What's in the Public Safety App Store?

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So we are used to our smartphones

Provocation

Why can't we do that in our day job ??

- **Coffee and Collaboration**

- **Apps for the PPDR sector**
  - David Lund, PSCE, and
  - Laurence Claeys, iMinds, Digital Research and Business Incubator, Belgium

Split into groups and define

50 apps

- Original number of Apps in Paris - 50

Picking out common themes

- Original number of Apps in Paris - 50

- Refined number of Apps in Graz- 36

Define 50 Apps

Each Group chaired by End Users
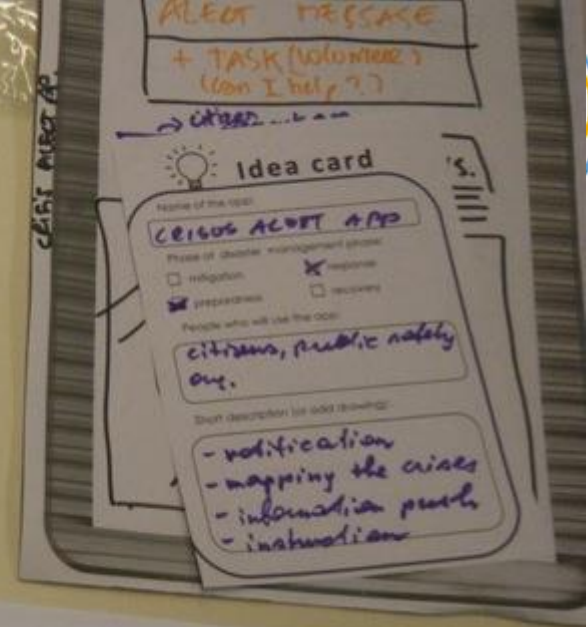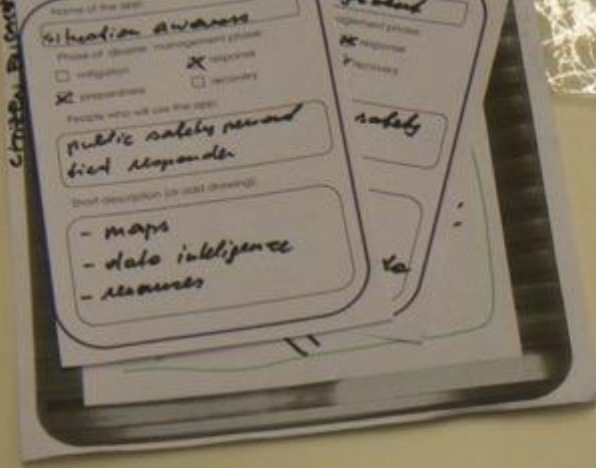
Uwe Kippnich
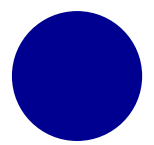
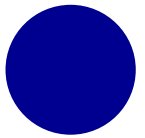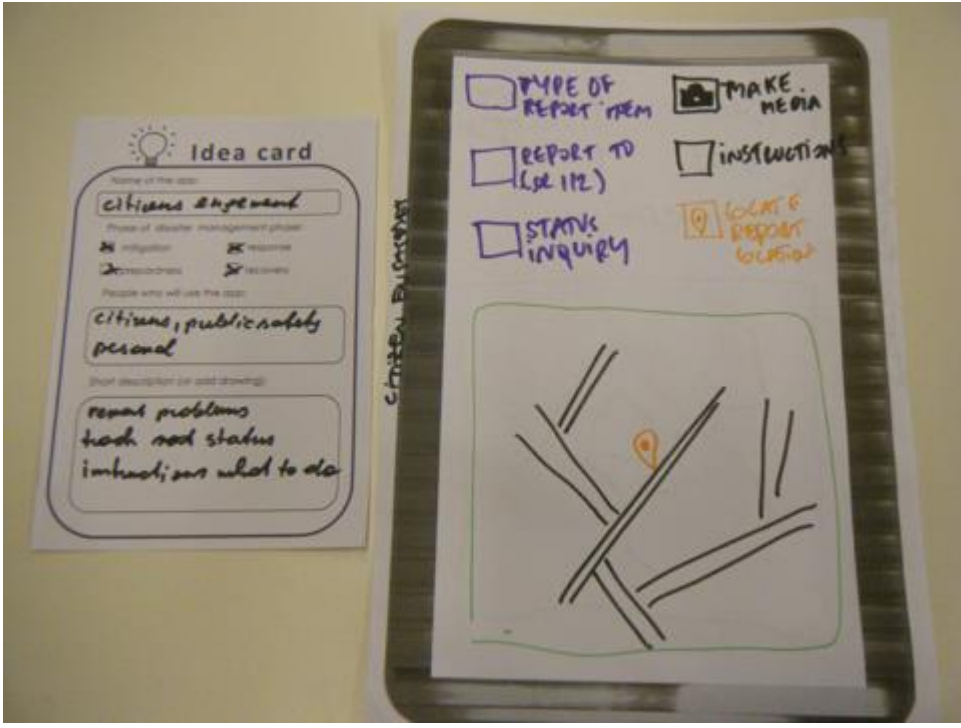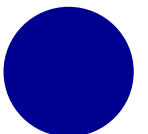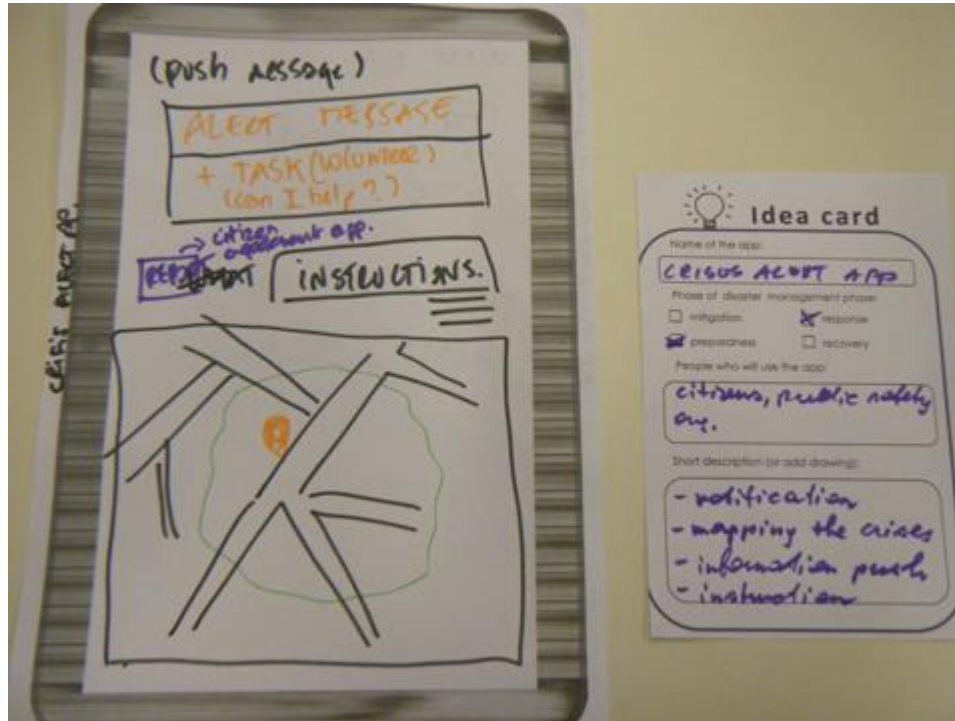# App management and organization
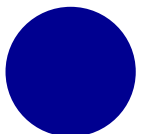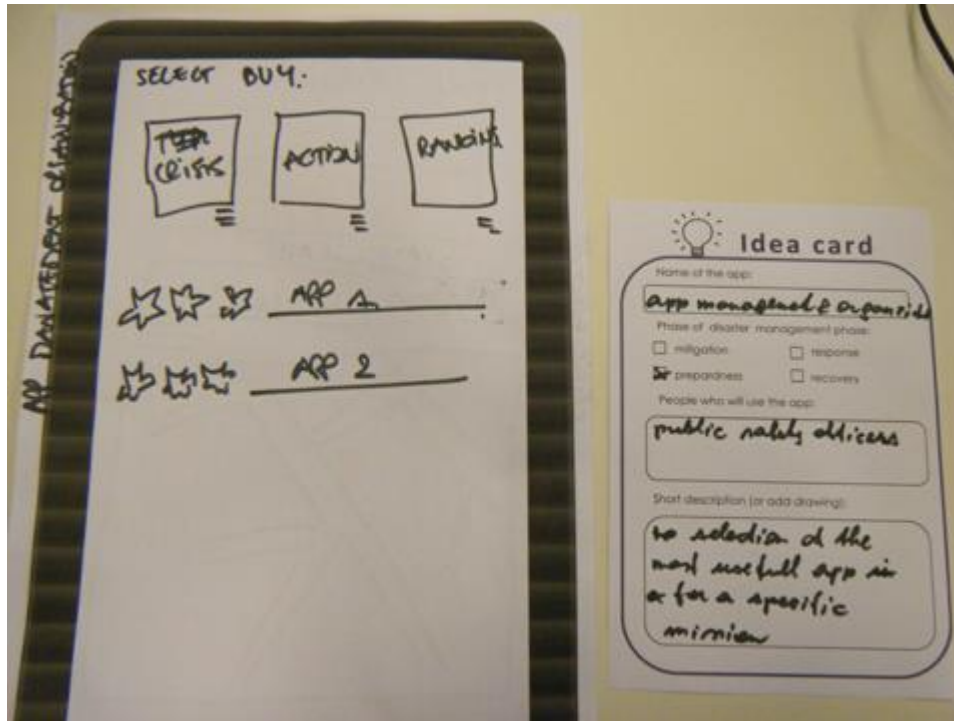
Citizen engagement

