

Tools for Smart Cities

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City Service Development Kit



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Defining the “Smart City”

- The city as an “organism” not a “machine”
- Not an “endpoint” for cities but an aspiration
- Build on a city’s strengths
- About people, data and organisation as well as infrastructure
- Helping us “channel shift” to digital/mobile



Why we need tools...

- Develop beyond city “pilots”
- Tools are interoperable and provide different parts of our smart city jigsaw
- How to move beyond specialist interests/languages to engage with planners, architects, policy makers etc.
- Unlock the innovation potential of the city



European Dimension

- European collaboration gave us opportunities to work with Future Internet, Living Lab and Smart Cities communities (www.fireball4smartcities.eu)
- Finding better ways to unlock city potential
- Working with universities, business, innovators



Local Digital Agenda

- Different sectors have their own priorities
- Can we find mechanisms where they might work together?
- Once a local innovation partnership is established for a project why not continue working together
- ...and develop tools to help us



What Kind of Tools

- Tools: e.g. APIs, www.citysdk.eu/developers, templates, <http://www.citadelonthemove.eu/>
- Methodologies, frameworks e.g. smart city roadmaps www.ireenproject.eu
- Policies e.g. Green Digital Charter <http://www.greendigitalcharter.eu/>
- Networks e.g. www.openlivinglabs.eu



The City as Motherboard

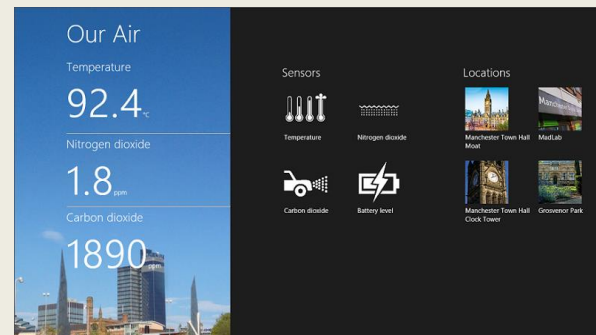
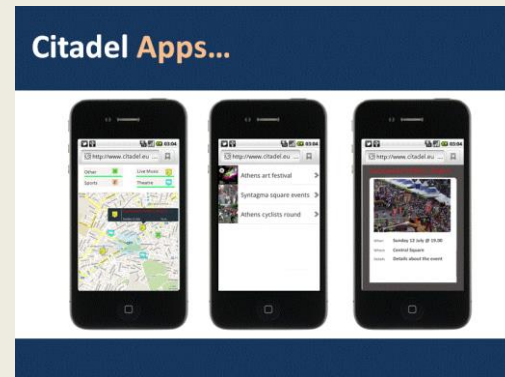
Plugins



