

Manchester

The Smarter City



What is a Smart City?

“A Smart City should enable **every citizen** to engage with all the services on offer, public as well as private, in a way best suited to his or her needs. It brings together hard **infrastructure**, **social capital** including **local skills** and **community** institutions, and **(digital) technologies** to fuel **sustainable economic development** and provide an attractive environment for all.”

(BIS, October 2013)

Manchester

The Smarter City

Smart City Principles

These underlying principles guide our smart city framework

Direct to Citizens

Greater participation, self dependency and engagement.

Infrastructure and Finance

Integrated city systems, fiscally and environmentally sustainable.

Fostering Innovation

Bottom up stimulation, accessing markets, academic/industrial/public.

Barcelona

#infrastructure #sensors #partnerships

Manchester The Smarter City





Introduction

- ▶ [Smart City Innovation Unit](#)
- ▶ [Members and co-operation partners](#)
- ▶ [Benefits to members](#)
- ▶ [Mission and vision, values](#)
- ▶ [How we work](#)

Smart City Innovation Unit

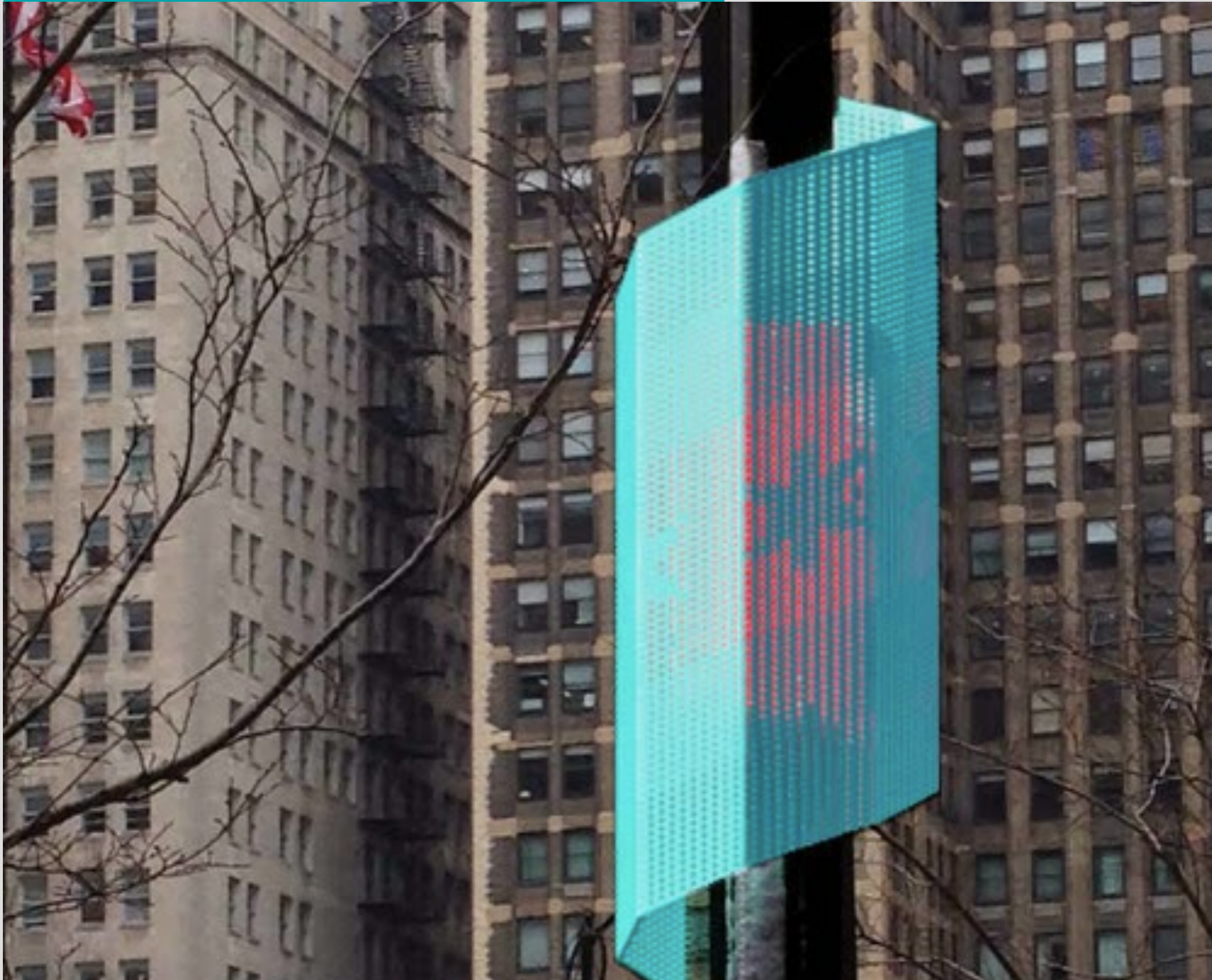
Forum Virium Helsinki: City of Helsinki's Smart City Innovation Unit