Crisis alert app

Situation awareness app
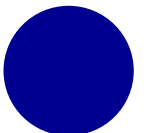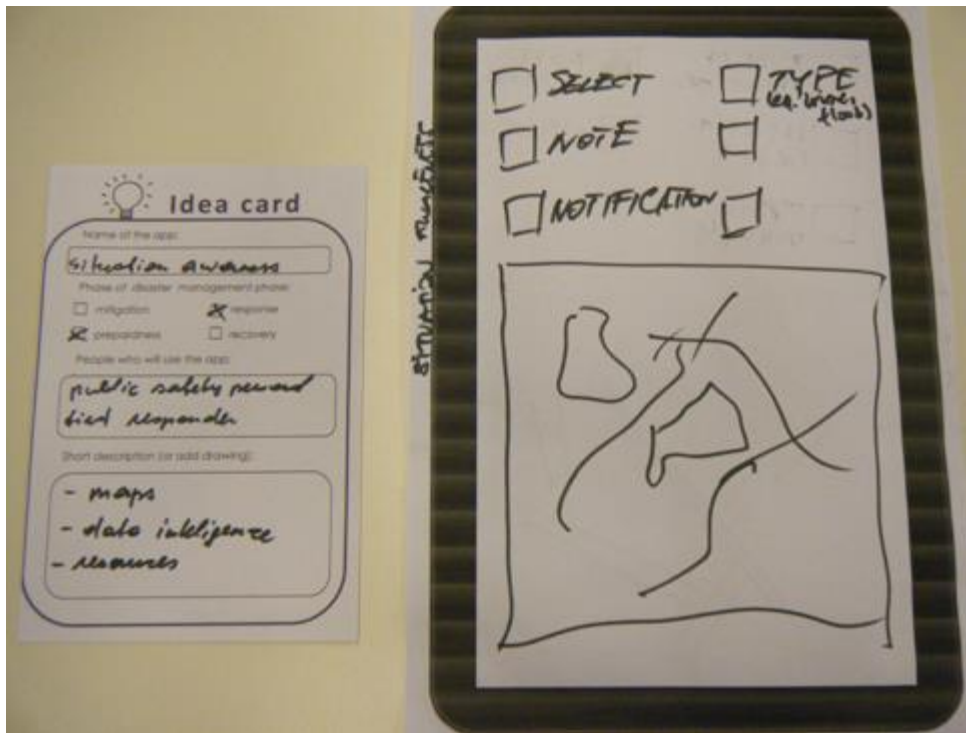
Triage app