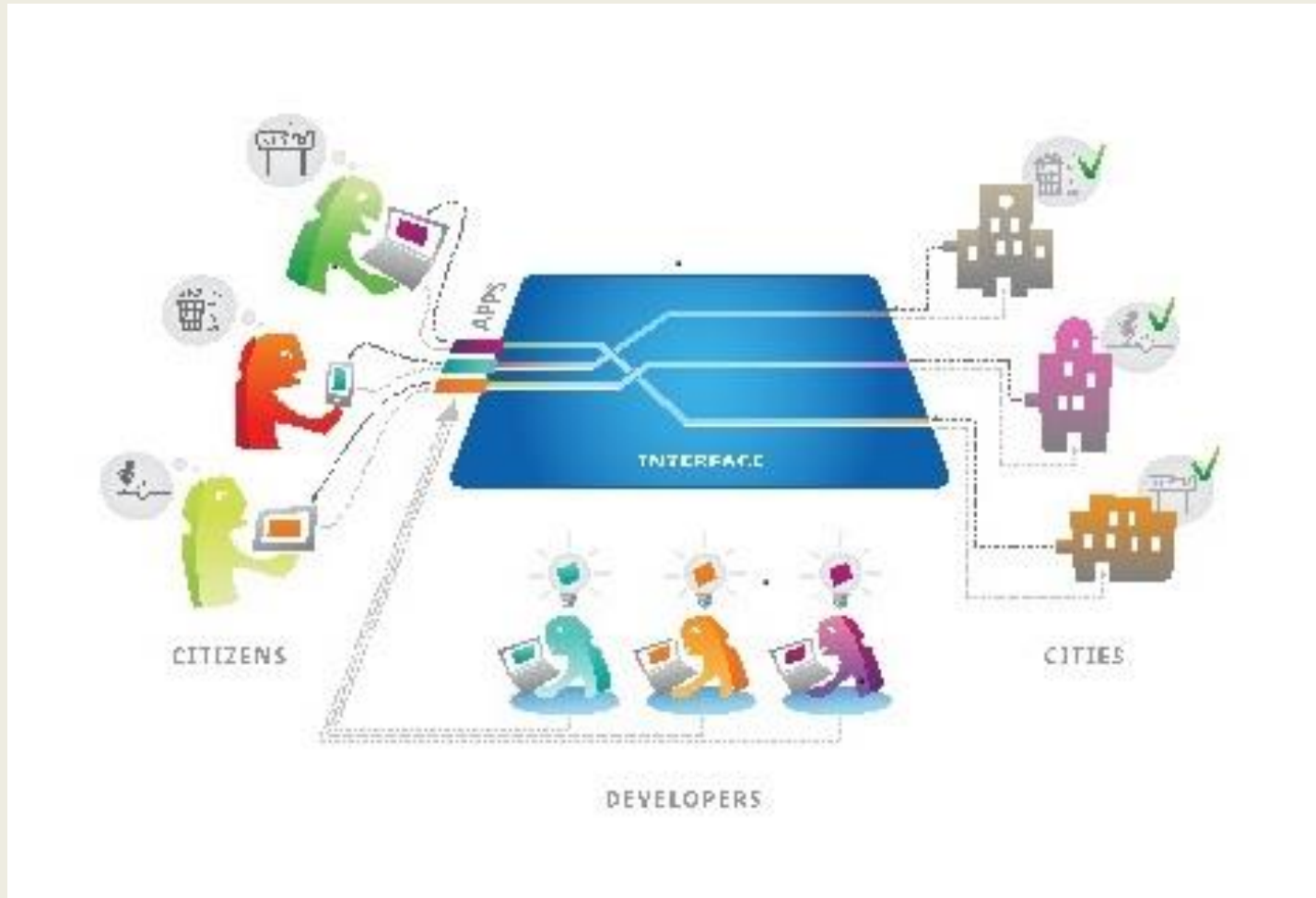
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Peripherals



Connecting Up



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We Need Better Plug ins

Liikennemerkki vinossa

12.3.2012

Tila: korjattu

Suosittele 👍 Ole kaveristasi ensimmäinen, joka suosittelee tätä.



Suositelmamekkinä vinossa

ilmoita fiksattava kohde

MANCHESTER CITY COUNCIL

Accessibility Sign in Register Search (e.g. Council Tax) 🔍

Home / Your neighbourhood

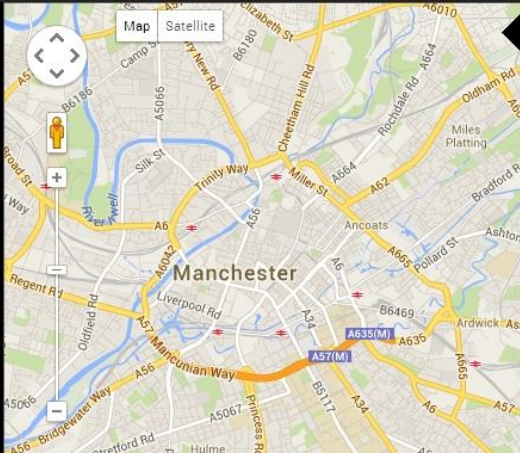
Your neighbourhood

Select where you are from the list

- Didsbury
- Didsbury East 1
- Didsbury St. Ja
- Didsbury West
- Didsbury Park

Go

Use your current location.



Find your nearest...

- Schools and colleges
- Health services
- Leisure, parks and markets
- Libraries and computers
- Recycling points
- Work clubs and benefits
- Parking and road services
- Wedding venues
- Cemeteries and crematoria
- Planning applications
- Local political boundaries

