Smart Cities, Smart Systems, Smart Citizens
Open Innovation, Smart Policy Making & Co-production

Dave Carter, Head, Manchester Digital Development Agency (MDDA)
City of Manchester (UK)
Chair, EUROCITIES KSF Smart Cities Working Group
Chair, European Connected Smart Cities Network
Policy drivers:

Smart City Agendas

- Smart, inclusive & sustainable growth
- Green & Digital
- Transformational services
- Open innovation, open data, open networks
- Living Labs – open innovation test-beds
- Future Internet enabled services in Smart Cities
  - Internet of Things + Cloud + Open Data + 3D printing + nano..........

Digital Agenda for Europe

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“The Battle for Control of Smart Cities”
Transformation needs Vision + Aspiration + Action

original modern industrial cities to creative, innovative diversities ......
Innovation, Creativity and Diversity


• major urban regeneration programmes

• Transformational Infrastructure (mobility, digital, energy)

• User driven open innovation – Living Labs

• Co-creation – co-production
  • innovators, inventors and entrepreneurs
  • building, operating and owning infrastructure
  • user generated content and services
  • generating global skills and jobs locally

• ‘Smart Cities’
CitySDK
Open, interoperable APIs

SDK = **Service** Development Kit
[Software]
Problem: lack of interoperability

Formats and APIs vary between cities
- ‘Open’ interfaces to existing systems are not uniform even within cities
- Documentation is lacking as well

Scaling an app from one city to another = 😞
Solution: CityAPIs

Scaling an app from one city to another = 😊
Smart Mobility – Lead Pilot in Amsterdam
Applications using Mobility API

CitySDK globe: http://dev.citysdk.waag.org/visualisation/

HSL Navigator: https://github.com/HSLdevcom/hsl-navigator

Work in progress: HSL Navigator

The City Navigator prototype using OpenTripPlanner routing recently won in Manchester’s Routes to the Future innovation challenge.

Try in Helsinki  Also in Manchester!  Now in Tampere!

Test in Amsterdam!

(The prototype works best in the Firefox, Chrome, Android and iPhone browsers. Windows Phone 7.8 is unreasonable to support.)

You can leave feedback on HSL's Feedback Forum (in Finnish).
Smart Tourism
Applications using Tourism API

**Spot in Lisbon**: 

**Spot in Helsinki**: 

**POIs and Events in Amsterdam**: 
http://citysdk.dmci.hva.nl/map/

**Lamia Tour Guide**: 
CitySDK coverage

The Lead Pilots are replicated in other CitySDK Partner cities

2012 Preparation stage  01/2013 Lead Pilots  06/2013 Replication Pilots
CitySDK Networking

• Ensuring sustainability of the CitySDK project outcomes
• Extending CitySDK APIs both in domains and geographical coverage
• Developing APIs further
• Dissemination
  – http://www.citysdk.eu/
Taking simple, open-source platforms .....
... and replicating them ......... http://www.lisboaparticipa.pt
Thank You!

d.carter@manchesterdda.com