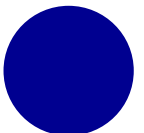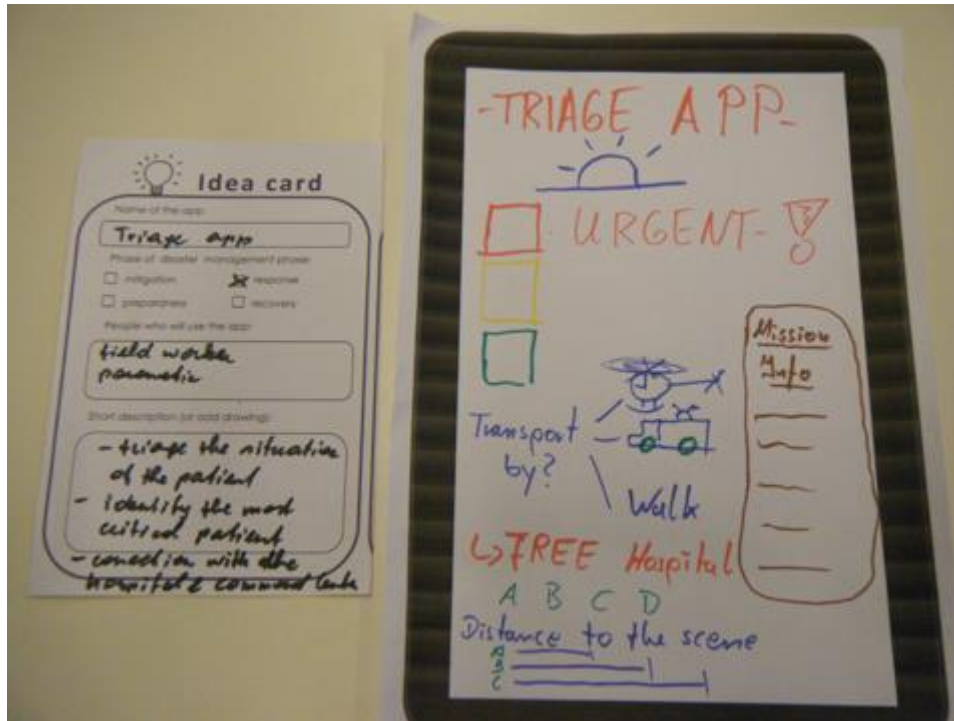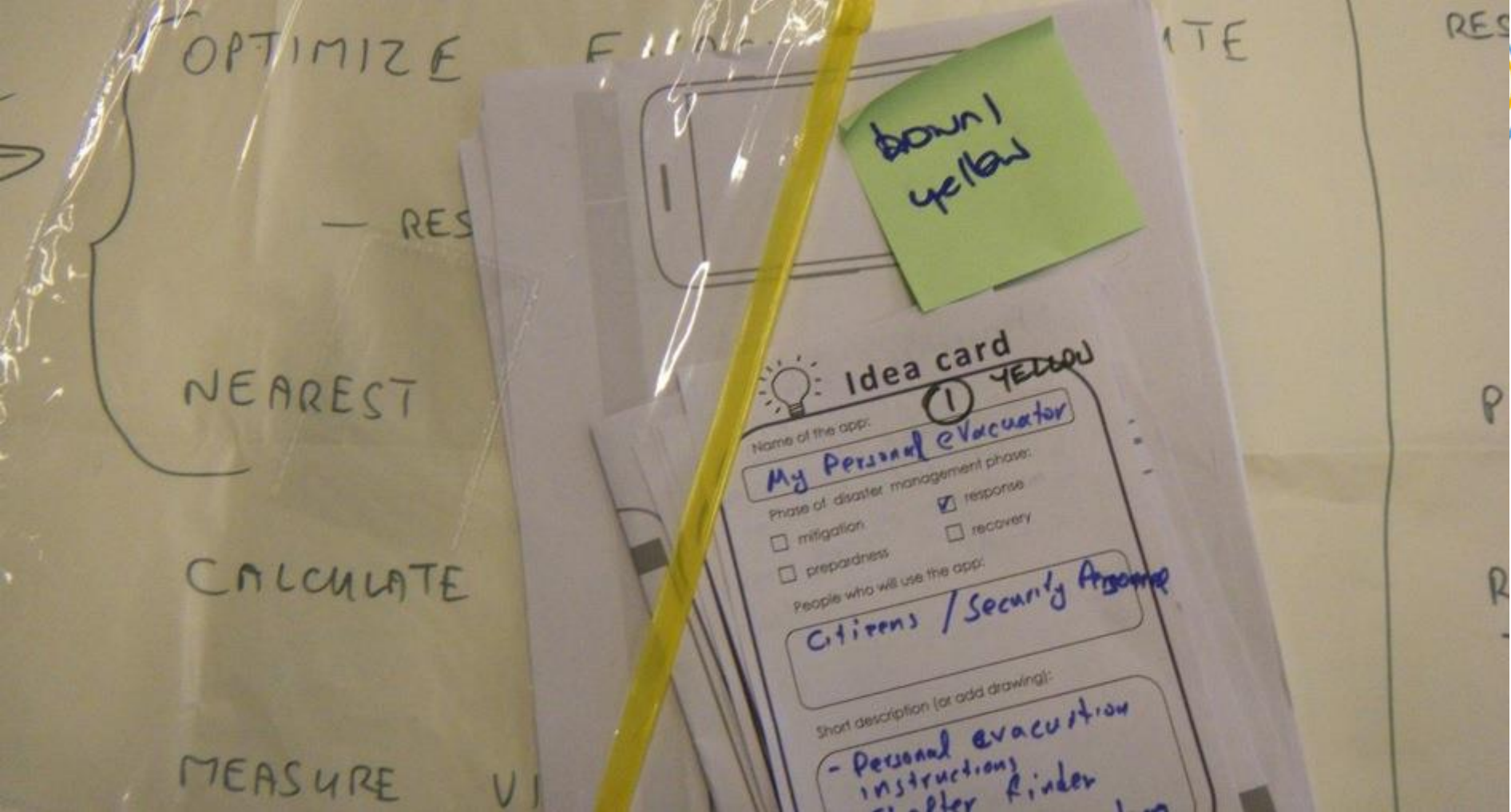
Hakan Marcusson & Finian Joyce

