CHILD RESCUE

Collective Awareness Platform
for Missing Children
Investigation and Rescue

ICT-11-2017: Collective Awareness Platforms for
Sustainability and Social Innovation
Innovation Action (IA)

ChildRescue

COLLECTIVE AWARENESS PLATFORM FOR MISSING CHILDREN INVESTIGATION AND RESCUE

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What does ChildRescue offer?

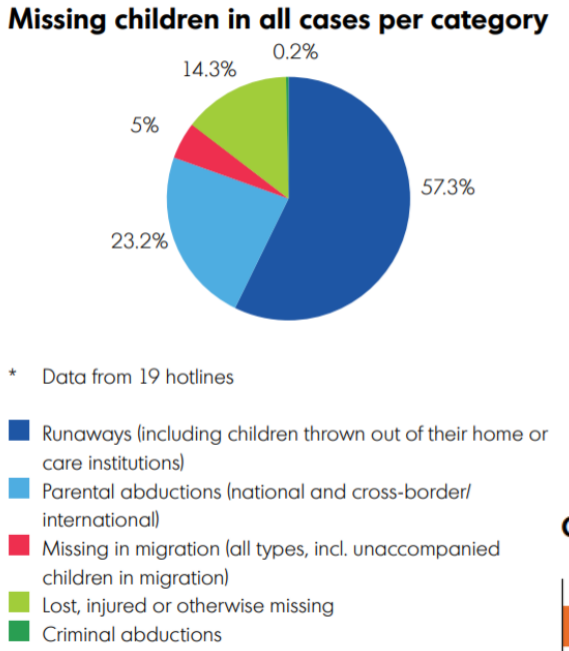
Through the use of cutting-edge technologies, ChildRescue harnesses collective awareness, for the **faster and more effective resolution of missing children cases**.

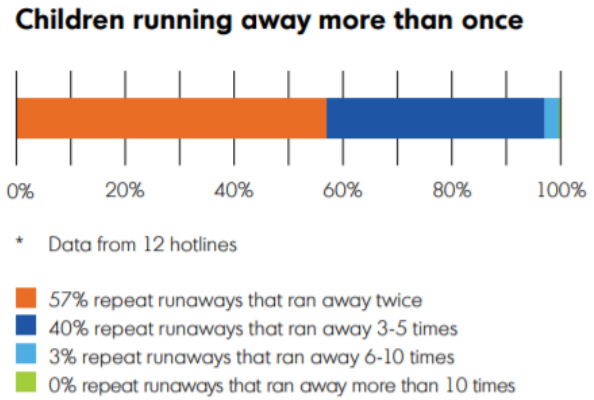
ChildRescue is co-funded from the European Union's Horizon 2020 research and innovation programme, with the goal to:

- reduce the time required to identify a missing child
- support the detection and protection of unaccompanied migrant minors

Current challenges

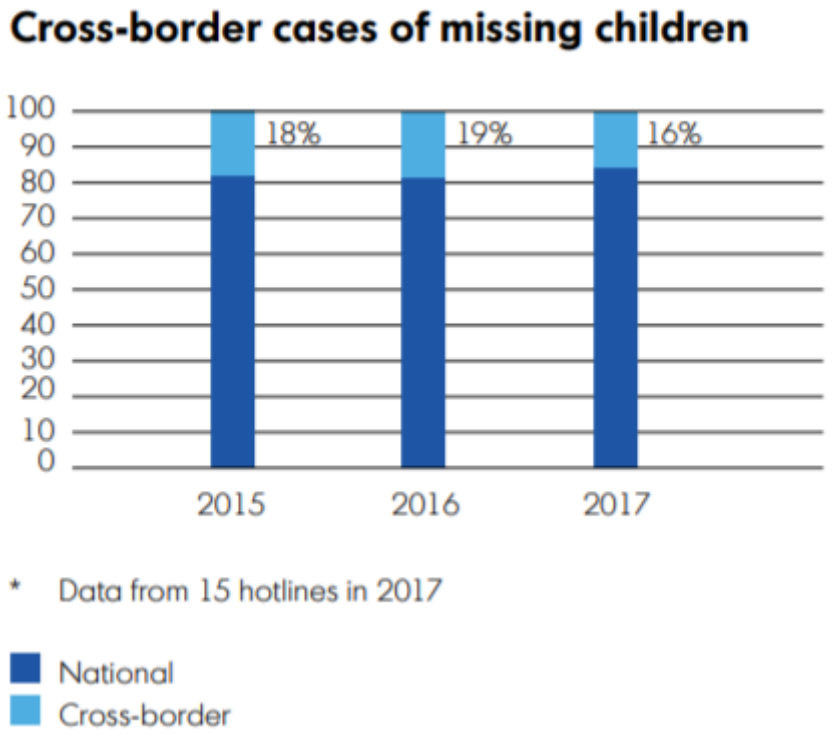
- Distraction due to constant reception of stimuli & Lack of location-focused distribution of alerts
- Insufficient capture and diffusion of information; no real-time, uninterrupted channel that would allow the flow of information from and to members of the community
- Focus (of Amber Alert) on certain categories of missing children cases (i.e. mainly criminal abductions)
  - More than 70% of the cases do not belong in this category
- Difficulty in cross-referencing and determining the status of children discovered or registered with authorities





