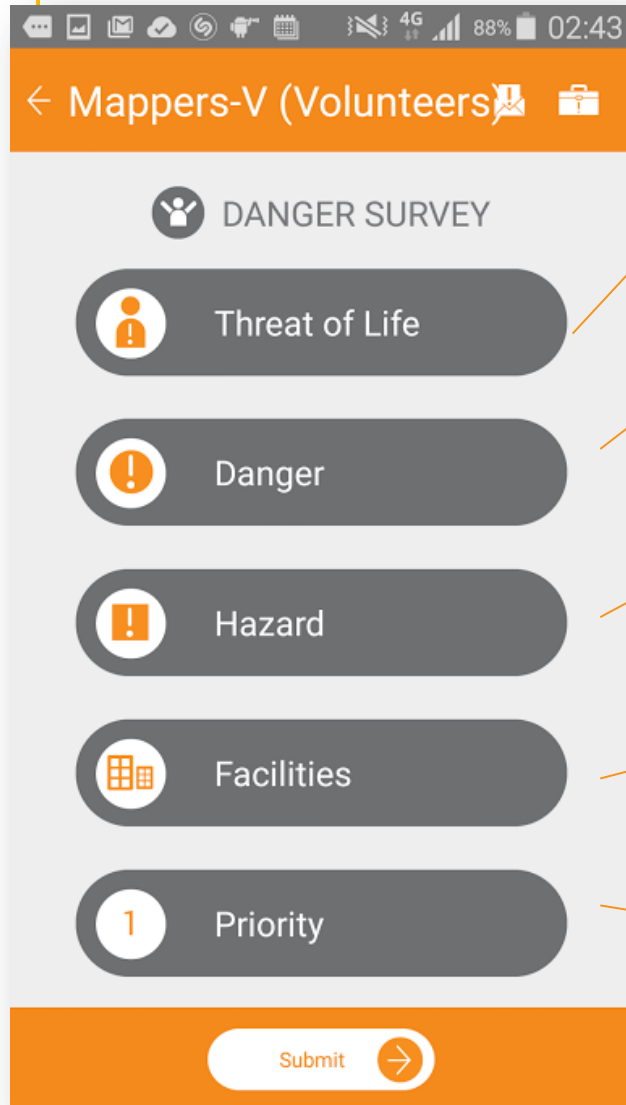
- Life threatening status

- Report danger situation

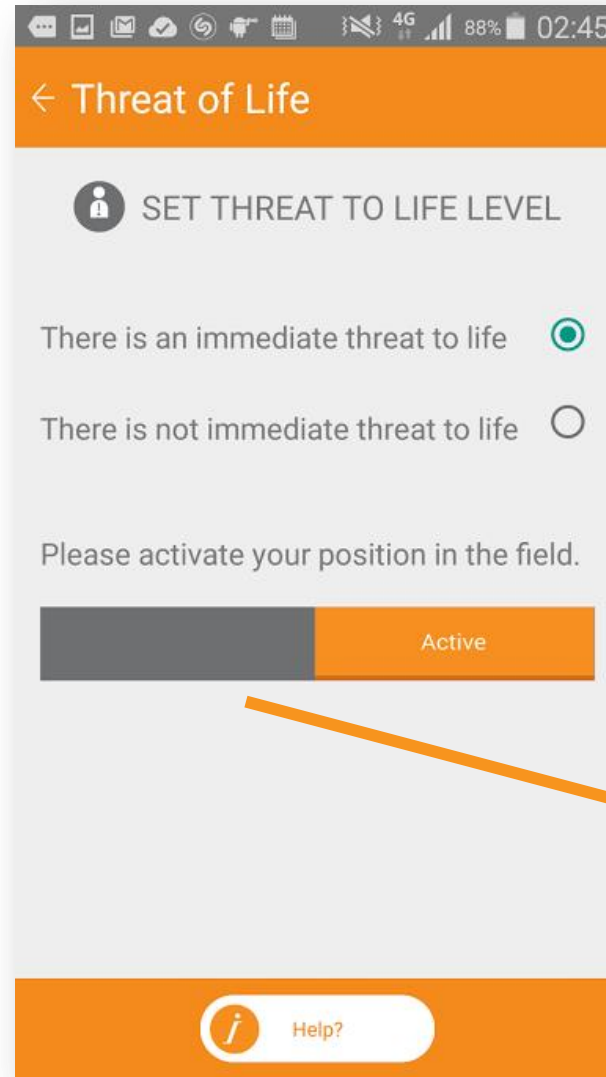
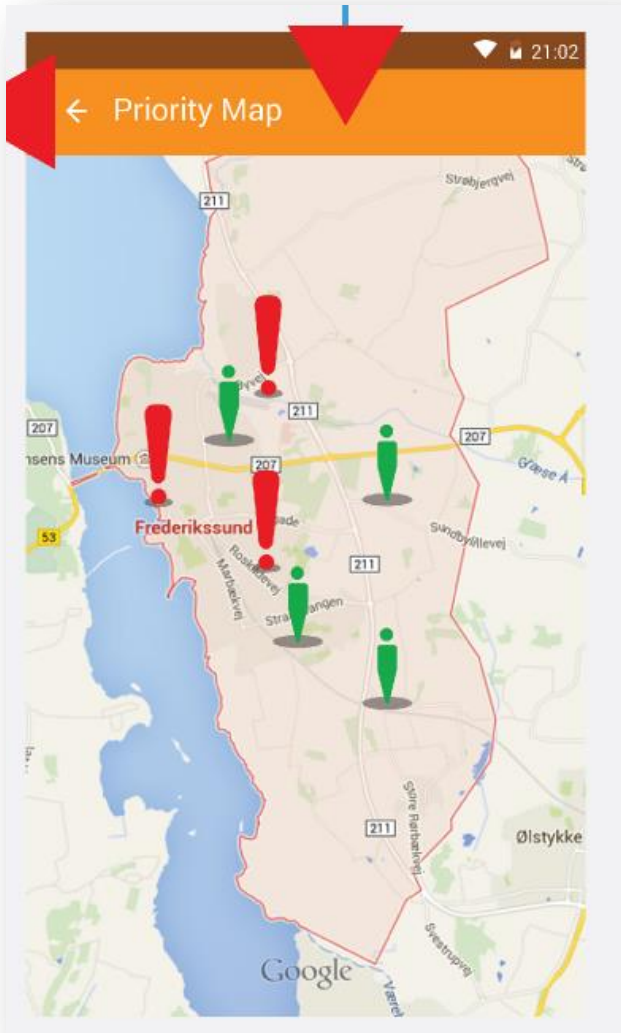
- Report hazard condition

- Report exposed facilities

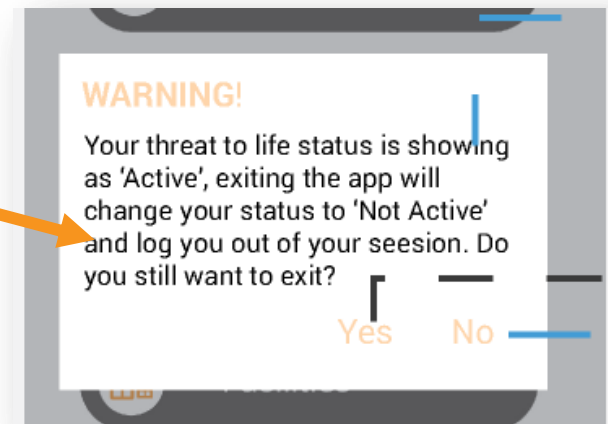
- Automatic mapping based on life threatening (draft: one criteria)