Around 10 people involved in this session
(names should be derived form the attendance list)
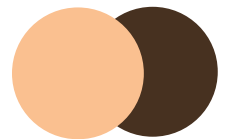
BA-T2 whistle
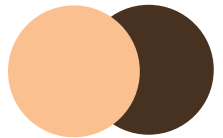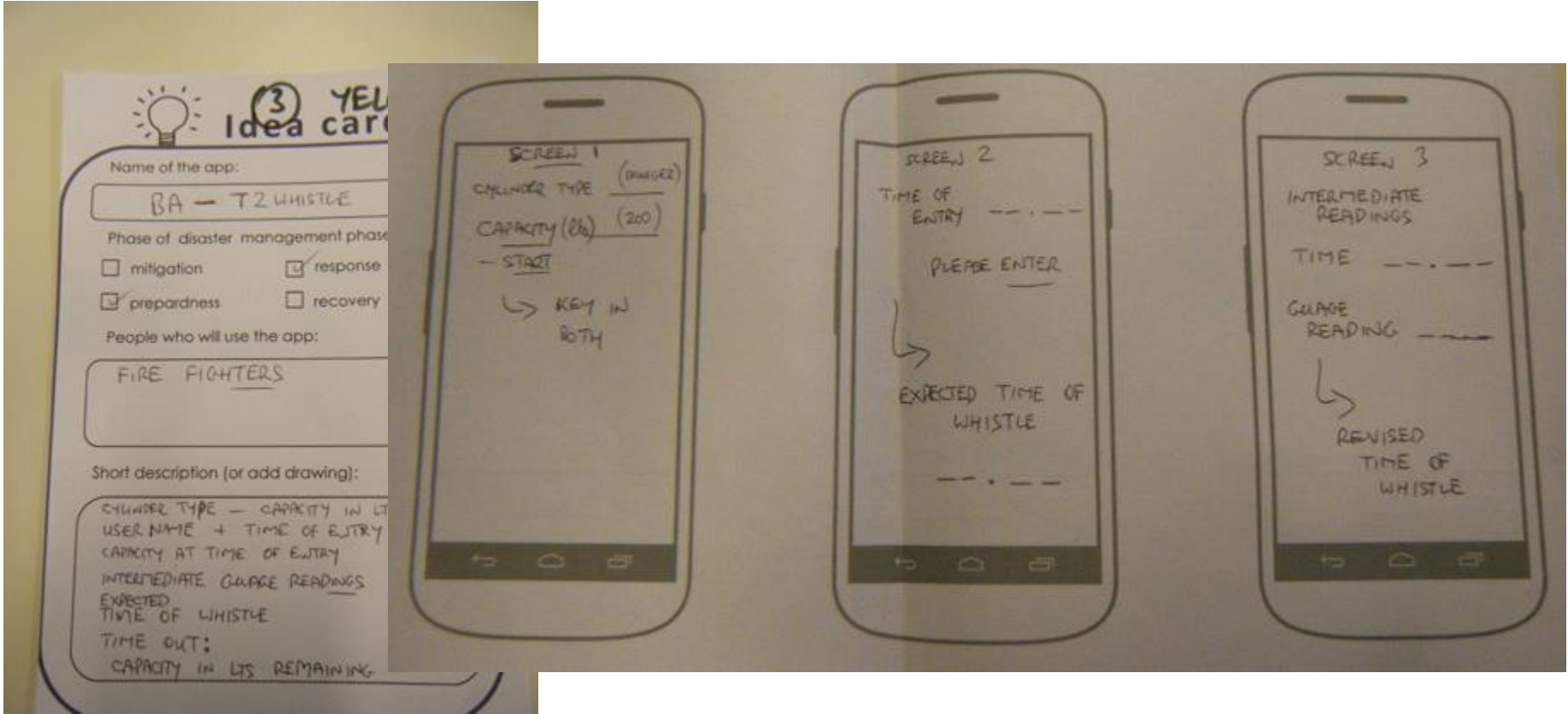
E-triage app