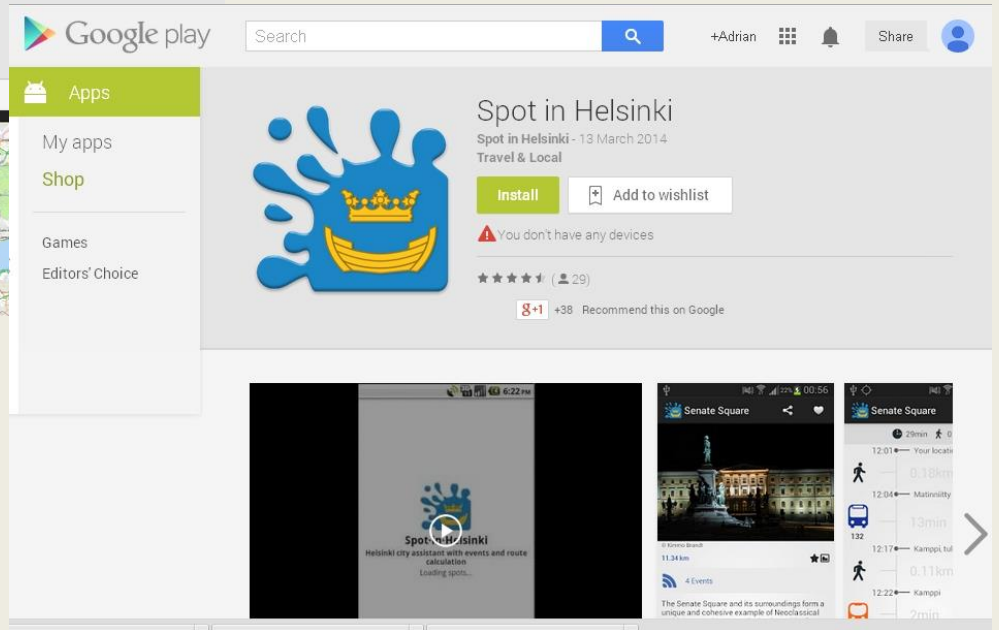
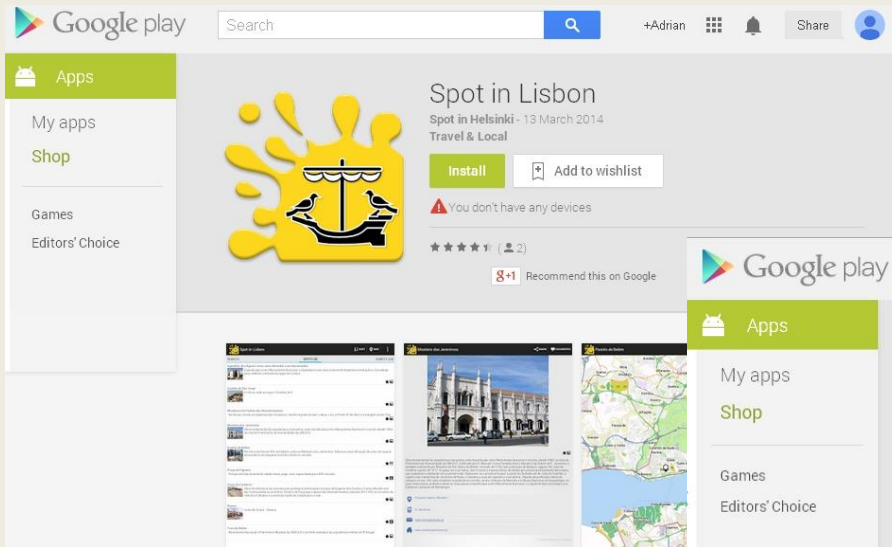


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Compatible Peripherals



What Cities Can Provide

Cities need to be involved

Citadel Hub Create your app beta Log out

You have to login before creating an app!

* required field.

Select cities: *

- Aberdeen
- Athens
- Cape Town
- Cologne
- County of Warwickshire
- Ghent
- Holyoke, Massachusetts
- Issy
- Lisbon

