Firepoint: Application for Identified Fires Notification

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Problem

The problem of fires is actual all over the world. Forest fires are on the list of global natural disasters, causing enormous damage to the environment every year.

2 years ago natural fires in Russia killed 53 people, destroyed over 1200 of houses. Burnt area was over 500 000 ha. Some people had no actual information about smoke area and fires.
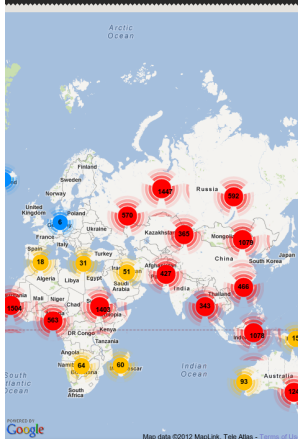
Idea: map

- Show map with points of fire activity (fire points)

- Location detection

- Notify if there is a fire near user

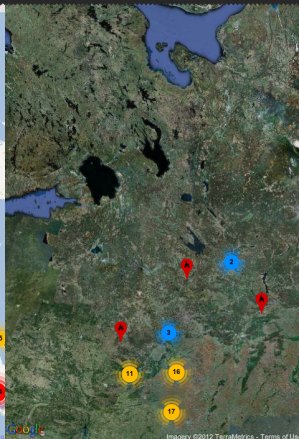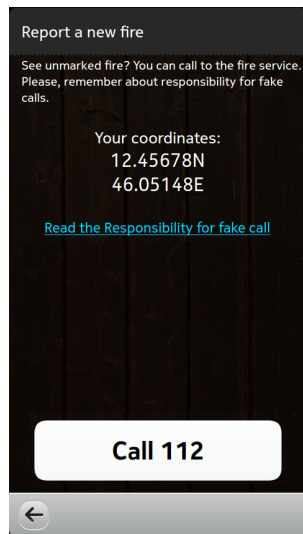- Clasterize: combine the nearest points into one big group
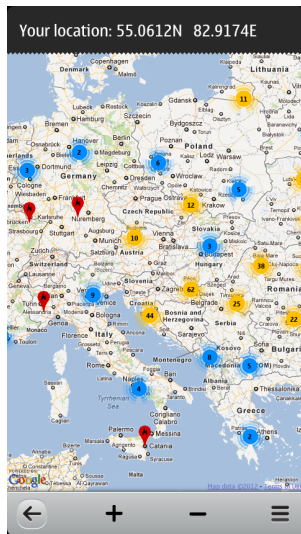
Idea: map

Idea: comics + report a fire

- Teach how not to cause a fire

- Teach what to do in case of fire

- Call 112 and report a new unmarked fire

Use cases

- Tourists

- Hunters

- Mushroom and berry pickers

- Firefighters

Report a new fire

See unmarked fire? You can call to the fire service. Please, remember about responsibility for fake calls.

Your coordinates:
12.45678N
46.05148E

Read the Responsibility for fake call

Call 112

Architecture
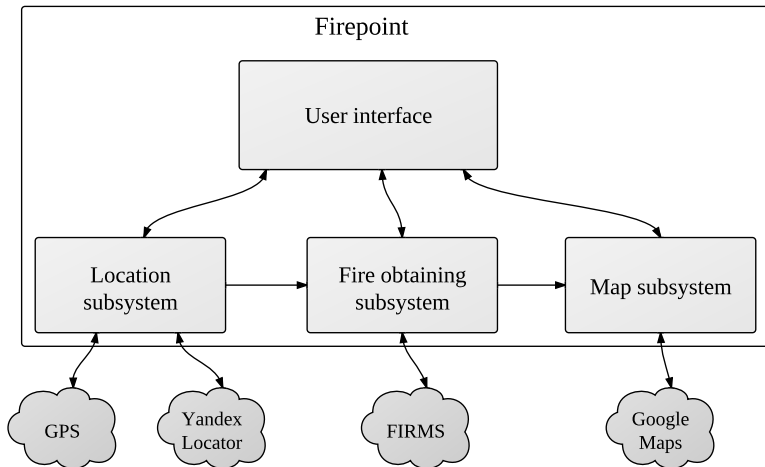
Implementation

Third-party services:

- Google Maps - map provider (satellite, hybrid, regular)
- Yandex.Locator - location determination over mobile network
- The Fire Information for Resource Management System (FIRMS) - fire activity data

Programming languages: C++ with Qt (logic), QML (UI), JS (map, clusterization)

Current status

- Finished coding

- Finished testing

- Publishing in progress

- Feature request: show fire info when clicked on the fire point

Plans

- Make available for Symbian (not only Harmattan)
- Bring new functionality: mark different type of points: illegal logging, illegal carwash, illegal landfills

Source code: bzr branch lp:firepoint

Project hosting: http://launchpad.net/firepoint

Promo-site: http://oss.fruct.org/projects/firepoint/

Thank you for attention!