My personal evacuator

Reassure beloved

Vehicle incident telematics

Where is the response

Geir Myhre

Crowd movement app
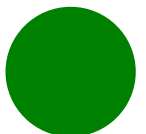
Historical crime density map
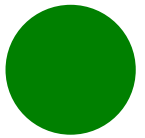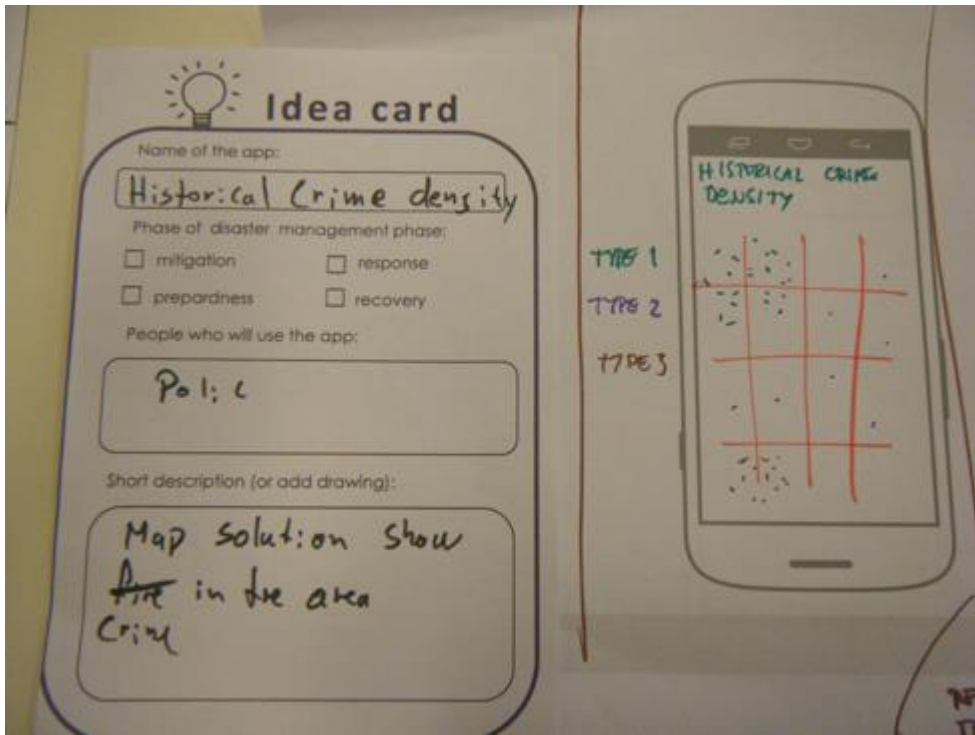
Historical density of fire map
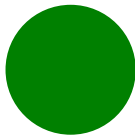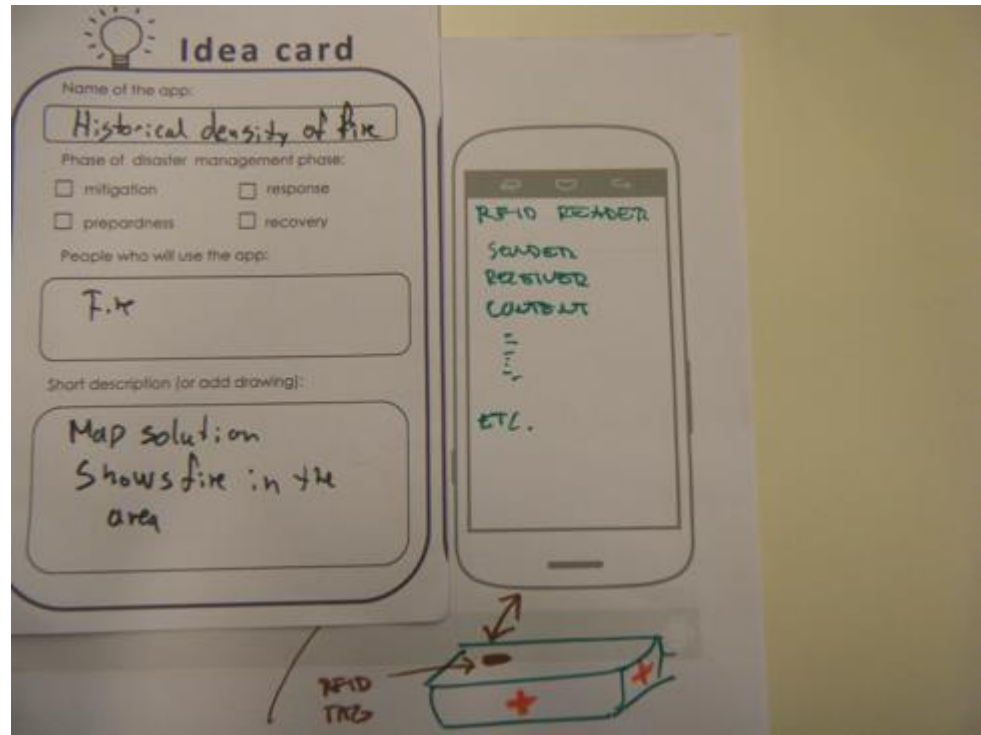
Document reader app
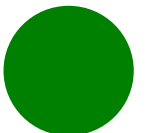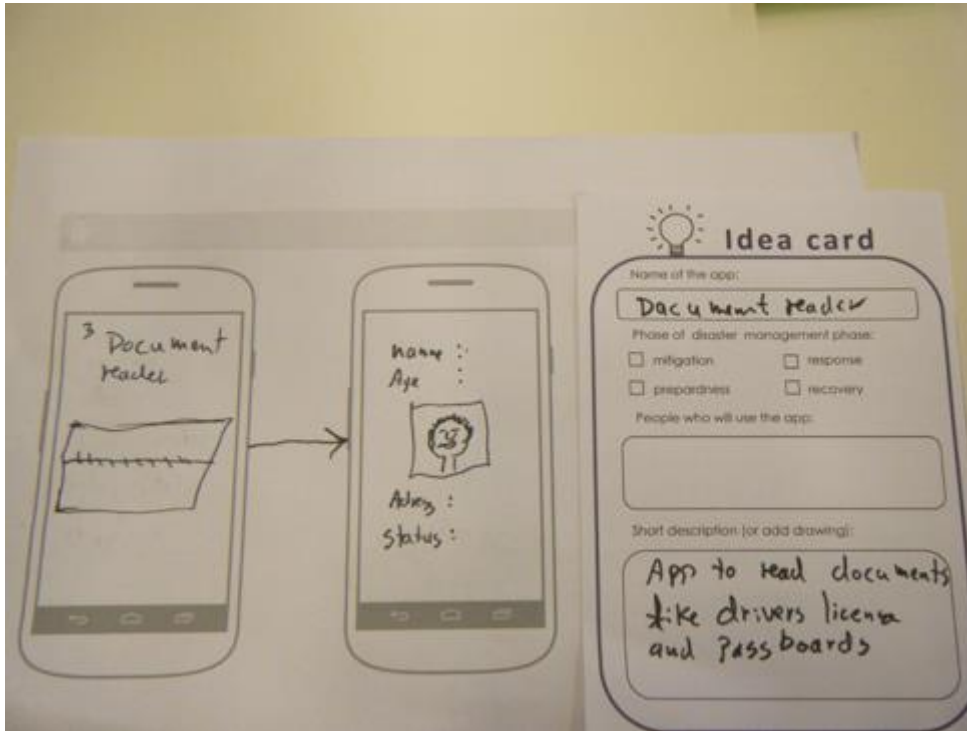
Mobile field office app

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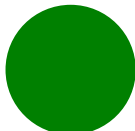
Finger print reader app

