



**An enhanced open city data  
platform with crowd sourcing**

**CERC**

# Workshop Goals

- Demonstrate prototype data platform
- Demonstrate prototype apps
- Present plans for Phase 2
- Obtain city feedback

# Agenda

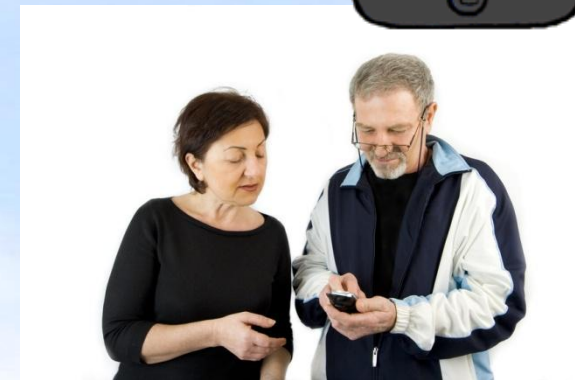
- Introduction: TSB Future Cities Data challenge Phase 1 and 2
- Data Platform: QCumber Smart City
- Apps and services
- Plans for Phase 2
- Questions & Discussion
- Lunch

# TSB Future Cities Data Challenge

- TSB are sponsoring an SBRI Future Cities competition in 3 areas: energy, data, transport
- **Data challenge:** Develop a city management platform to connect the city's disparate datasets and data sources, using a non-proprietary, generic and open API
- 5 cities from the “Future City Demonstrator” competition linked to the data challenge – Belfast, Birmingham, Cambridge, Ipswich and London
- Phase 1: Feasibility study
- Phase 2: Implementation

# Proposition - QCumber Smart City

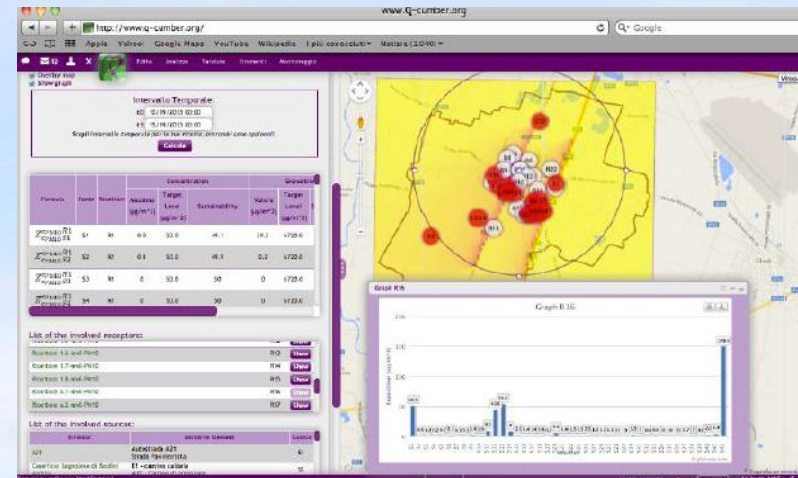
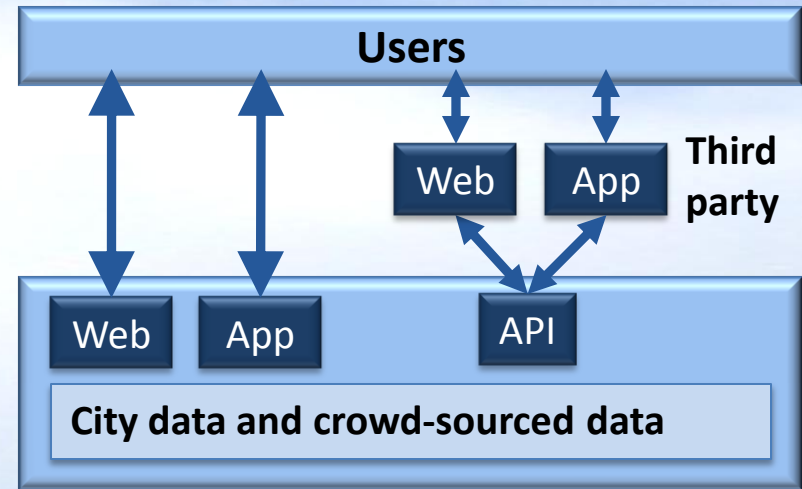
- Enhanced data platform
- Website and phone app
- Interactive map visualisation using Google Maps
- Crowd sourcing - the public can add and edit data
- Social media features (QPosts) enable communication and participation