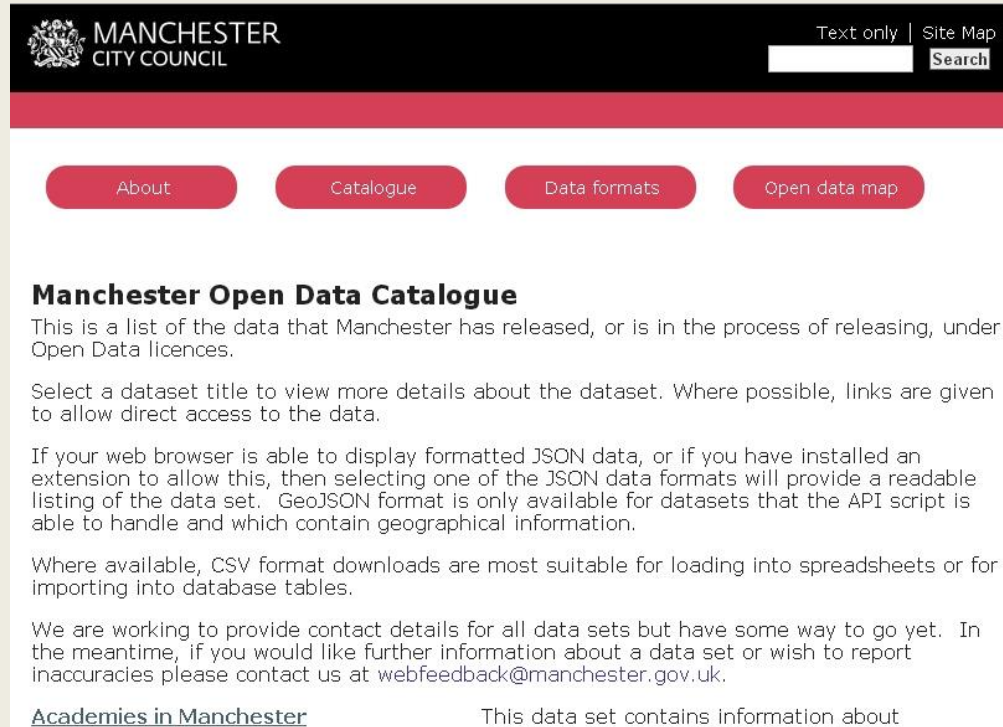


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What Cities Can Provide

Providing Access to Data



The screenshot shows the Manchester City Council Open Data Catalogue website. At the top, there is a black header with the Manchester City Council logo and name on the left, and navigation links for 'Text only' and 'Site Map' on the right. Below the header is a red horizontal bar. Underneath, there are four red buttons: 'About', 'Catalogue', 'Data formats', and 'Open data map'. The main content area has a white background and features the title 'Manchester Open Data Catalogue' in bold. Below the title, there is a paragraph explaining that the site lists data released or being released under Open Data licences. It then provides instructions on how to select a dataset title to view more details, including links to direct access. Further down, it explains that JSON data can be displayed in a readable format, and GeoJSON is available for geographical data. It also mentions that CSV format downloads are suitable for spreadsheets and databases. Finally, it states that contact details are being worked on and provides an email address for reporting inaccuracies. At the bottom, there is a link to 'Academies in Manchester' and a note that the data set contains information about



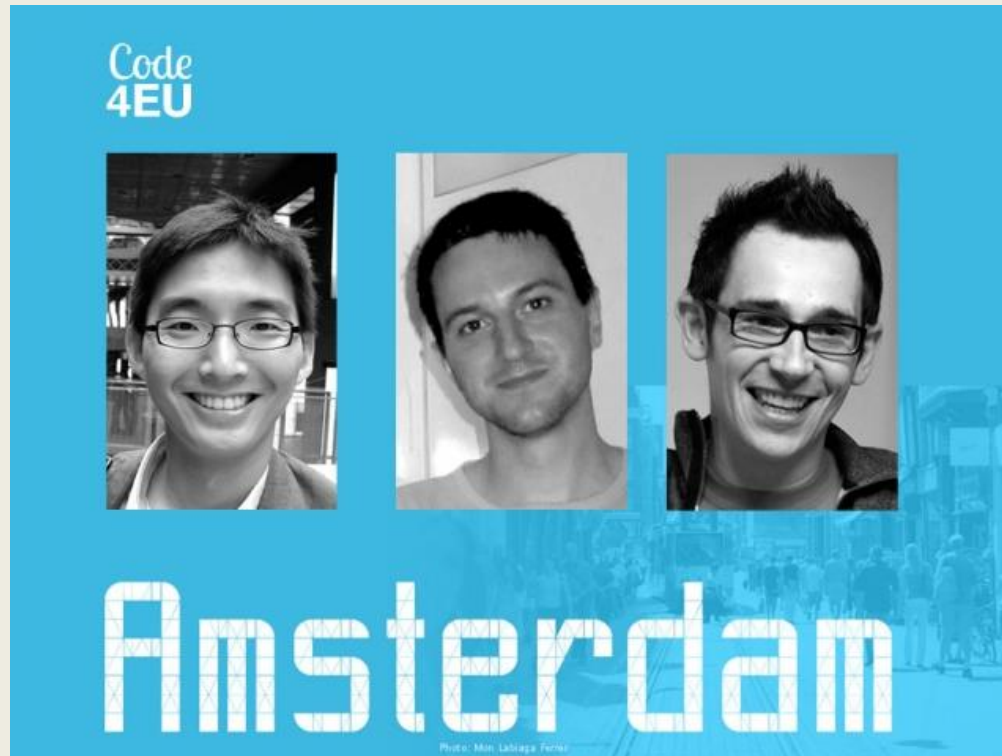
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What Cities Need