Face recognition app

© PSCE 2015

Tor Helland & Manfred Blaha
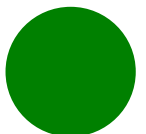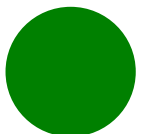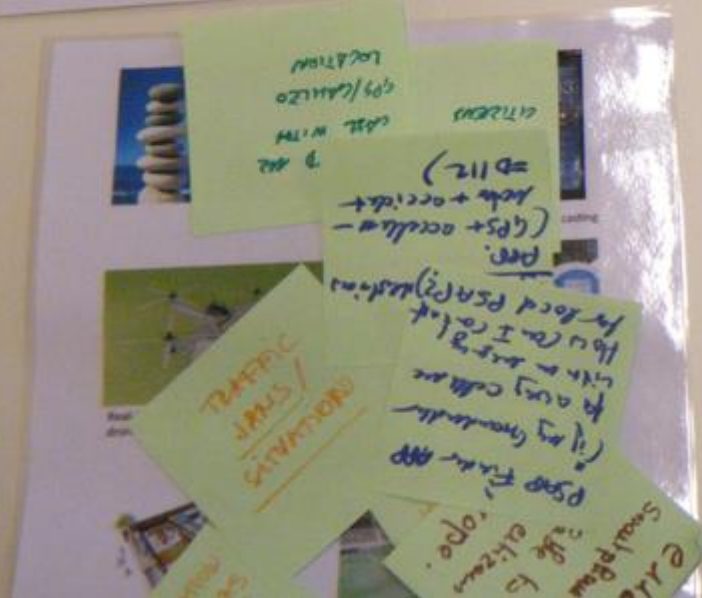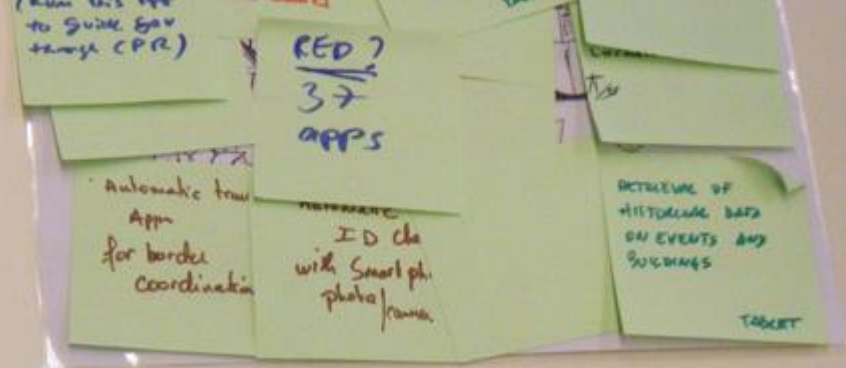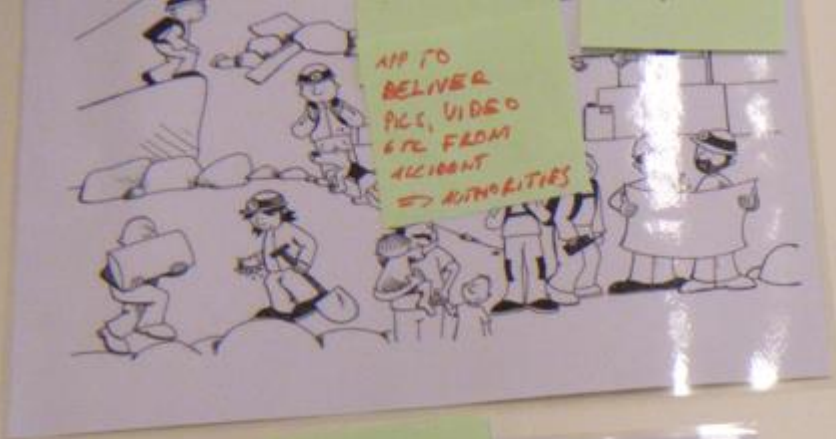
Kari Juntilla
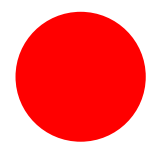
- **Coffee and Collaboration**

  Realising Critical Broadband Apps
  ?????

What information does this app use, gather or produce?

Where is the information sourced?

What type of device will this app run on?

Is the information freely available, or obtained commercially?

Is the app sensitive to:

Latency

Available bandwidth

Data transfer set up time

Etc.

Is the information used sensitive or classified?

Who should approve this app, and using what criteria?

- No approval needed
- Approval of
    - Accuracy of information
    - Timeliness of information
    - User Interaction
    - Other Aspects

Does the app require low, medium or high levels of information processing?

Realisation

Can you anticipate barriers to adoption of this app?

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Are their innovation gaps to impede availability
of this app? Does it already exist?

The results

!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!

