



Smart Cities and central Government

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Current initiatives

- Smart Cities Forum
- Future Cities Demonstrators
- BSI Smart Cities Standards
- Future Cities Catapult
- Export
- Foresight Future of Cities Project
- European Innovation Partnership commitment
- What next?



Smart Cities Forum

- Chaired jointly by the Minister for Cities and the Minister for Culture and the Digital Economy, managed by the Cities Unit and the Digital Economy Directorate
- Major UK cities: London, Manchester, Birmingham, Bristol, Glasgow, Milton Keynes, Leeds
- Research and Standards organisations: BSI, Imperial, UCL, Research Councils...
- Government: Government Office for Science, Depts for Transport, Local Government, Energy, Health...
- Industry: Siemens, Arup, IBM, Schneider, Balfour Beatty...
- Working groups: Infrastructure Business Models; Export; Health and Social Care; Transport; Data; Energy and Sustainability



Future Cities Demonstrators

- UK-wide competition run by the Government's innovation agency
- 30 cities submitted bids
- Glasgow received the major award
- London, Manchester and Bristol received smaller awards
- Majority of other cities that submitted bids have taken forward part or all of their proposals, even without this funding



British Standards Institute: Smart Cities Standards

- UK has Launched PAS 180 and 181 in March 2014 which are the most advanced and comprehensive standards for Smart Cities available globally
- Covering the vocabulary of Smart Cities and Developing a Smart Cities Strategy
- <http://www.bsigroup.com/en-GB/smart-cities/>
- Now in partnership with...

FUTURE CITIES CATAPULT

A woman in a white long-sleeved top and black skirt is standing in front of a large, curved digital display wall. The wall displays various data visualizations, including a map with pink and yellow lines, a grid with the word 'ALIVE' and a large number '9', and a section with the word 'QUALITY'. The background is dark with a starry pattern, suggesting a futuristic or data-driven environment.

City data stores & large-scale demonstrators

Cities Lab offering data analytics, modelling & visualisation

Cross-disciplinary team with secondees & wider network

WHAT WE CAN OFFER

Act as a trusted
advisor

Create networks and
projects

Bring the best of UK
expertise



FUTURE CITIES STANDARDS INSTITUTE

Developing long term world-leading future cities standards

Partnership between UK Department of Business Innovation & Skills, Future Cities Catapult, Innovate UK & others

Developing 6 Future Cities standards over 3 years

Covering wide breath of standards, from open platforms to governance to data privacy

HOW WE CAN WORK TOGETHER



Work with you to understand standards requirements for your own future cities

Help you understand UK standards landscape to open up this market

Engage national expertise

Draw on internationally recognised UK experience

CONTACT US



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CATAPULT
Future Cities



UK Export potential

- The UK has particular strengths which could account for between 10% and 25% of the total global smart cities market as follows:



- £189 million funding for capital investment in data centres and energy efficient computing
- Open Data Institute – Set up by Sir Tim Berners-Lee & Prof Nigel Shadbolt
- Developing markets in the Internet of Things



UK Government Office for Science: Foresight Future of Cities Project

- Develop an evidence base on the future of cities to a 2065 horizon
- Support futures-based policy-making at local and national levels
- Meetings with 19 UK cities and with Government departments
- Evidence papers, workshops, visioning
- Progress report in winter 2014; Project completion in winter 2015
- www.futureofcities.blog.gov.uk



Commitment within the European Innovation Partnership

- UK, France, Germany, Spain, Netherlands, Austria...
- Commitment to share national approaches, “what works”, and explore channels for sharing best practice
- Building consensus and collaboration in EU policy and mechanisms, eg Horizon 2020
- In the future, potentially joint projects



Future UK policy?

- Mechanisms / governance / tools for driving UK uptake
- How to build technology and strategy skills and capacity in UK cities
- Self-assessment tools for cities
- Creating / identifying channels and networks for sharing best practice between cities, within the UK and internationally
- Learning what citizens want
- Additional international cooperation?