Current challenges
in the protection of unaccompanied migrant minors

- Lack of cross-border cooperation among care institutions, law enforcement agencies and networks for missing children
- Lack of control and cross-checking of the identity of the unaccompanied migrant minor arriving at a hosting facility from another one
- Multiple registrations of the same unaccompanied migrant minor in different hosting facilities due to their high mobility and lack of common registry
- Lack of follow-up on the status of unaccompanied migrant minors (i.e. no tracing)

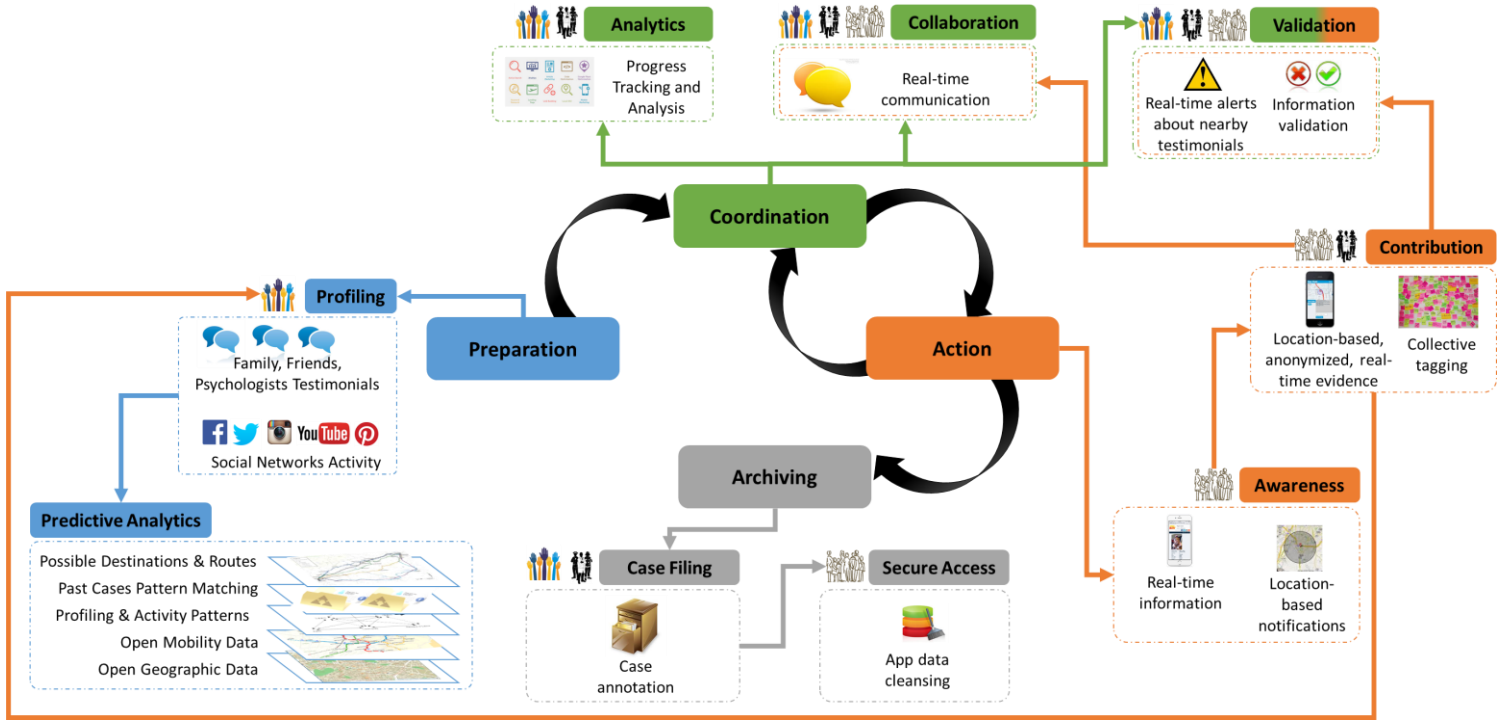


The ChildRescue solution

- Aggregation and combination of multiple sources of information in real-time
- Privacy-respectful information sharing among the participating organisations
- Improved collaboration among the investigation teams and the volunteers
- Instant community action, empowering citizens to act as social sensors in the investigations' action phase
- Systematic guidance of the spontaneous network effect, towards a faster and more effective resolution of missing children cases, using intelligent data analysis and prediction techniques

ChildRescue at a glance

The mobile application and the ChildRescue platform transform citizens into informed "social sensors"

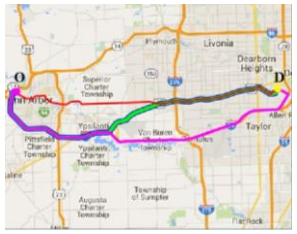


How?

