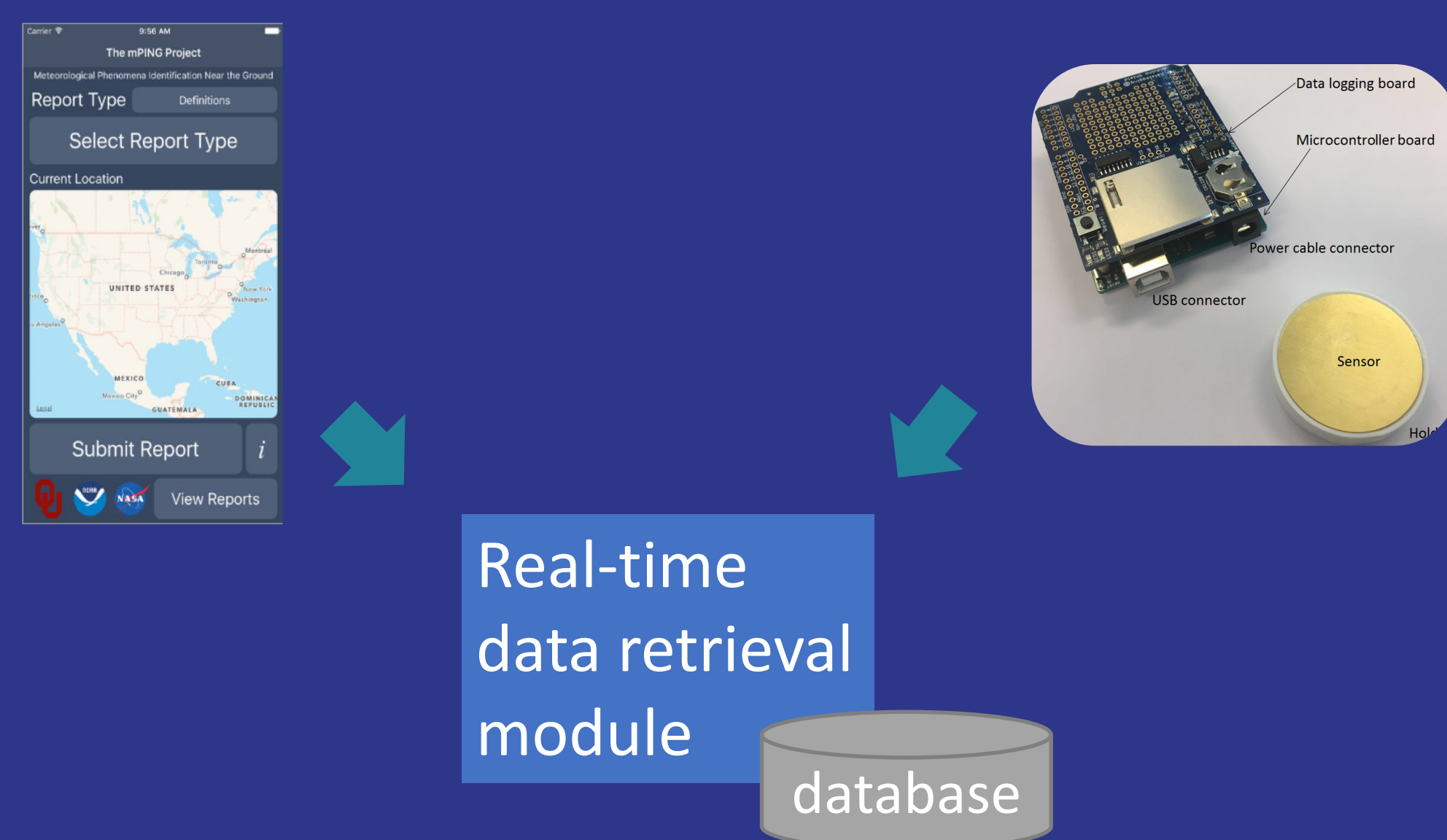


## The different roles of participants for monitoring rainfall and urban flood

Boonen, M. & Veeckman, C.