Forum Virium Helsinki is an innovation unit within the Helsinki City organization playing a key role in implementing Helsinki's Smart and Open City strategy. The main goal of Forum Virium Helsinki is to develop the essential building blocks for smart, and open cities of the future. Innovation initiatives such as Smart Kalasatama, Helsinki Region Infoshare, Open Ahjo, Helsinki Loves Developers, Apps4Finland,

Chicago

#opendata #predictiveanalytics #bigdata

Manchester
The Smarter City



Melbourne

#governance #innovationprocess #sustainability

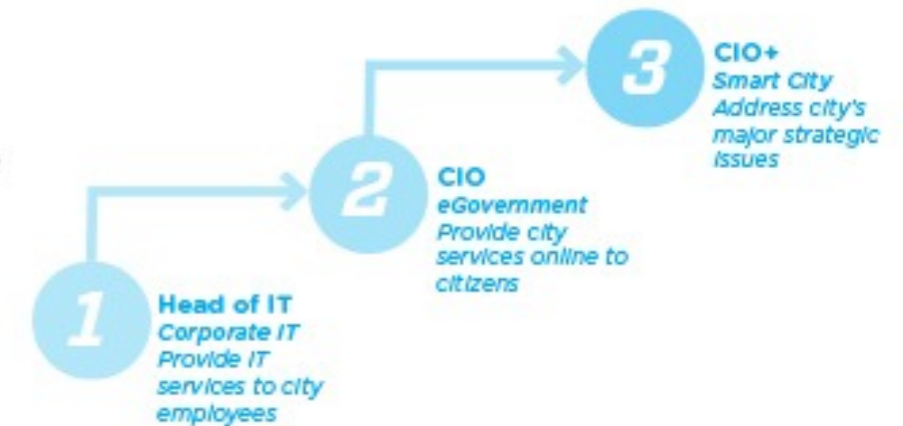
MELBOURNE SMART CITY



PAGE 14

C40 URBANLIFE: MELBOURNE SMART CITY

Is IT too important for the IT department?



TRACING VELIB'

Researcher Fabien Girardin has created a visualisation of daily usage patterns for both the Bicing bike-sharing network in Barcelona, and its equivalent, Velib', in Paris.

Using a technique known as 'scraping', Girardin used the data published on the bike-sharing network websites, indicating the number of bikes left at each hub. He then overlaid a simple Excel-style visualisation over a Google Map of the city, creating an animation of how the bikes move around the city.

In this way, it's easy to see, for example, how the bikes in Barcelona move from the city to the beach and back

this action was in response to severe drought i.e. a clear and present external environmental signal)

Balancing reports of waning public interest in government policies addressing climate change in Australia, the large number of ICT-enabled community-driven initiatives is proof of a strong appetite amongst citizens for their cities, and for forms of urban sustainability.

While many cities have been reluctant to directly address the possibility of sustainability-related behaviour change amongst citizens, perhaps understandably given their history and culture, some cities are beginning to realise that it could significantly contribute to both a more sustainable city and a higher quality of life. London is expecting that 30% of its reduction in carbon emissions will be driven by behavioural change. In Helsinki, the Low2No project explicitly states that 50% of a citizen's carbon footprint concerns lifestyle choices and has launched an informatics-enabled behavioural change workstream accordingly.

engagement via ICT, such that both 'social proof' and the so-called 'network effect' enable a wider, deeper, more meaningful engagement between citizens and their city.

MELBOURNE AS SMART CITY

Melbourne is well-placed to lead terms of developing itself into a 'smart city' for a number of reasons. These include the strength of the city in terms of knowledge industries and a particularly strong higher education sector, a background in technical innovation including industrial design, an emerging new media sector, and a world-renowned focus on urban design and quality of the urban environment.

Building on this, the C40 UrbanLIFE workshop and associated outputs have now demonstrated an approach to developing a Smart City vision and strategy centred on Melbourne, as detailed in this report.

