Citizen Sensing

Citizen Sensing – Urban Climate Resilience through Participatory Risk Management Systems

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CONSORTIUM

Citizen Sensing

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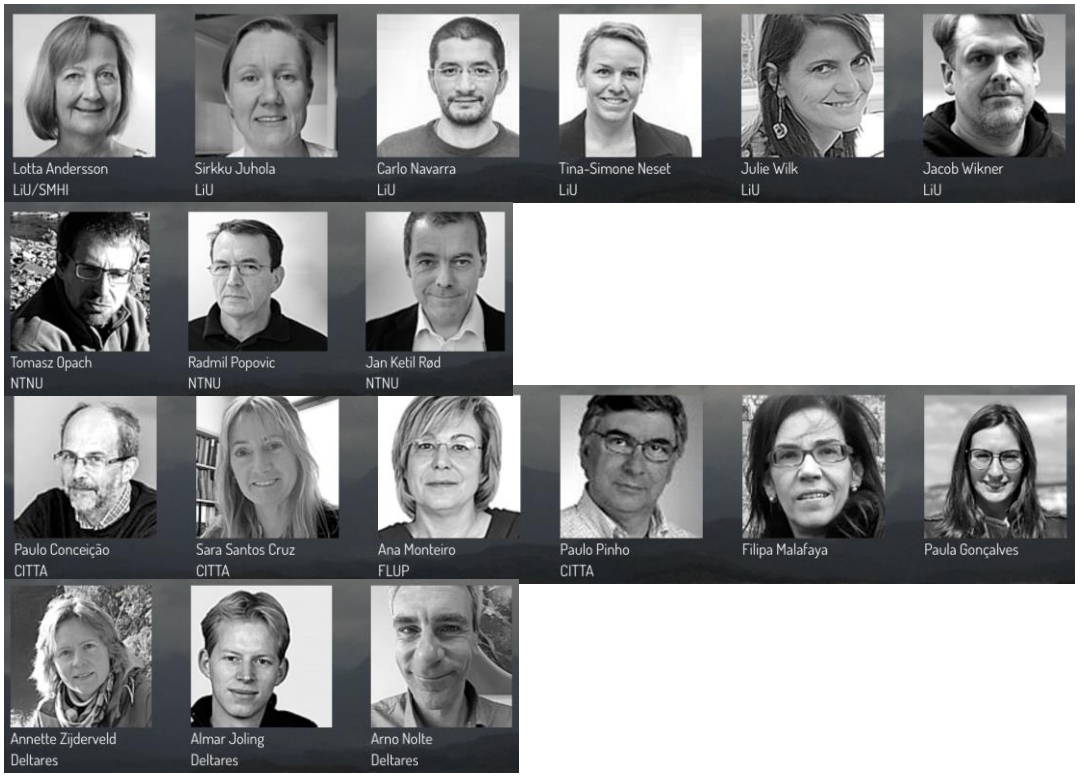

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ERA4CS European Research Area for Climate Services

FINANTIAL SUPPORT ERA4CS – ERA Net Cofund for Climate Services, through FCT - Fundação para a Ciência e a Tecnologia, I.P.

DURATION 3 years

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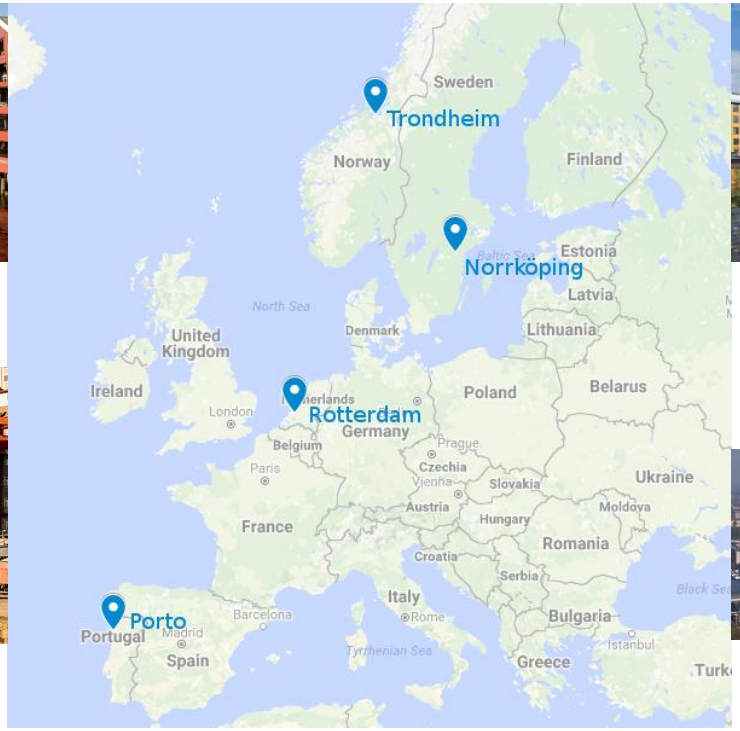
PILOT CITIES