Through the exploitation of innovative technologies, it achieves:

- *Location-based distribution of alerts*

- *Prediction of the most probable location and routes followed for the missing child*



Geofencing & Alerts Distribution

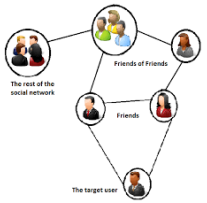
Crowdsourcing & Evidences Validation

Predictive Analytics

Social Network Analysis

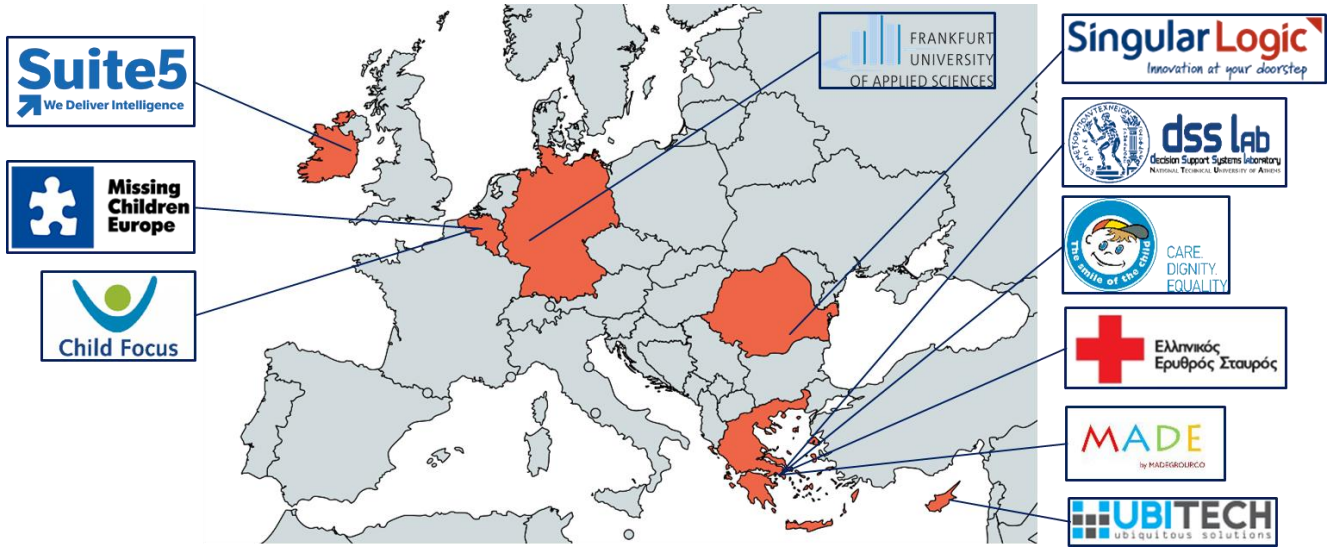
- *Raising of individual & collective awareness for the collection and validation of information on the missing child and his/her movements*

- Use of social networks as an additional source of information for the missing child

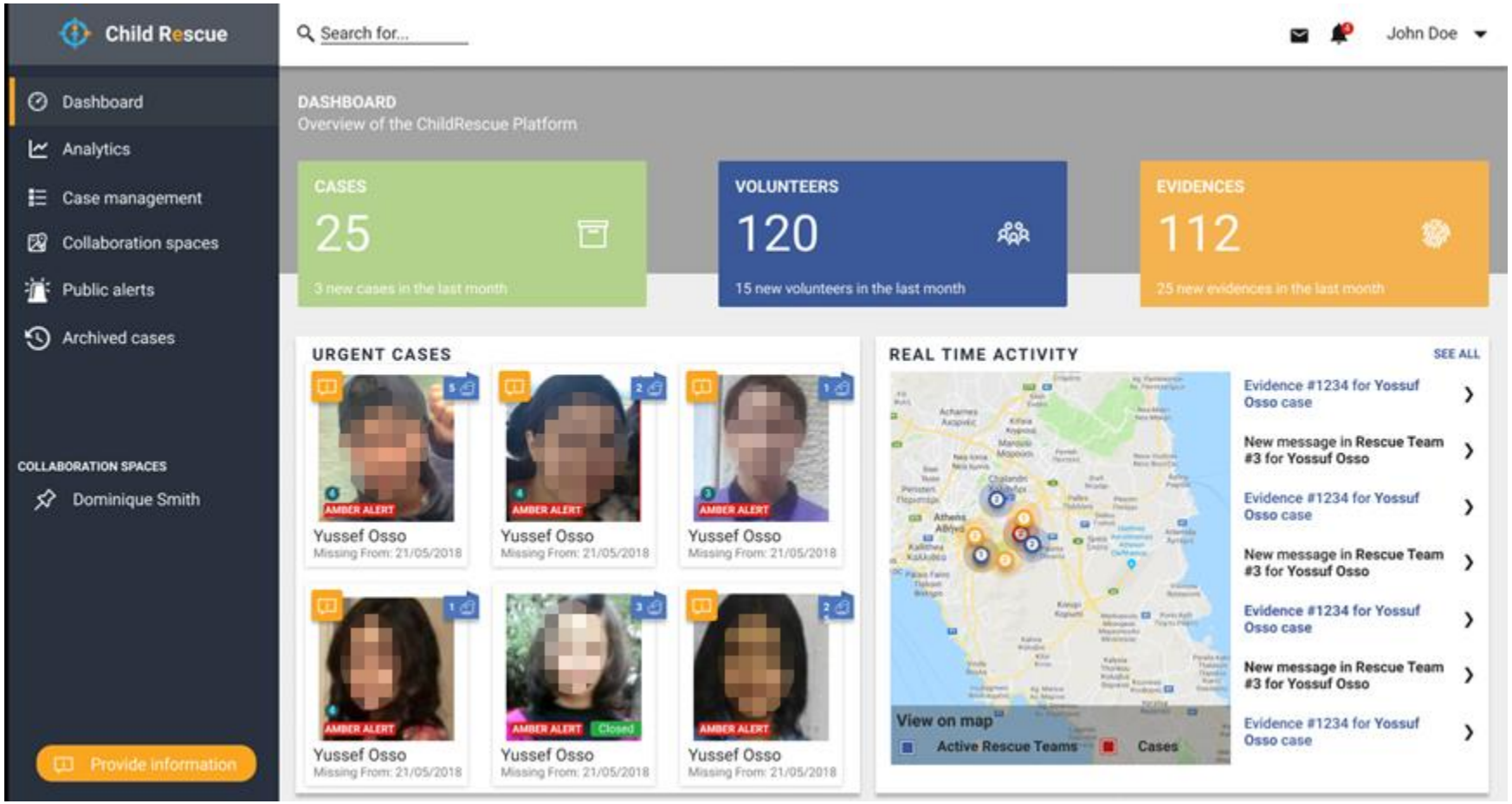


Which are the ChildRescue consortium partners?