Equally, few cities are yet to demonstrate coherent, holistic thinking about the possibilities of smart cities. Re-

New York

#economicdevelopment

Manchester
The Smarter City

WE ARE MORE THAN

900 LOCAL

TECH STARTUPS,

HIRING FOR OVER

3,000 JOBS

Mike Nolet

Brian O'Kelley

Michael Rubenstein

AppNexus

WE ARE MADE IN NY

To learn more, visit

NYC GOV



Supporting
Innovation in the
Tech Industry in NYC

Michael R. Bloomberg, Mayor



AMSTERDAM INSTITUTE FOR
ADVANCED METROPOLITAN SOLUTIONS

[HOME](#)

[NEWS](#)

[EDUCATION](#)

[INSTITUTE](#)

[PARTNERS](#) ▾

[SOLUTIONS](#) ▾

[CONTACT](#)

CITIES INCREASINGLY FACE CHALLENGES OF SUSTAINABILITY AND QUALITY OF LIFE, CHALLENGES THAT PUT AT RISK RESOURCE AND FOOD SECURITY, MOBILITY AND LOGISTICS, WATER AND WASTE MANAGEMENT, HEALTH AND WELLBEING. CITIES NEED METROPOLITAN SOLUTIONS.

[continue reading +](#)



News

REVIEW AMS LAUNCH CONFERENCE

At 20 June 2014 the official opening of AMS took place. For a compilation of the opening, please have a [...]

[continue reading +](#)



A unique consortium of partners

WE ARE AMS

[learn more +](#)



Education

LEARN MORE

[continue reading +](#)

AMS
PRINCIPAL INVESTIGATORS



[continue reading +](#)