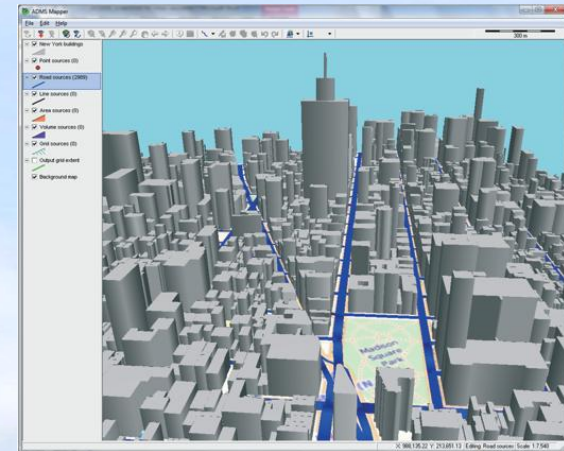
# Proposition - QCumber Smart City

- Open APIs support direct access to data for third-party apps, websites and smart devices
- For example, decision support systems for environmental incident response



# Our team

- CERC and Algebra are SMES with wide experience working with local authorities in the UK and internationally
- IT expertise
- Data interpretation, analysis, and scientific modelling
- Presenting and visualising data



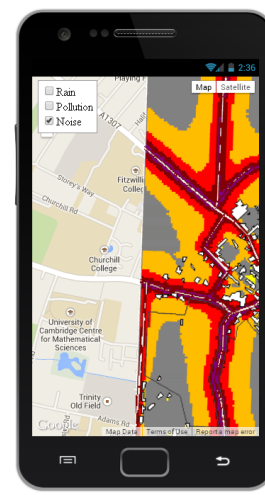
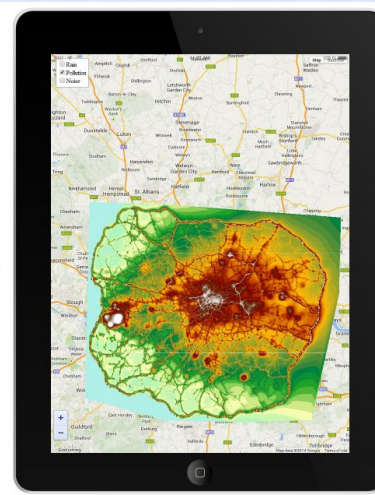
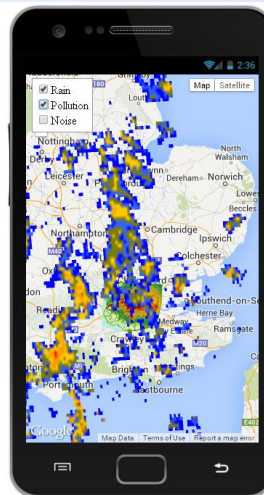
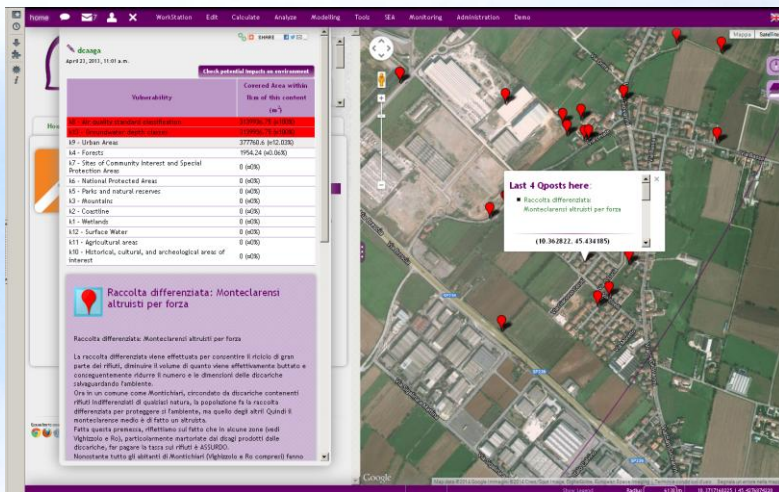
# Phase 1

- Obtain data and ideas from test-bed cities
- Develop prototype data platforms for selected cities
- Develop prototype apps to illustrate potential of data platform
- Develop plan for Phase 2
- Submit feasibility report to TSB



# Phase 2

- Implement data platform for test-bed city using real city data
- Develop apps and services using data platform



# Role of test-bed cities

- Cities have provided data and ideas for Phase 1
- We would appreciate feedback on work so far
- We would like to work with test-bed city for Phase 2 to
  - Implement data platform using real city data
  - Develop apps and services for city



# Project Plan

Date	What
13 Nov 2013	Kick-off workshop
Dec 2013	City feedback and datasets
Feb 2014	Workshop to demonstrate prototypes to cities
31 Mar 2014	Final feasibility report
7 June 2014	Submit Phase 2 proposal
From Sep 2014	Phase 2: Develop and deploy platform for a 'test-bed' city, with associated apps and services