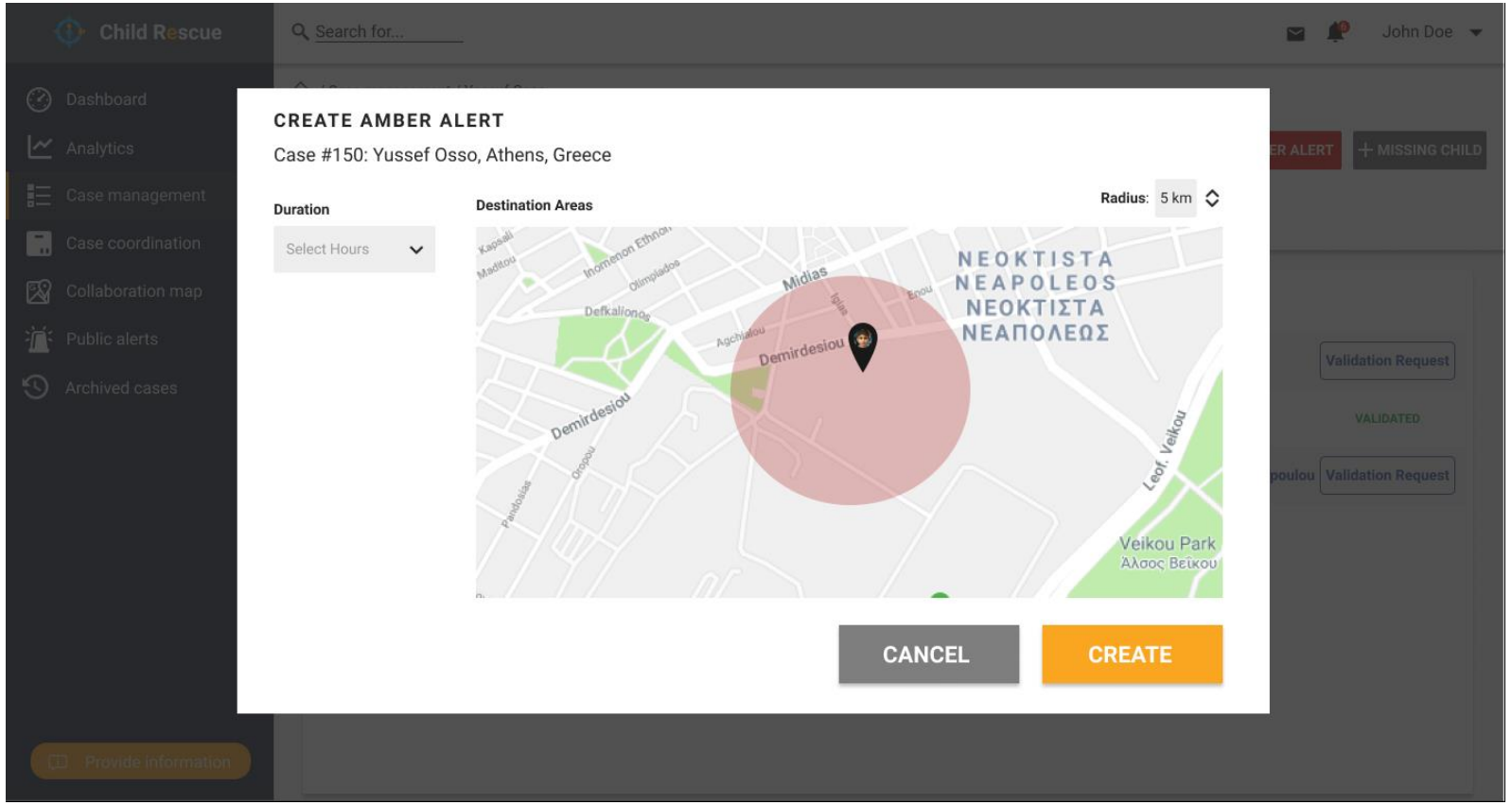
Partners		
	National Technical University of Athens (NTUA), Decision Support Systems Laboratory, DSSLab Co-ordinator	Greece
Missing Children Europe	European Federation for Missing and Sexually Exploited Children AISBL - Missing Children Europe (MCE)	Belgium
CARE DIGNITY EQUALITY	The Smile of the Child (SoC)	Greece
Child Focus 116000	Foundation for Missing and Sexually Exploited Children – (Child Focus)	Belgium
Ελληνικός Ερυθρός Σταυρός	Hellenic Red Cross (REDCROSS)	Greece
FRANKFURT UNIVERSITY OF APPLIED SCIENCES	Frankfurt University of Applied Sciences (FRA-UAS)	Germany
SingularLogic Innovation at your doorstep	SINGULARLOGIC ANONYMI ETAIREIA PLIROFORIAKON SYSTIMATON KAI EFARMOGON PLIROFORIKIS (SLG)	Greece
UBITECH ubiquitous solutions	Ubitech Limited (UBITECH)	Cyprus
MADE by MADGROUP.CO	MADE Group (MADE)	Greece
Suite5 We Deliver Intelligence	SUITE5 DATA INTELLIGENCE SOLUTIONS LIMITED (S5)	Cyprus