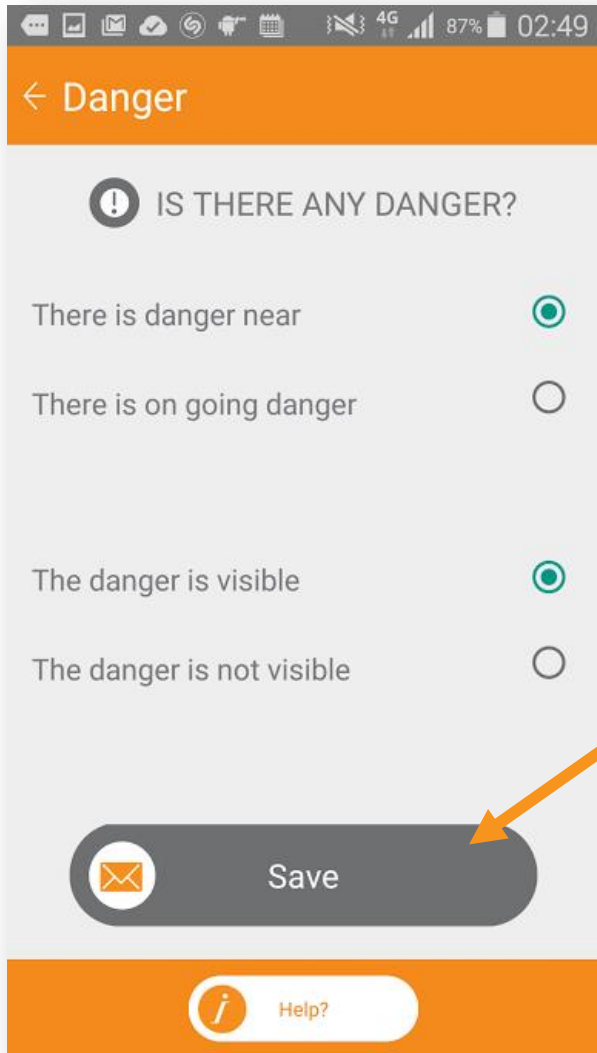
# DANGER SURVEY / THREAT OF LIFE & PRIORITY



- Automatic real time mapping
- One criteria adopted
- Multi-criteria algorithm possible
- Service for location sharing
- Partially active



# DANGER SURVEY / DANGER



The screenshot shows a mobile app interface for reporting danger. At the top, there's a status bar with icons for messages, camera, mail, cloud, location, calendar, 4G signal, 87% battery, and time 02:49. Below the status bar is an orange header with a back arrow and the text "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 options, each with a radio button: "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 "Save" button is an orange bar with a white "i" icon and the text "Help?". An orange arrow points from the "Saving tool" bullet point to the "Save" button.

- Danger visibility status
- Condition and state of danger
- Saving tool

# DANGER SURVEY / HAZARDS

- Detailed hazard reporting
- Condition and state of hazard
- Content based on rescue service experiences
- Dropdown menu + adding box
- Saving tool