Skills and Expertise



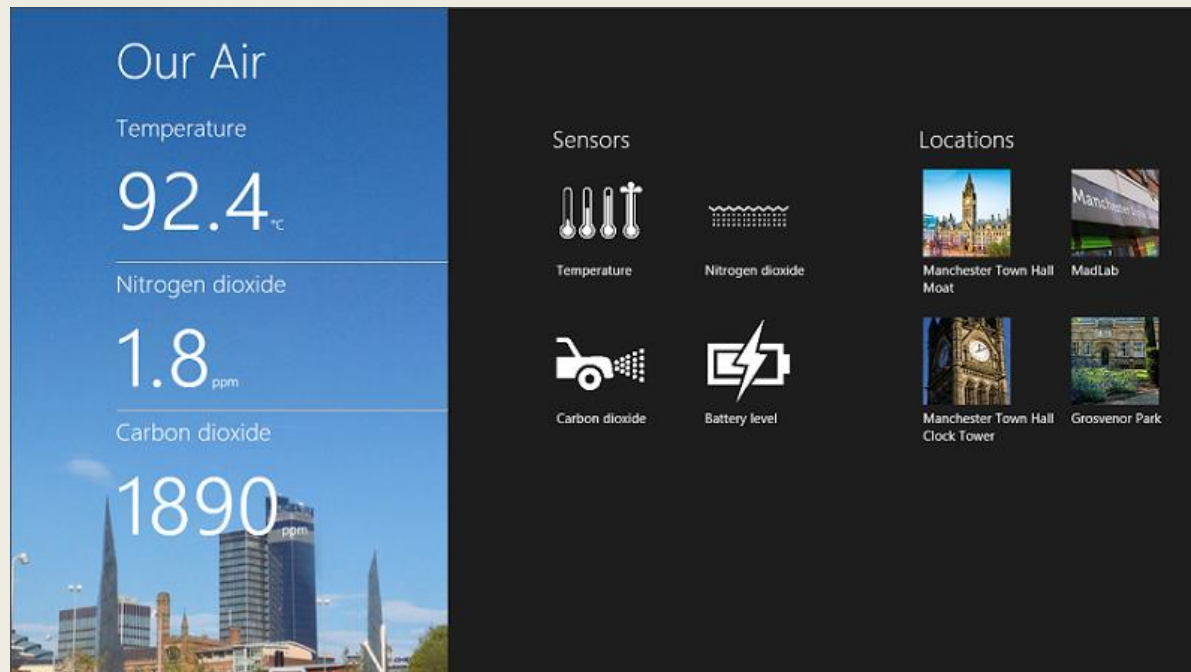
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What Cities Need

New Ideas and Applications



How to Innovate

- Systems integrators: can provide scale, but not agile,
- Cities: can provide direction and scale but may be risk adverse, have long term contracts etc.their business case may not be ours
- Universities: closer links with city needs, how to impact on the smart city rather than just measure or reflect on it
- SMEs/innovators: agile but can't scale



How to innovate

- Where is the innovation “sweet spot”?
- When is the right time and what is the right project on which to collaborate
- Converting our policy makers “one mind at a time”
- Can we make the city a client of the innovation community rather than just commissioning services?



Final Thoughts

- No magic bullet for a “smart city”
- Development of tools, policies, networks that can enhance our capacity
- Unlocking the R&D potential of the smart city – our local R&D cluster – what does it look like?
- Think about “gross INNOVATION added” rather than “gross value added”



And why do it?

- European cities are a growing marketplace
- The interoperable city will enable us to develop economic growth
- Its not about technology
- Need to develop our innovation capacity
- Smart city is not an “endpoint” but will come into focus the more we harness best practice



Thanks

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