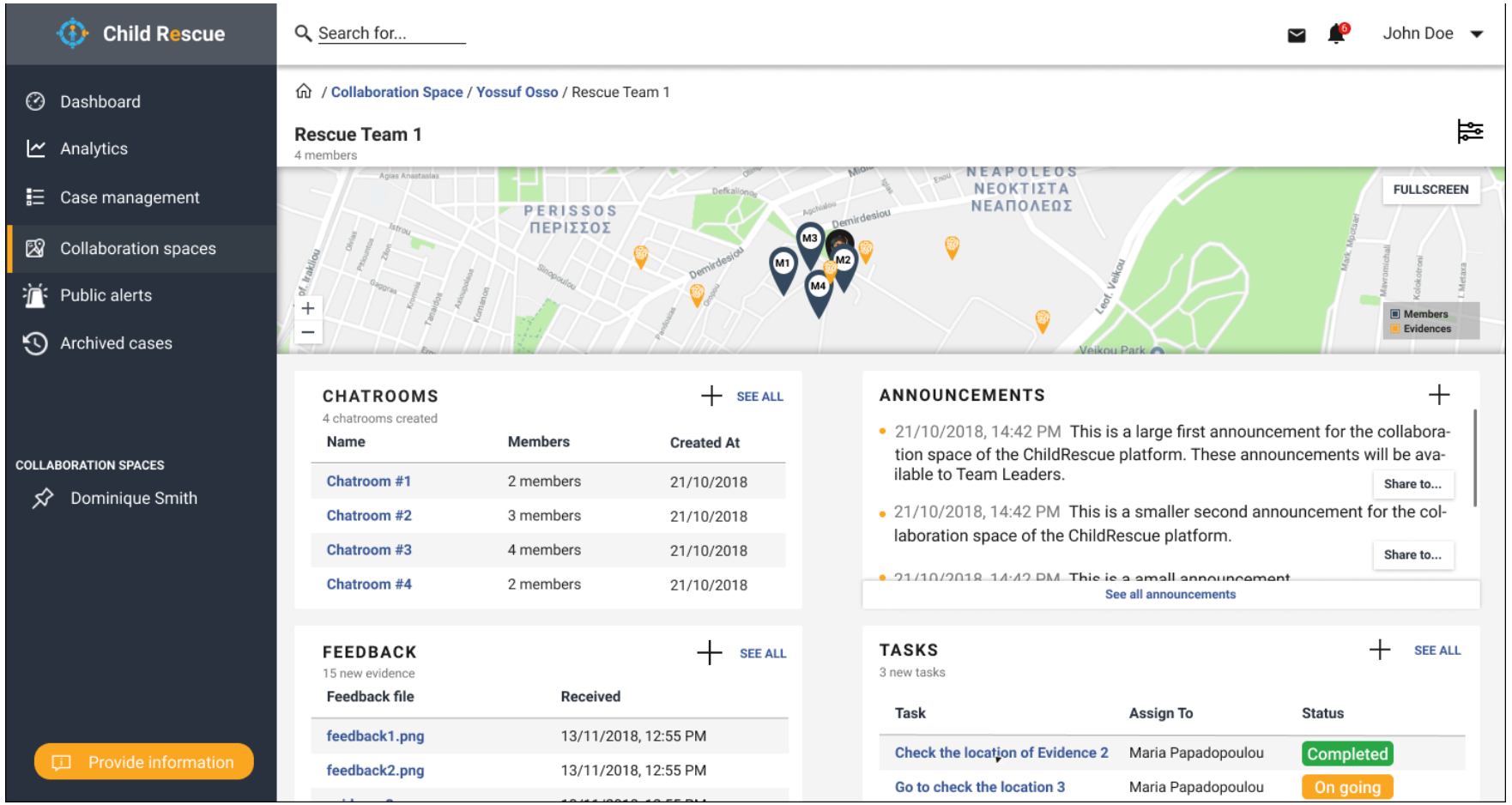
Dashboard for the Case Manager (1/2)