Citizen Sensing

Trondheim, Norway

Porto, Portugal



Norrkoping, Sweden

Rotterdam, Netherlands

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MAIN CONTRIBUTION OF PROJECT

Citizen Sensing

SCOPE OF RESEARCH

To promote urban climate resilience, being prepared & cope with the intensified challenges of climate-related impacts.

THE GAP

To ensure the security of residents, municipalities and civil protection agencies need **high-resolution temporal and spatial data of where risks are developing,** as well as, **rapid and effective means of communicating with inhabitants**, especially the most vulnerable.

THE CONTRIBUTION

To operationalize climate impact-based warnings that **incorporate local knowledge.**

> '**Citizen sensing** *can be defined as* ***citizens acting as sensors to collect and send information to relevant authorities/organizations***

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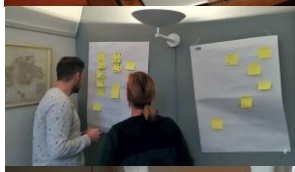
Main activities

- **ENGAGEMENT WITH STAKEHOLDERS**

Participatory stakeholders workshops to evaluate the PRMS, throughout the project, to further adjust and advance the system to match the requests of the stakeholders.

1st set of workshops – to identify key issues in each pilot (extreme events, climate risks, …), and to test the prototype of the *app*

Meetings with different institutions (municipalities, Civil protection, Universities, …)



- **CHARACTERIZATION OF EACH PILOT**

Climate features and scenarios

Extreme climate events and main climate risks

Institutional structure for climate adaptation (at regional and local level)

Public participation in policy making

- **START TESTING THE PRMS/App** – participatory risk management system

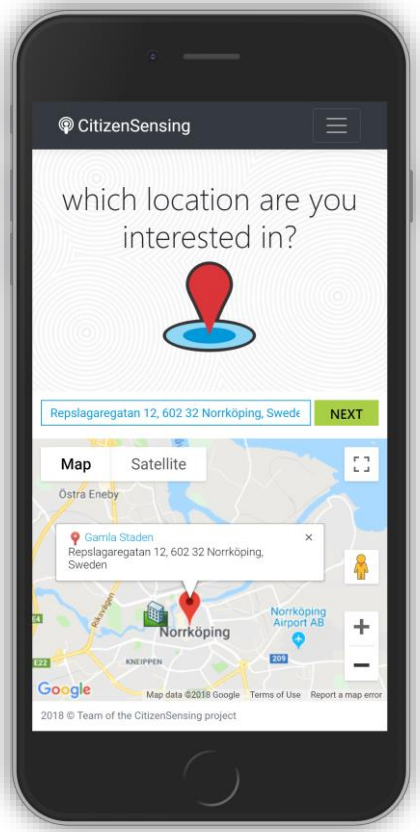
Set of internal tests using the App – contributions to the improvements to the App