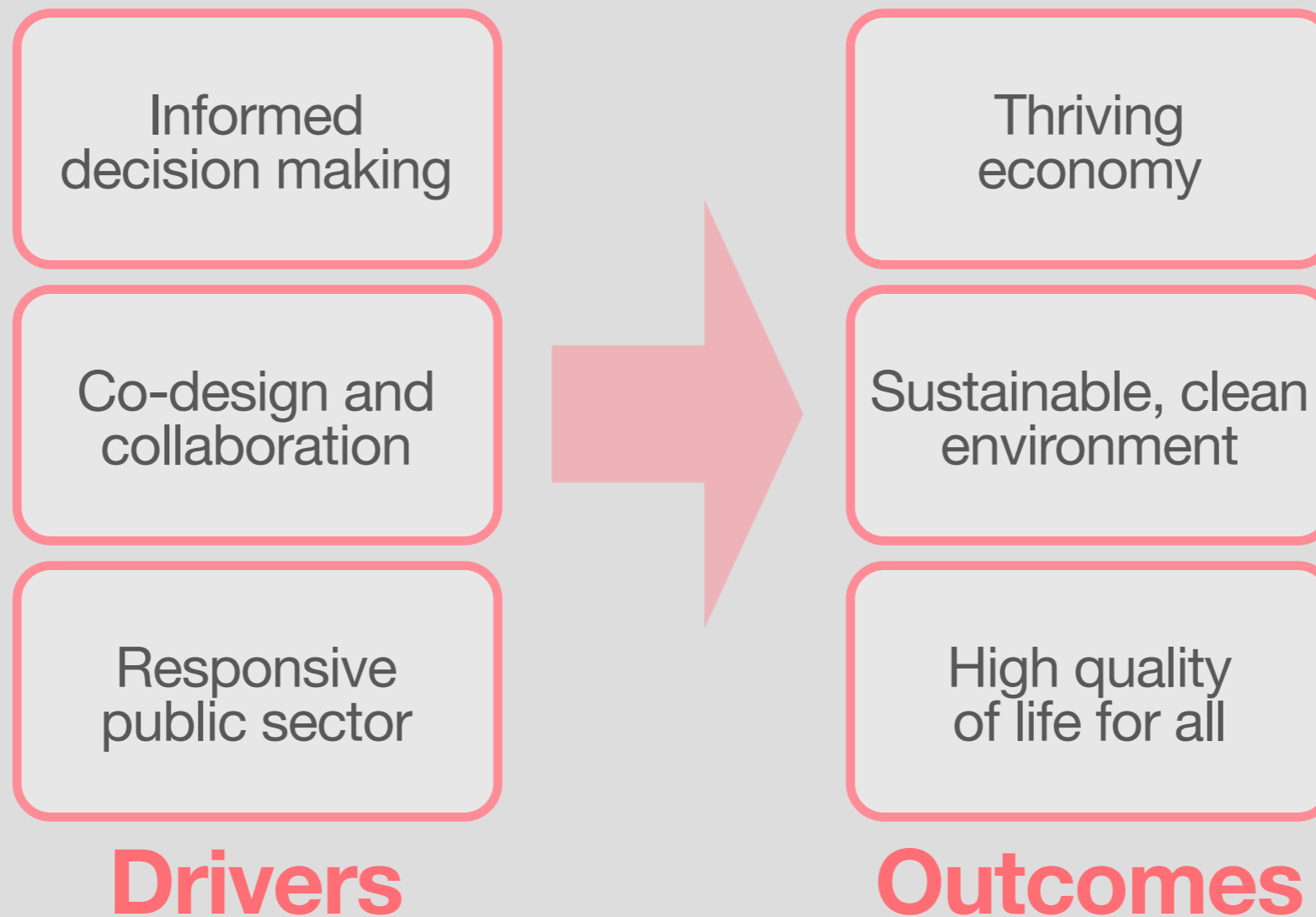


Manchester

The Smarter City

Ambition

By 2025 Manchester will be amongst the top 20 smart cities in the world



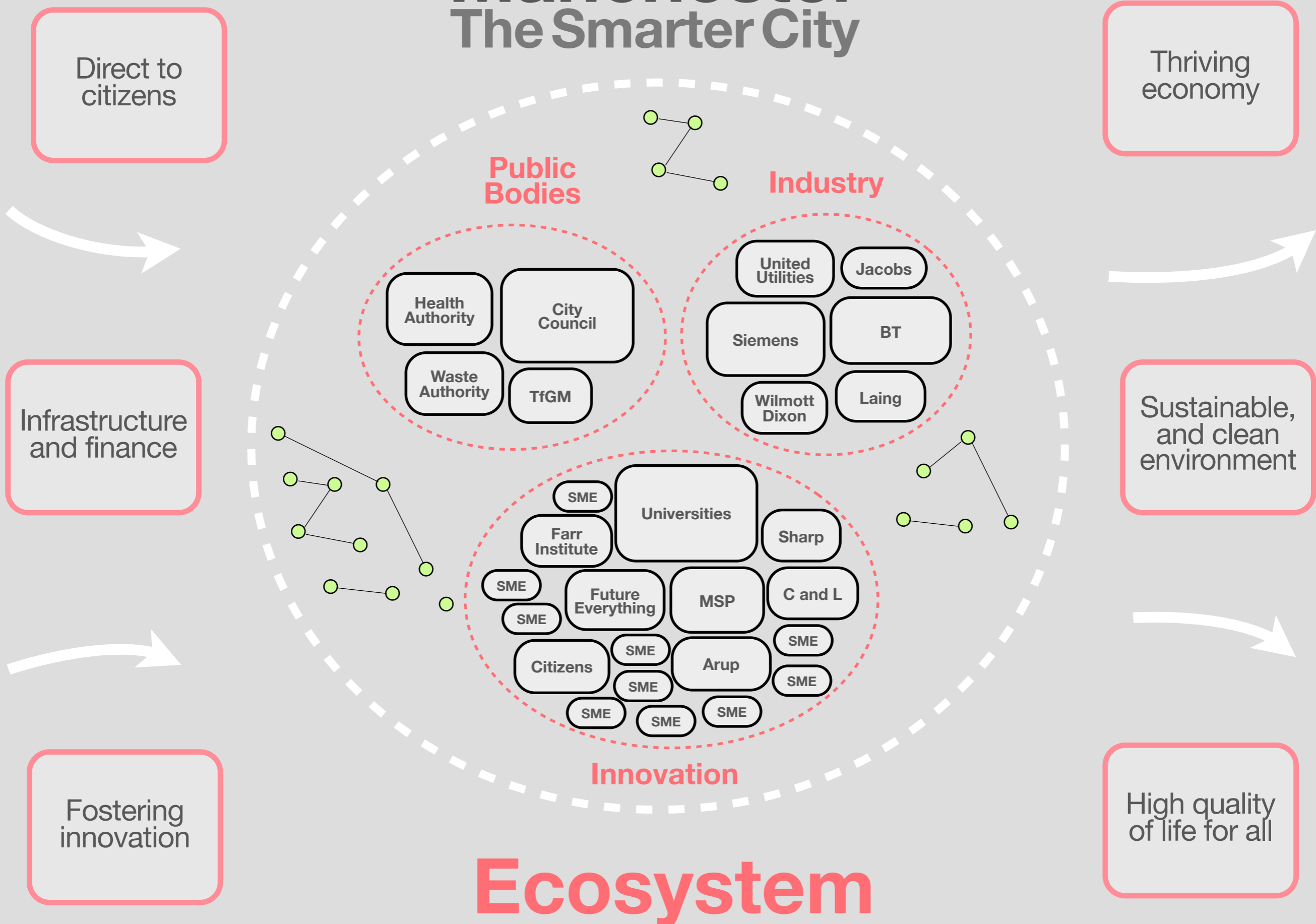
We will use this smart city way of thinking and doing to deliver the three strands of the Manchester Strategy: growth, reform and place.