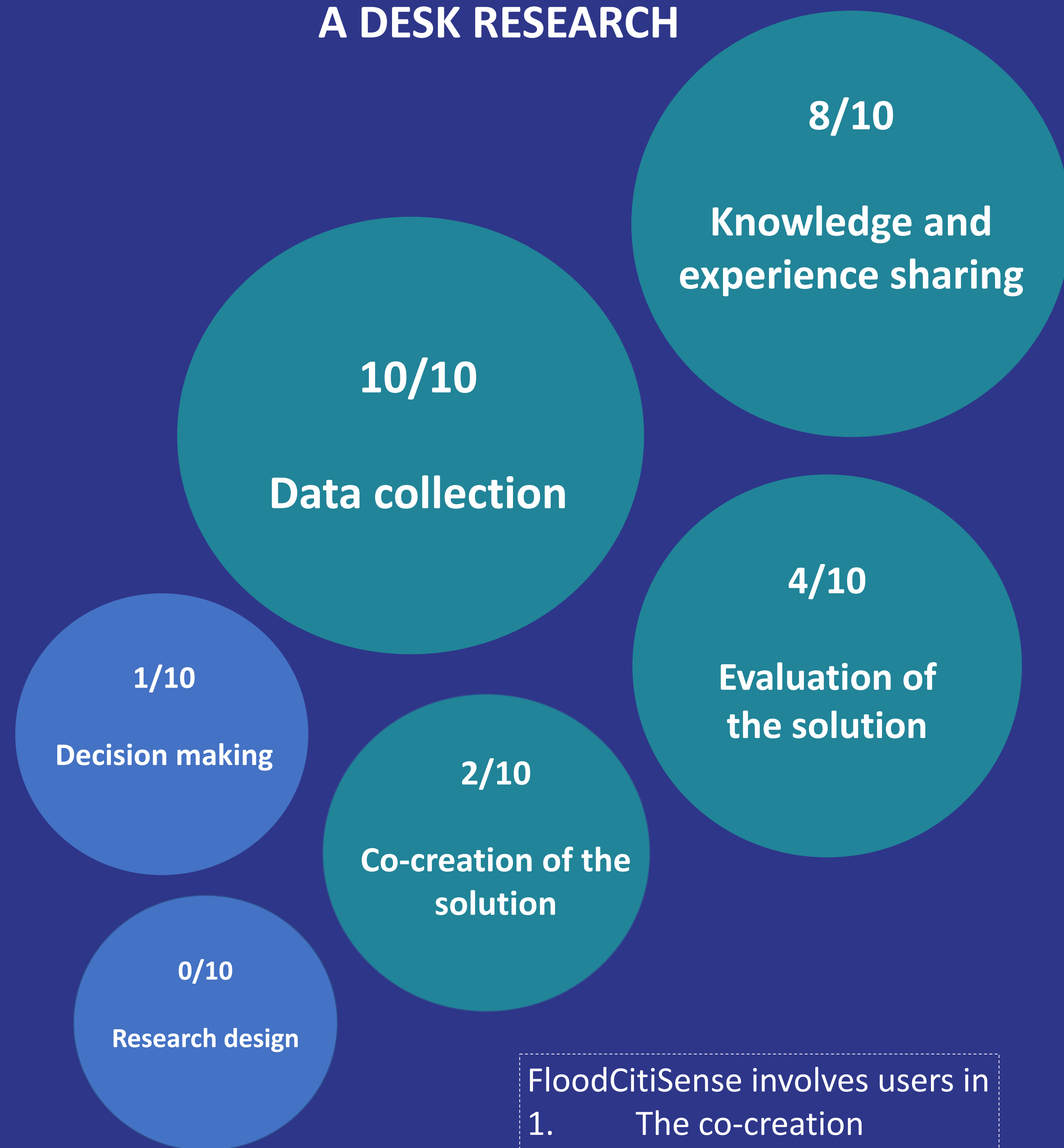
FloodCitiSense aims at developing an urban pluvial flood early warning service for, but also by citizens and city authorities. Within this, citizens are actively involved in the monitoring of rainfall and pluvial flooding, by making use of low-cost sensors and web-based technologies.



This poster focuses upon the roles which citizens can play in the spectrum of citizen science for monitoring and mapping of urban floods, and in the co-creation of the tools to do so.