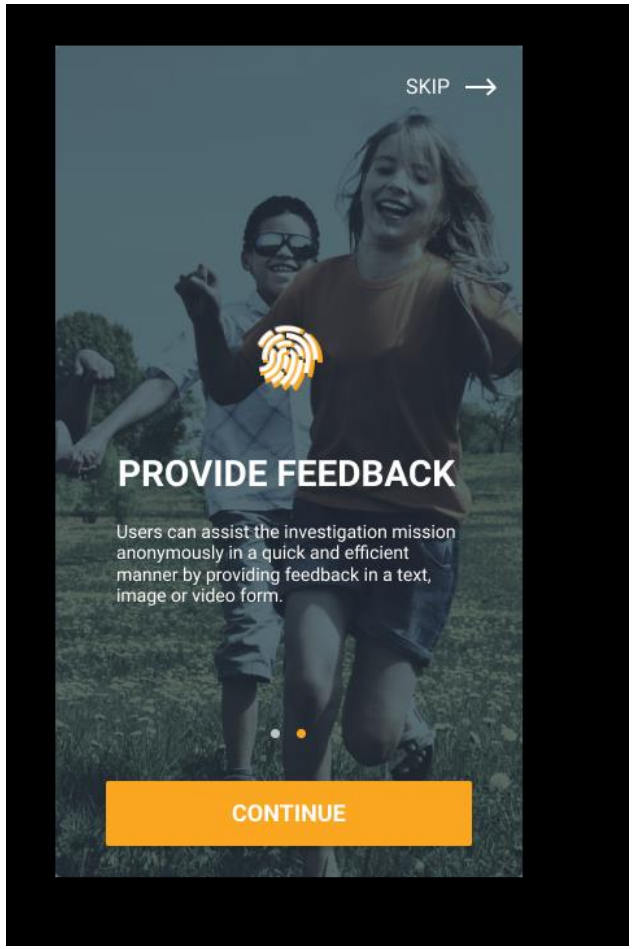
Dashboard for the Case Manager (2/2)

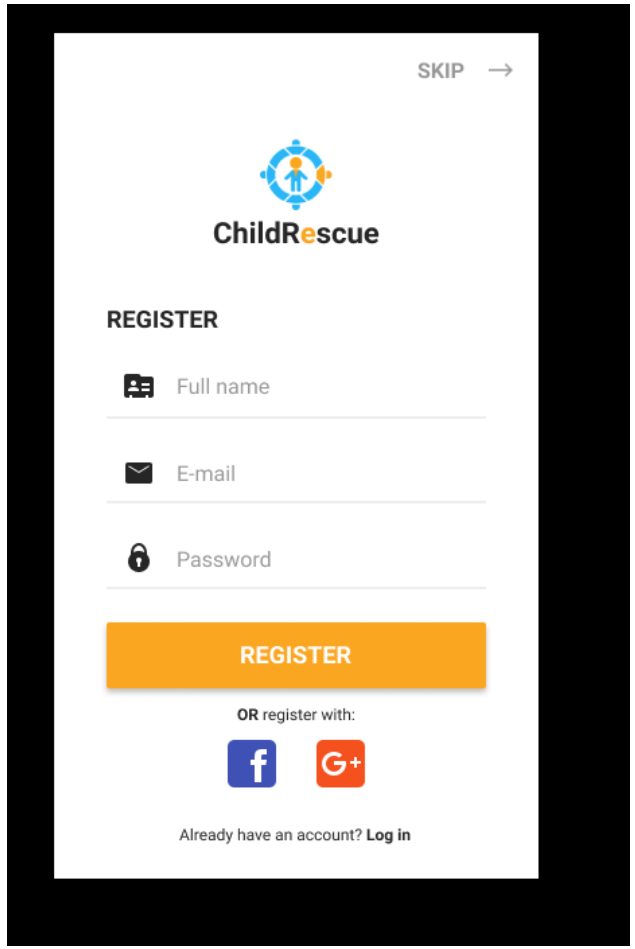


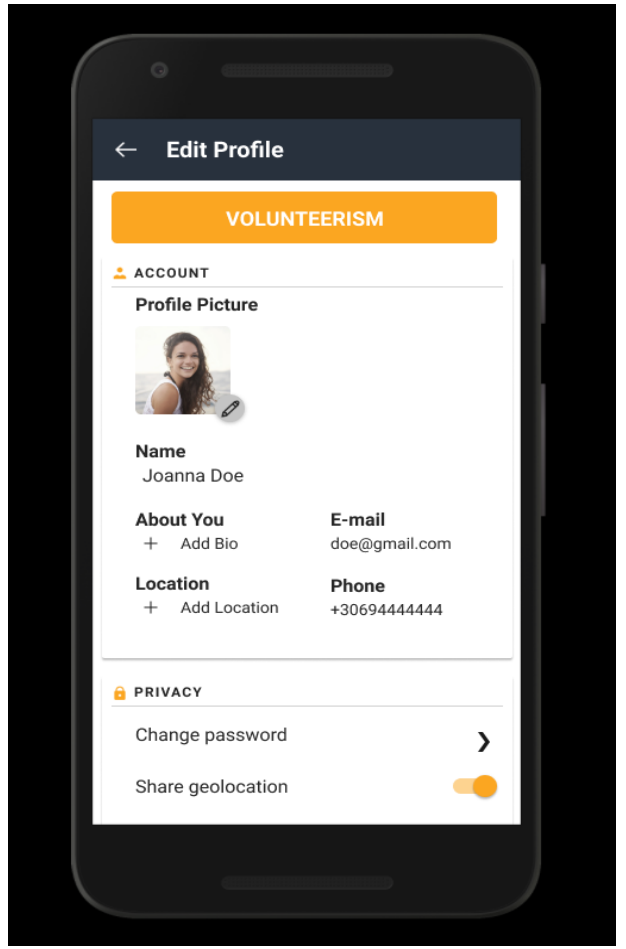
Collaboration Space for the Case Manager