Manchester

The Smarter City

‘Smart City’ is not an end in itself. By becoming ‘smarter’ we will only have achieved our ambition if it has enabled delivery of the City’s core goals.

Manchester The Smarter City



Manchester The Smarter City



My Get Me There
Integrated, personalised
ticketing system across
the network

Smart Citizen Manchester
(SMARTMCR) - Crowd sensing
platform: measuring air quality



Smart IP: Transforming public
services by empowering citizens
through co-design of new services

Direct to Citizens

Manchester The Smarter City

University of Manchester Smart Energy Grid



Real-time data energy network to: manage energy supply, test new technologies, enable research



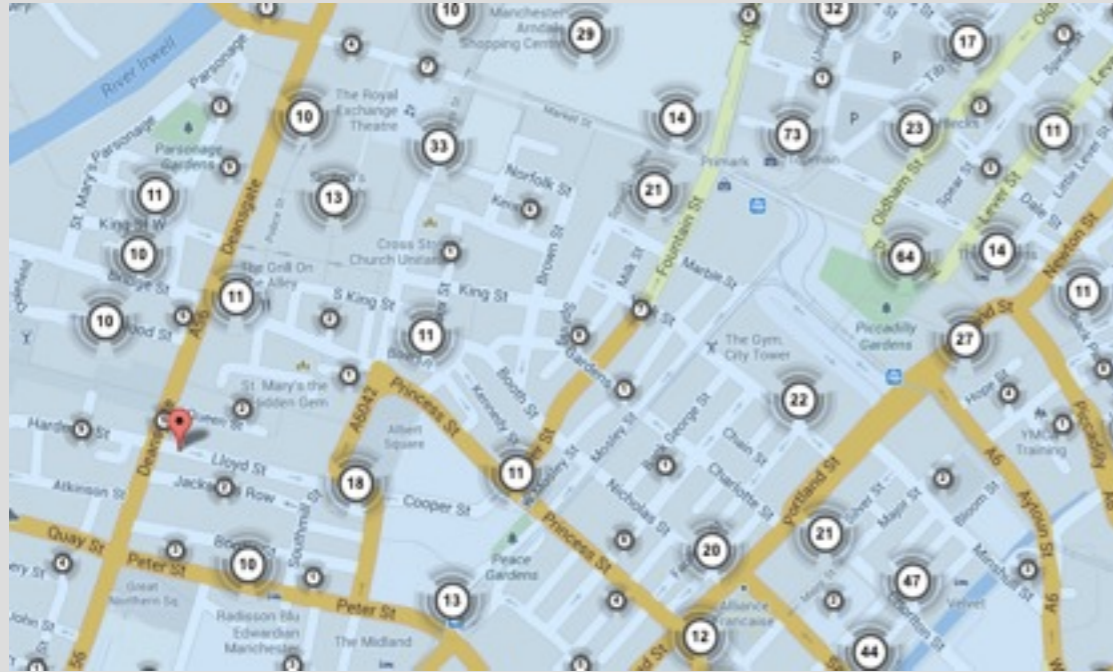
Airport City:
Investment in integrated infrastructure around energy, transport, water and waste to improve competitiveness and efficiency

Corridor Manchester:
Smart grids, heat networks, deep geo-thermal heat and new traffic free routes harnessed to academia