### 1. VARIOUS ROLES WITHIN CITIZEN SCIENCE PROJECTS

A DESK RESEARCH



FloodCitiSense involves users in

1. The co-creation
2. The quality control of the data
3. The evaluation of the solution

### 2. CITIZEN ROLES IN FLOODCITISENSE CO-CREATION WORKSHOPS

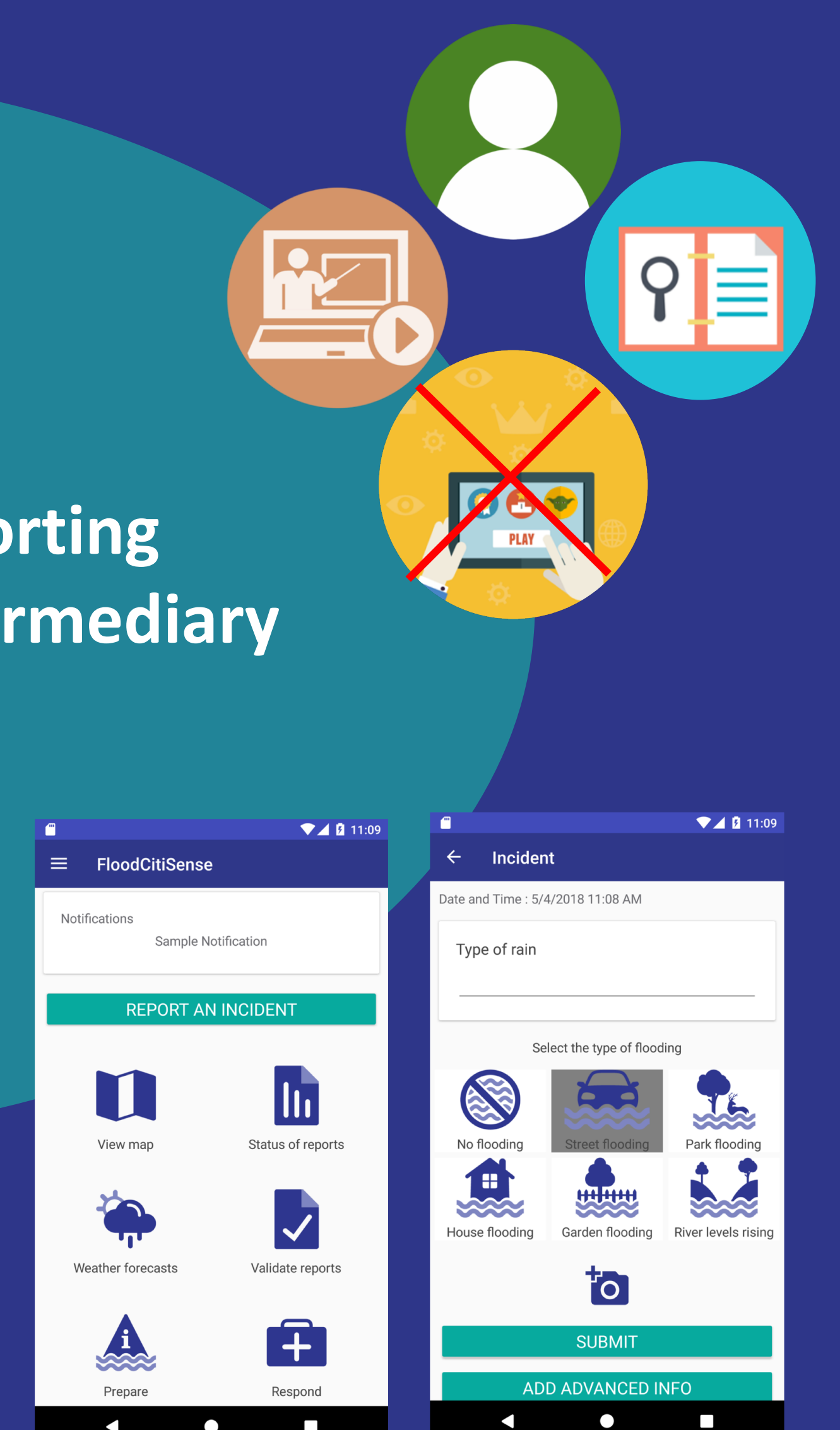
#### METHODOLOGY



- App Requirements
- Motivations and barriers to use
- Look & feel

#### RESULTS

3 Types of user profiles  
Basic versus advanced reporting  
Quality control first by intermediary  
Education is important  
No gamification elements



FloodCitiSense – Early warning service for urban pluvial floods

Duration: 2017- 2020

Website: [www.jpi-urbaneurope.eu](http://www.jpi-urbaneurope.eu)

Presenter: Michelle Boonen, Imec-SMIT-VUB

Email: [michelle.boonen@imec.be](mailto:michelle.boonen@imec.be), [carina.veeckman@imec.be](mailto:carina.veeckman@imec.be)