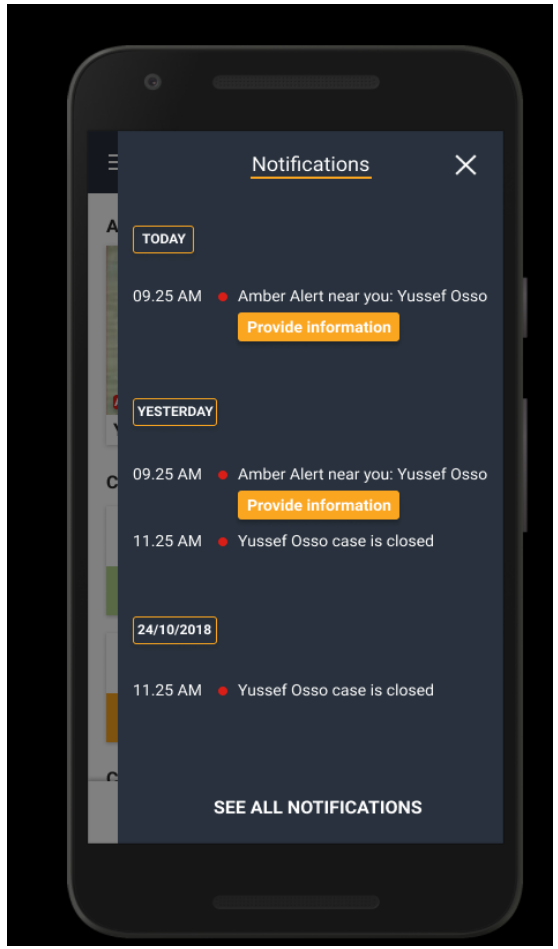


Mobile app for the simple users (1/2)