Infrastructure

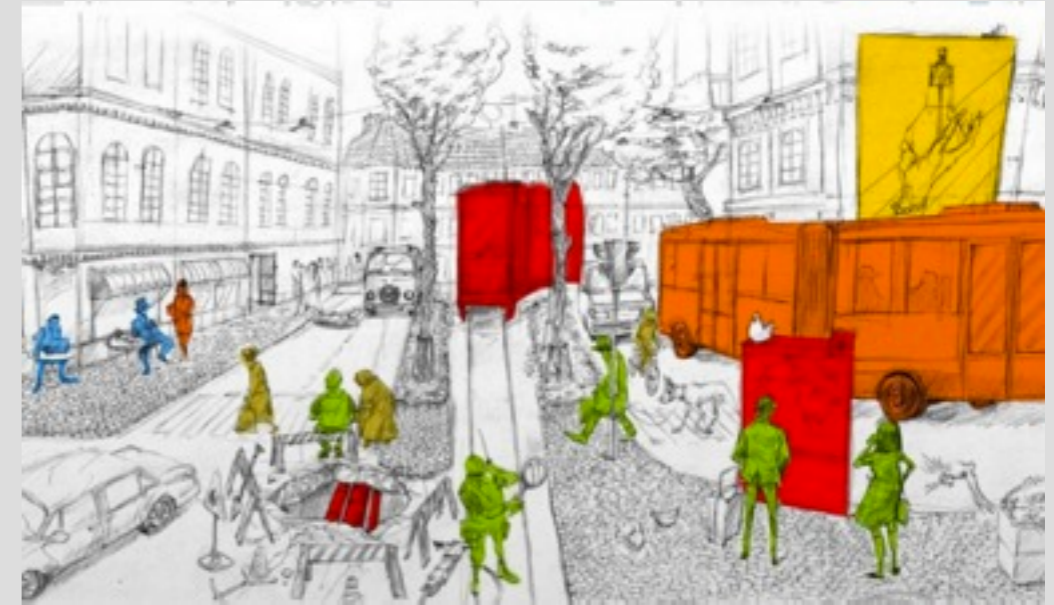
Manchester The Smarter City



Data Synchronisation Programme

Linking public sector data: release open data and unlock its potential; challenge the data community to innovate

City SDK
Development of open interoperable digital services



UK China projects

Policy frameworks and SME smart solutions challenge for market exploitation in China