Material Typology

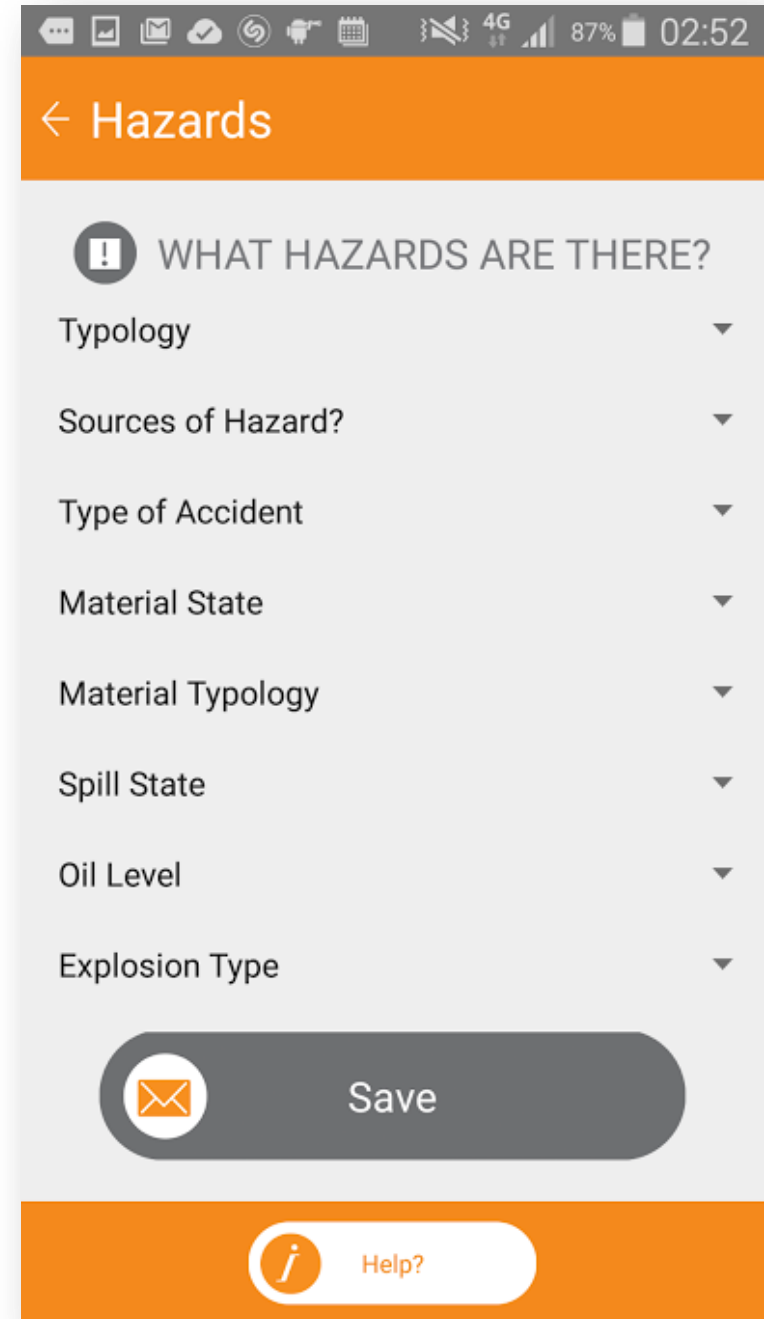
Explosives

Flammable gases

Non-toxic and non-flammable gases

Poison gases

Flammable liquids



← Hazards

! WHAT HAZARDS ARE THERE?

Typology

Sources of Hazard?

Type of Accident

Material State

Material Typology

Spill State

Oil Level

Explosion Type

Save

Help?