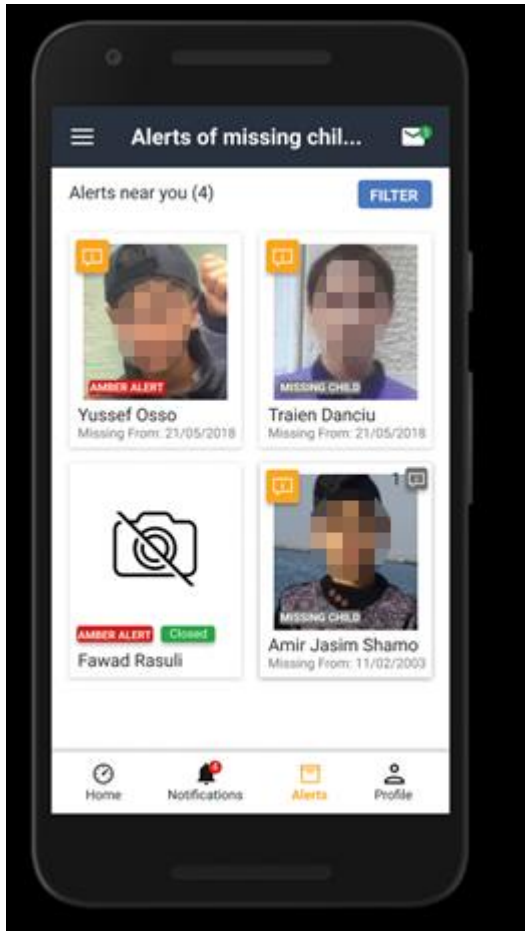


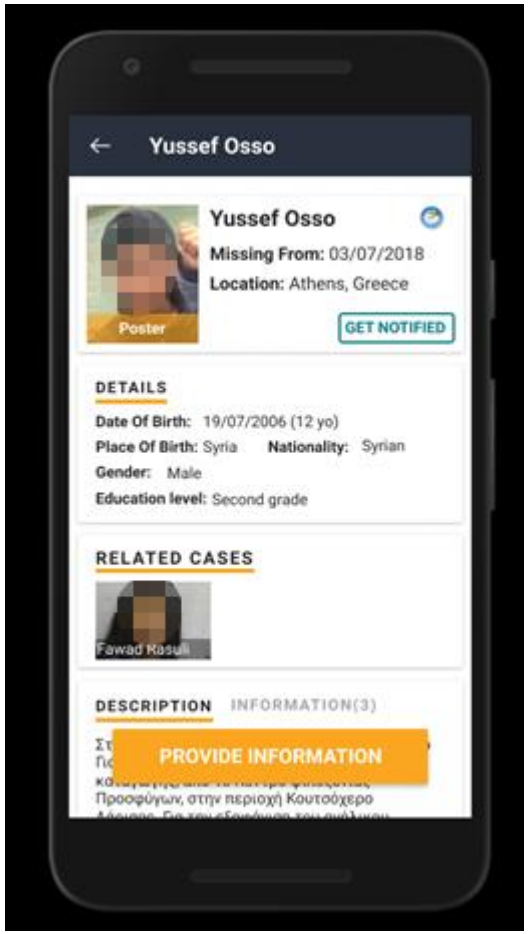


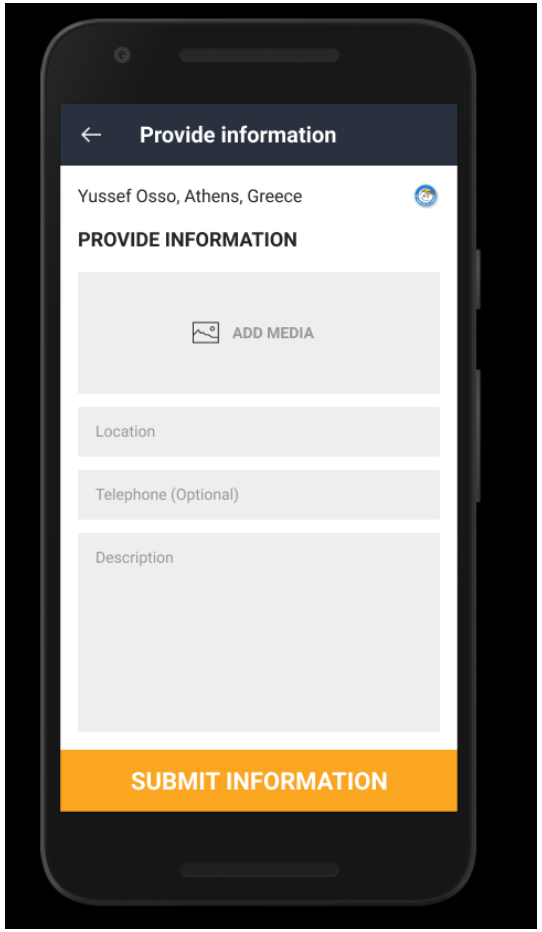


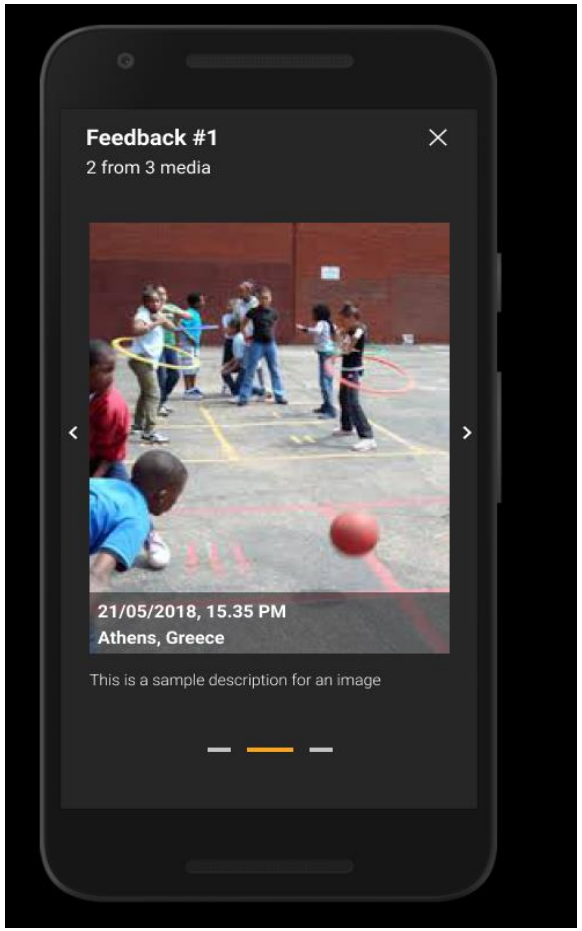


Mobile app for the simple users (2/2)





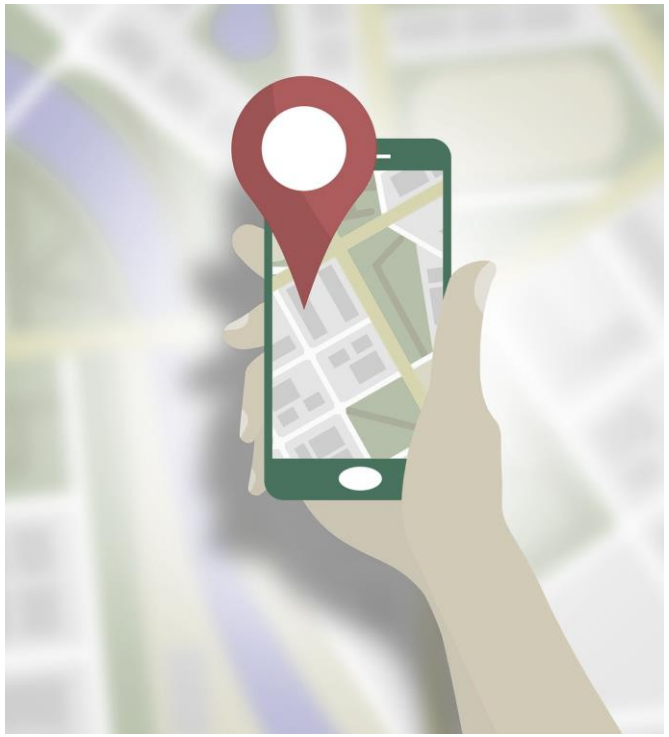




ChildRescue in 2020

By the end of 2020, ChildRescue aims to be actively used:

- In the search for missing children
- In the support of hosting facilities for unaccompanied migrant minors
- As a tool for cross-border co-operation among public and private child welfare organisations on a pan-European level



When?

- ***June 2019***: 1st pilot release of the ChildRescue mobile application
- ***July-September 2019***: Internal testing and pilot experimentation on the 1st release of the application in Greece and Belgium
- ***End of September 2019***: Training and simulation/tabletop exercise in a controlled group of 10-20 people in Greece and Belgium
- ***November 2019***: Internal testing to a larger controlled group of volunteers (e.g. 2.000 people) in Greece and Belgium
- ***End of February 2020***: Training (one day) and field exercise (one day) of the beta version of the ChildRescue platform and application
- ***March 2020***: Final version of the ChildRescue platform & mobile app

May 2020:
Public release of the ChildRescue platform

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Every minute counts when a child is missing