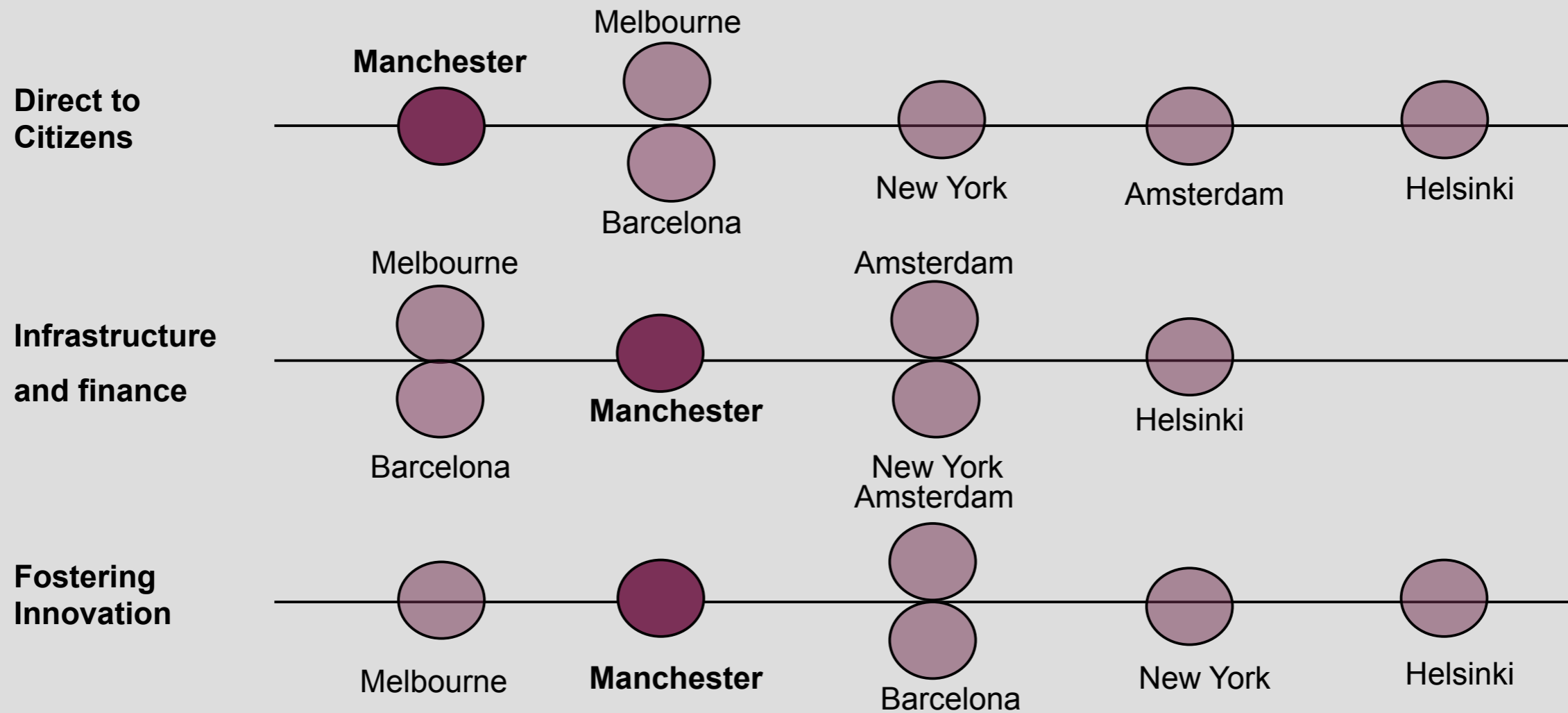


Fostering Innovation

Manchester

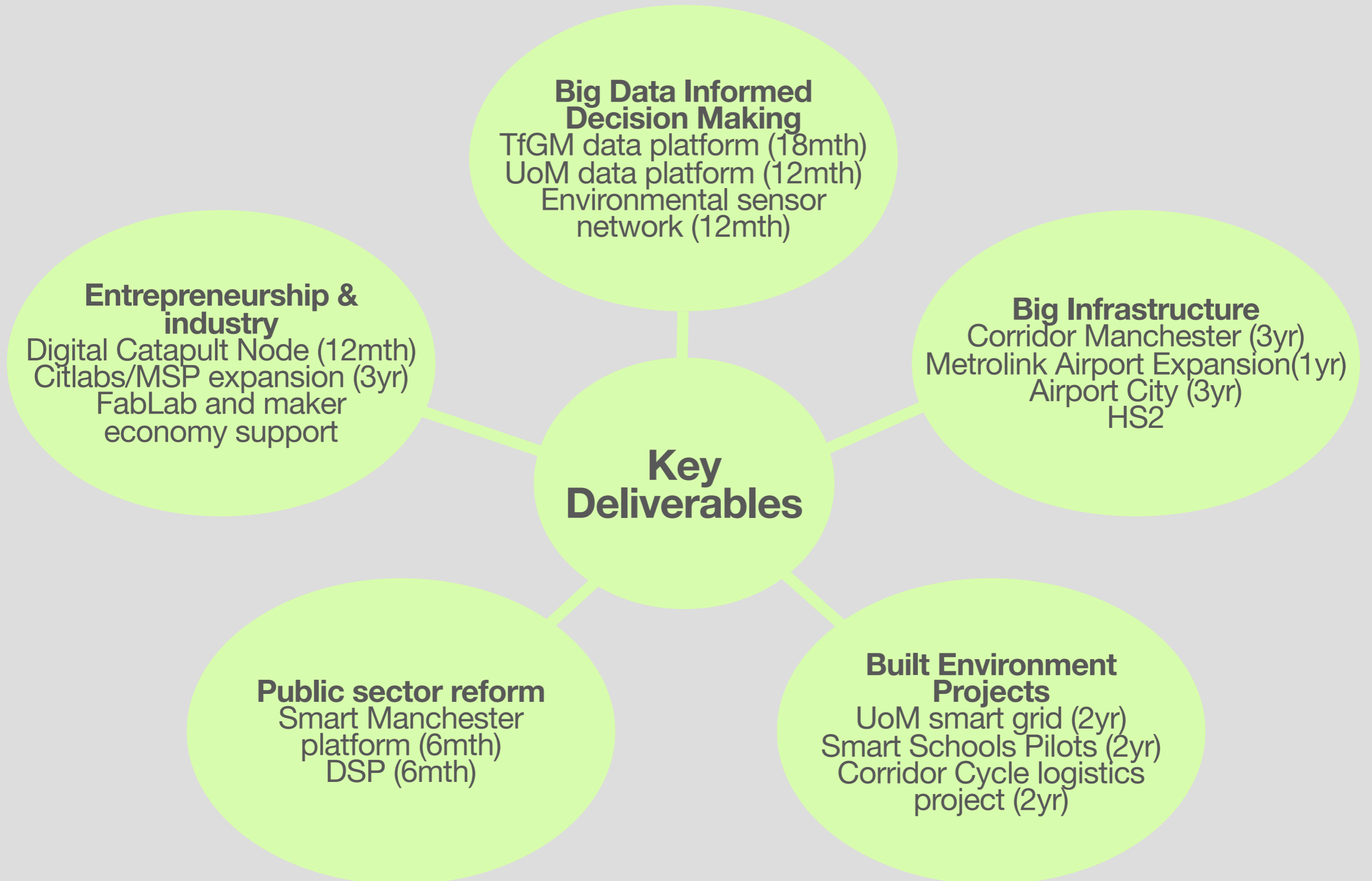
The Smarter City

How we compare 2015.



Manchester