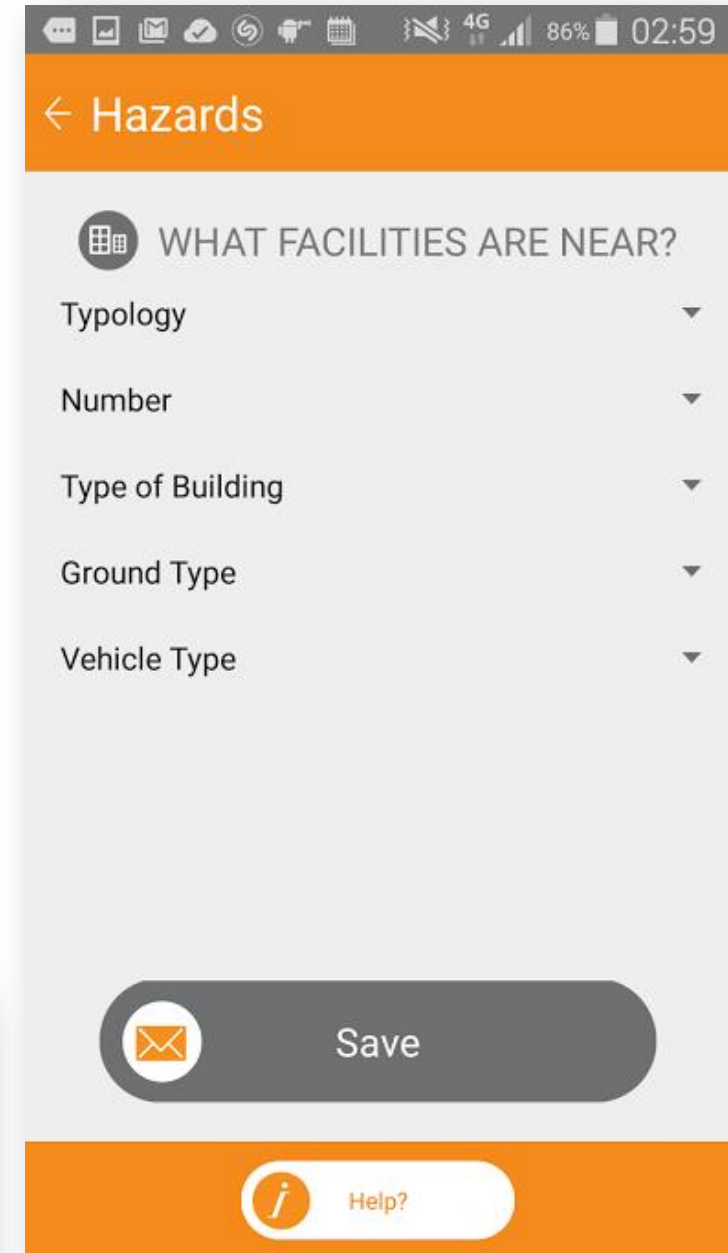
# DANGER SURVEY / FACILITIES

- Detailed exposed facilities
- Content based on rescue service experiences
- Dropdown menu + adding box
- Content on:  
typology/number/building/vehicle/ground
- Saving tool
- Partially complete (menu content)