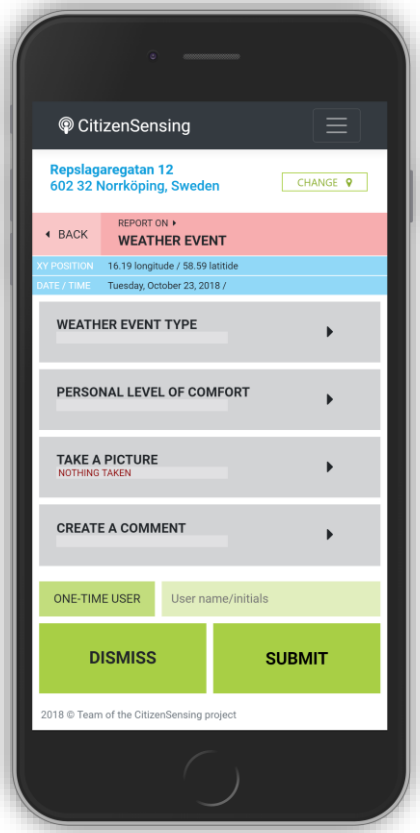
Definition of groups of users

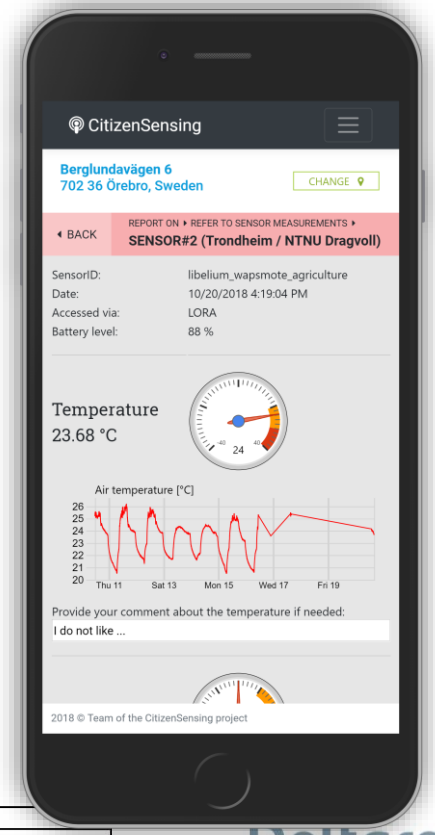
Test campaigns

Participatory Risk Management System

REPORT ON







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Participatory Risk Management System

VIEW REPORTINGS

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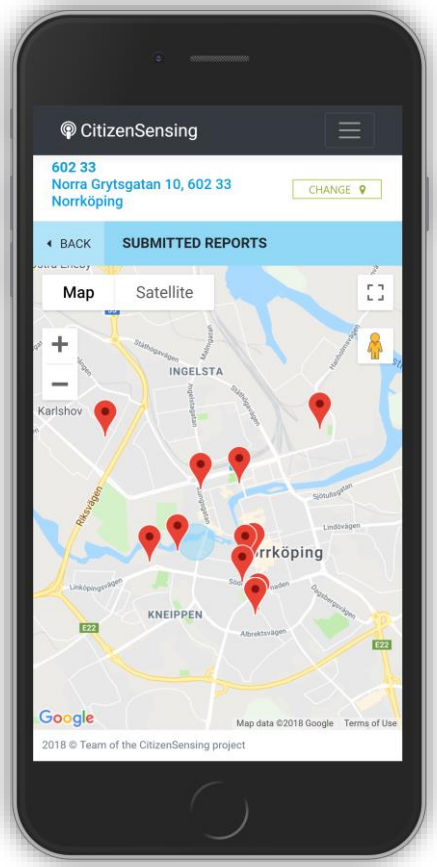

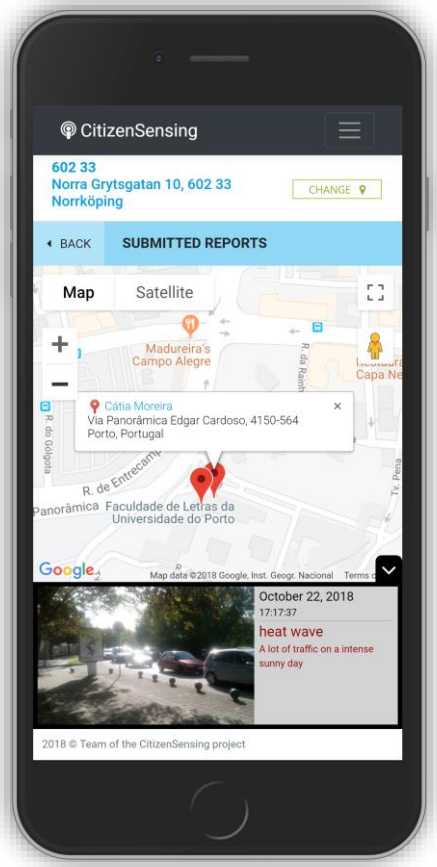

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