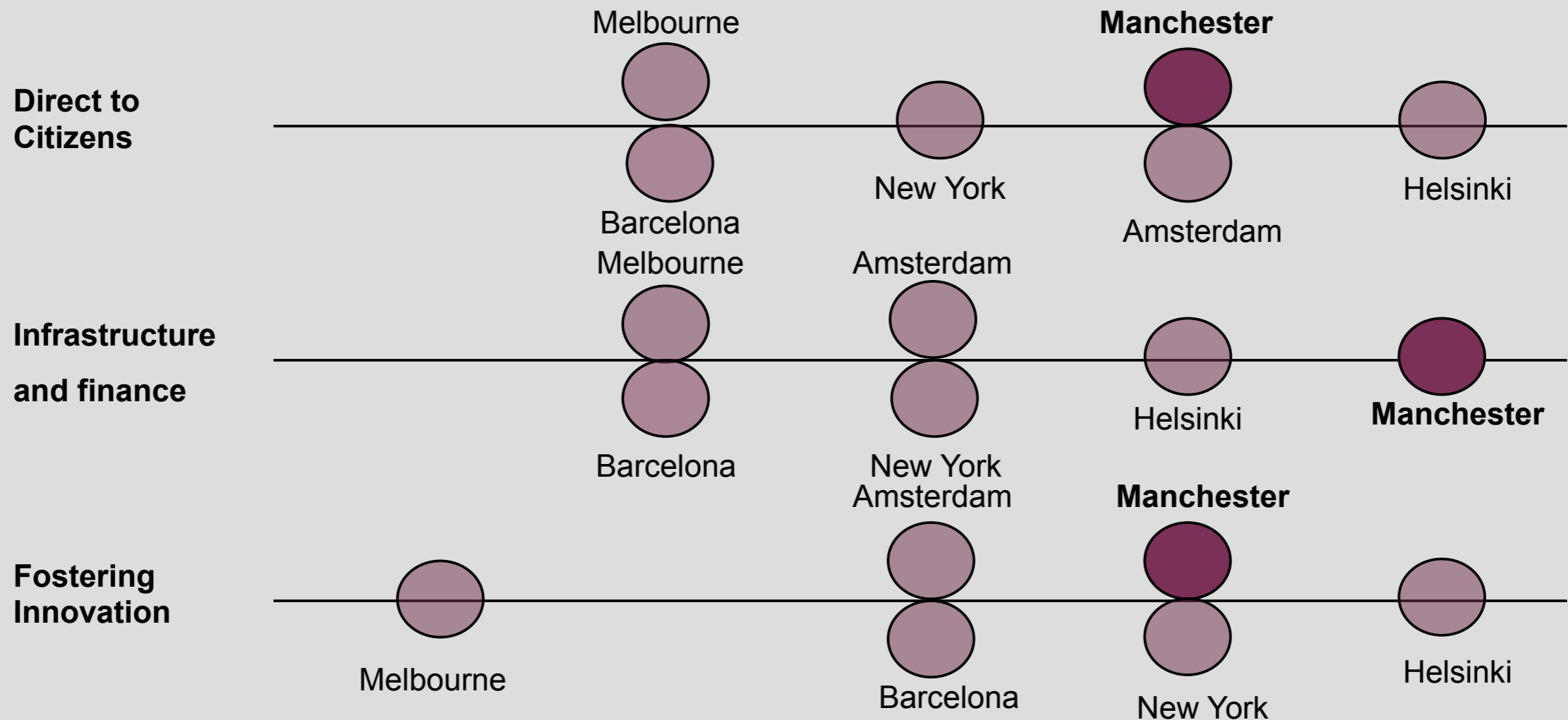
The Smarter City



Manchester

The Smarter City

Where we could be in 2020.



Manchester

The Smarter City



Thank you.