Typology Missing

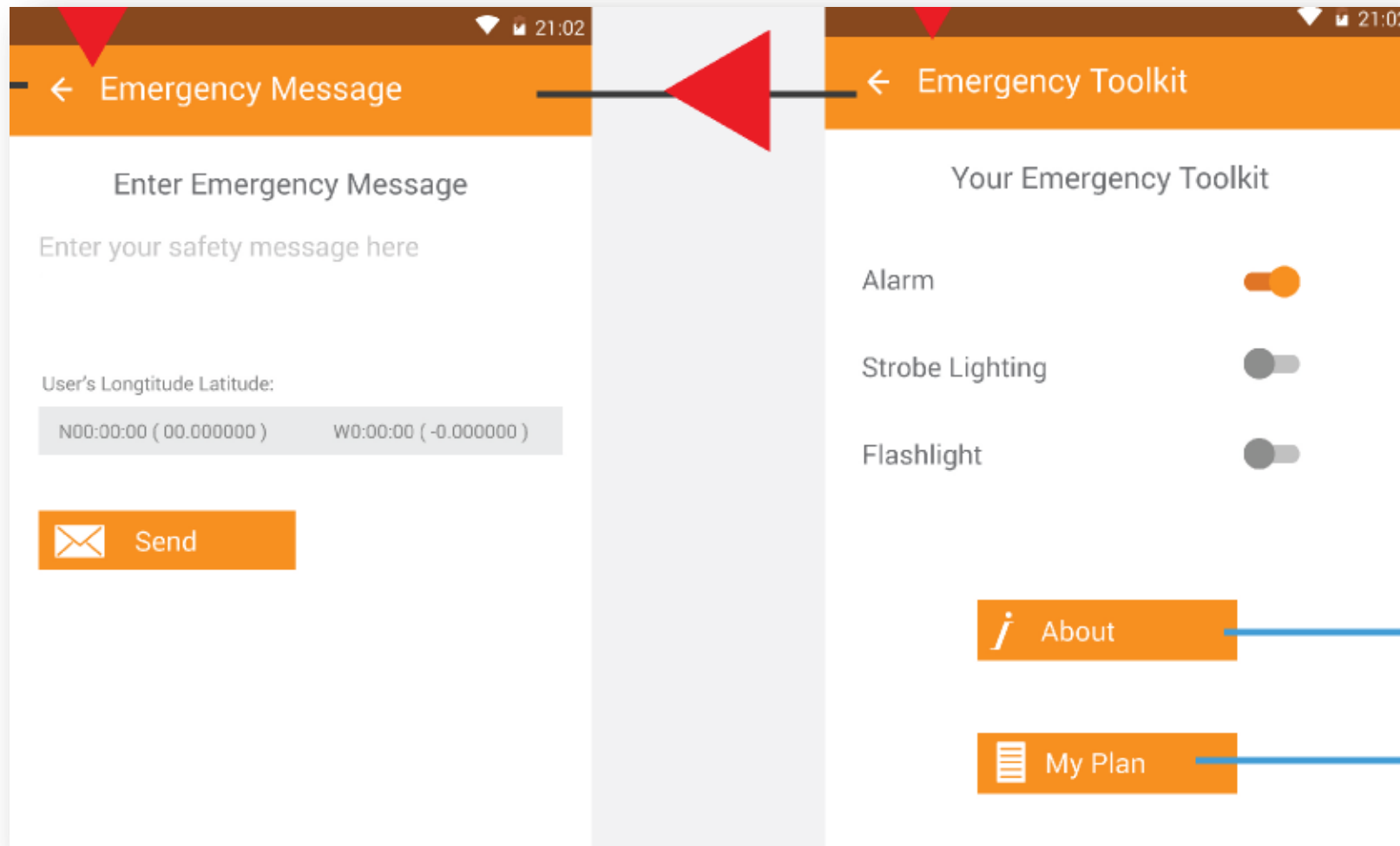
Please select a typology.

OK



The screenshot shows the 'Hazards' screen of the MAPPERS app. At the top, there's a back arrow and the title 'Hazards'. Below it, a section titled 'WHAT FACILITIES ARE NEAR?' contains a list of dropdown menus: 'Typology', 'Number', 'Type of Building', 'Ground Type', and 'Vehicle Type'. At the bottom of the form is a large grey button with an envelope icon and the text 'Save'. Below the 'Save' button is an orange bar containing a 'Help?' button with an information icon. The status bar at the very top shows various icons, 4G signal, 86% battery, and the time 02:59.

# MAPPERS-C / MAPPERS-V

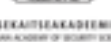


- Coordinates and prepared messages
- Toolkit based on mobile functionalities
- Partially complete (menu content)



# MAPPERS PILOTING

- Would you offer new tools or services? Please tell us!
- Adding box for single dropdown menu?
- Perception on usability for single screen?
- Direct personal feedback by dashboard (in which way?)
- Interest and continuous feedback by users?
- Redundancy of tools offered?
- Services or data collection missing?
- Guidelines “about” by users?




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MOBILE APPLICATIONS  
FOR EMERGENCY RESPONSE  
AND SUPPORT



MAPPERS

f
in
t


The project
Pilot areas
Events
Media
Partners
EAB
Contact us
Partner area




MAppERS will develop a smartphone application for the creation of a continuous flow of bottom-up information on local conditions and crisis management.

Partners
These are the Mappers implementing partners






EAB
Mappers End Users Advisory Board



The research team
Learn more about Mappers Researchers


Tweets
Follow


Upcoming Events

Tomorrow
MAppERS Regional workshop
January 22, 2015
Gorizia

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National Research Council of Italy (CNR)

Research Institute for Geo-hydrological Protection of Padua (IRPI)

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