(brackets are app id's)

Original Number of Apps

in Paris - 50

Refined Number of Apps

in Graz- 36

Key Common Topics

7

Key Common Topics

- App Store

- Mobile Field Office

- Mission and GIS Apps

- Citizen Engagement

- Equipment Monitoring

- Infrastructure Interfacing

- E-Training

- Key actors represented
  - Police, Fire, Medical, Mountain Rescue, Citizen

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  - Police, Fire, Medical, Mountain Rescue, Citizen

- Mostly representing the response phase,
  - less so - prep and recovery

- App Store (1)
  - Apple Store, Google Play
    - Could/Would they deliver
    - Responsibility, Assurance
    - Approvals
      - Internal
      - External
  - Guidance on the most appropriate app to use

- Mobile Field Office (27)
  - Document Reader (21)
  - Procedure Handbook (36)

- Mission & GIS Apps (12, 19, 28, 29)
  - Accident Maps (4)
    - Preparation
  - Physical (Building and Terrain) Maps/Plans (5)
  - Crowd Movement (3)
  - Crime Density (9)
  - Historical Density of Fire (15)
  - Mountain App (17)
    - Localisation of Victims
    - Weather
    - Avalanche Forecast
    - Rescue info
  - Medical Response (11)
    - E-Triage (2,25,34)
    - Where is the response (31). Availability of resources (skilled personnel , etc).
    - Patient medical data telemetry, Health Stat Monitor (16)
    - Video streaming – ambulance head up display, traffic cameras
    - Traffic for transport routes

- Citizen Engagement (7)
  - B-Awareness (18)
    - bystander data collection from incident
    - Situation alerts to citizen
  - B-Prepared (24)
  - Reassure Beloved (20)
  - Panic Button (22)
  - Situation App for Citizen (23)
  - Nearest Public Shelter (33)
  - Crisis Data (13)

- Equipment Monitoring
  - BA-T2 Whistle (8)
  - Vehicle Incident Telematics (26)
  - Gun app (32)

- Infrastructure Interfacing (Smart Cities)
  - Traffic Light control (10)

- E-training (30)
  - Standard Ops, illustrative examples
  - Reflective scenarios

Graz Analysis

- Sensitive total – 21 say yes (at some stage)
- Some apps mixed, **different information has different requirements**
    - E-triage (2,25,34)
    - Crowd Movement (3)
    - Accident map (4)
    - Map App (5)
    - App Siren (6)
    - Citizen engagement (7)
    - Historical Crime Density (9)
    - Traffic Light App (10)
    - Med app (11)
    - Awareness App (12,19)
    - Historical Density of Fire (15)
    - Health Stat Monitor (16)
    - Mountain App (17)
    - Where is the response, Situation awareness (19,31) – availability of resources
    - Document Reader App (21) – depends on type of doc
    - Procedure Handbook (36)

- Not sensitive
    - Those related to preparedness, (or those considered not necessarily interesting to others)

Graz Analysis

- ## High bandwidth
  - Crowd Movement (3)
  - Med app (11)
  - Awareness App (12)
  - Crisis Data (13)
  - My Personal Evacuator (14)
  - Historical density of Fire (15)
  - Document Reader App (21) – depends on type of doc

Graz Analysis

- Low bandwith
  - E-triage (2,34)
  - Health Stat Monitor (16)
  - B-prepared (24)
  - Where is the response (31)
  - Nearest Public Shelter (33)

Graz Analysis

- Timeliness
  - E-triage (2,25,34)
  - App-siren (6)
  - Citizen Engagement (7)
  - Traffic Light app (10)
  - Med App (11)
  - Awareness App (12)
  - Crisis Data (13)
  - My Personal Evacuator (14)
  - Reassure Beloved (20)
  - Situation App for Citizen (23)
  - Where is the response (31)

Graz Analysis

- Barriers to Adoption
  - Sensitivity
  - Data Protection
  - Ownership/Cost of information (Satcom)
  - Interoperability between blue light
  - Citizen adoption – citizen apps
  - Rich sources of data
  - Lack of widespread adoption of wearable's (Health stat monitoring)
  - Driver distraction
  - User acceptance – preference for printed maps
  - No high level of Thematic accuracy

- Innovation gaps
  - Some apps exist and already available
  - Bandwidth
  - Shifting apps in control room to mobile
  - Civil Protection and Security Organisations don't want to share information

Graz Analysis

- Devices
  - Smartphones
  - Tablets (mobile and vehicle mounted)
  - Wearables (health stat and e-triage)
  - COTS, hand held device
  - TETRA quoted twice

Graz Analysis

- Information sources
  - Existing databases
  - INSPIRE data
  - Earth Observations
  - Drones
  - Equipment (BA-T2)
  - Citizens
  - Medical devices
  - Wearables

- A good representation of views of the community
  - End Users
  - Industry
  - Research

Other organisations are doing this

Lets join forces next year

Future coffee and collaboration

- Brussels, May '16
  - ????

- Athens, Nov '16
  - ????

Small groups 4-5

Don't let anyone hide

8 New Q's

- What would your 4G device look like?

- What happens when the technology doesn't work and lets you down?

- What would you anticipate would cause the new broadband technology to fail?

- Do you have any concerns surrounding the increased volume of information?

- How often will we need to use this technology in a cross border situation and in our daily business?

- What challenges do you expect with regard to interoperability?

- Following the prospect of 5G, do you think the PPDR community should play an active role in driving the 5G agenda?

- Are there any other burning areas or topics that PSCE should help you to learn about, or develop a consolidated view on, in the coming year?

Fill a Post-it, and post-it

Thank you !

Thanks for Listening

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