



Open cities, Smarter citizens

Agility

Hacker

Smart city

Sharing

Cloud

Internet of things

Smart grids

Digital Disruption

Open innovation

Open source

Freedom

Open data

“A Smart City would be able to set up and manage different infrastructures (water, energy, information and communication systems, transportation, emergency services, public facilities, buildings, waste management) that communicate, are adaptive, resilient, more efficient and automated in order to enhance life of the citizens along with environment protection”.

Presentation overview

1. The challenges of smart cities

1. What we do at Metapolis

Challenges for the Cities of Tomorrow

«Cities play a crucial role as engines of the economy, as places of connectivity, creativity and innovation, and as centres of services for their surrounding areas. Due to their density, cities offer a huge potential for energy savings and a move towards a carbon-neutral economy.

- In terms of aims, objectives and values, there is a shared vision of the European city of tomorrow as:
 - a place of advanced social progress with a high degree of social cohesion, socially-balanced housing as well as social, health and 'education for all' services;
 - a platform for democracy, cultural dialogue and diversity;
 - a place of green, ecological or environmental regeneration;
 - a place of attraction and an engine of economic growth. »

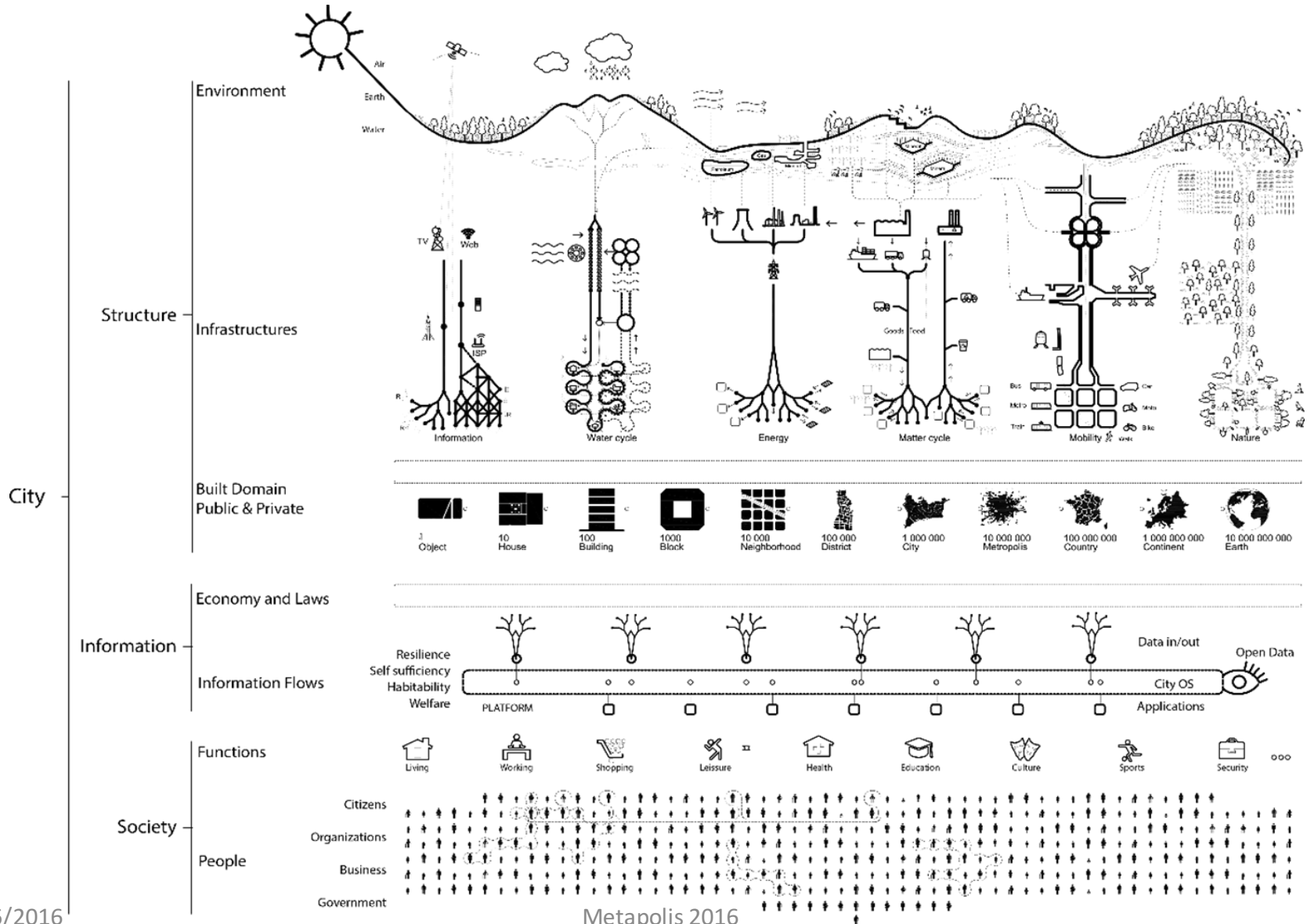
Source: European Union « Cities of Tomorrow: challenges, visions, ways forward »

Smart City : what are we talking about?

In 2025, 65% of the world population will live in cities and there will be 9 billion people on earth by 2040. To adapt, cities need to transform themselves in order to welcome everybody in better conditions. Cities should be smarter regarding water consumption, waste, real estate and public services management...

Cities should become agile, open, collaborative, connected and foster sharing.

A City : complex and fragmented networks.

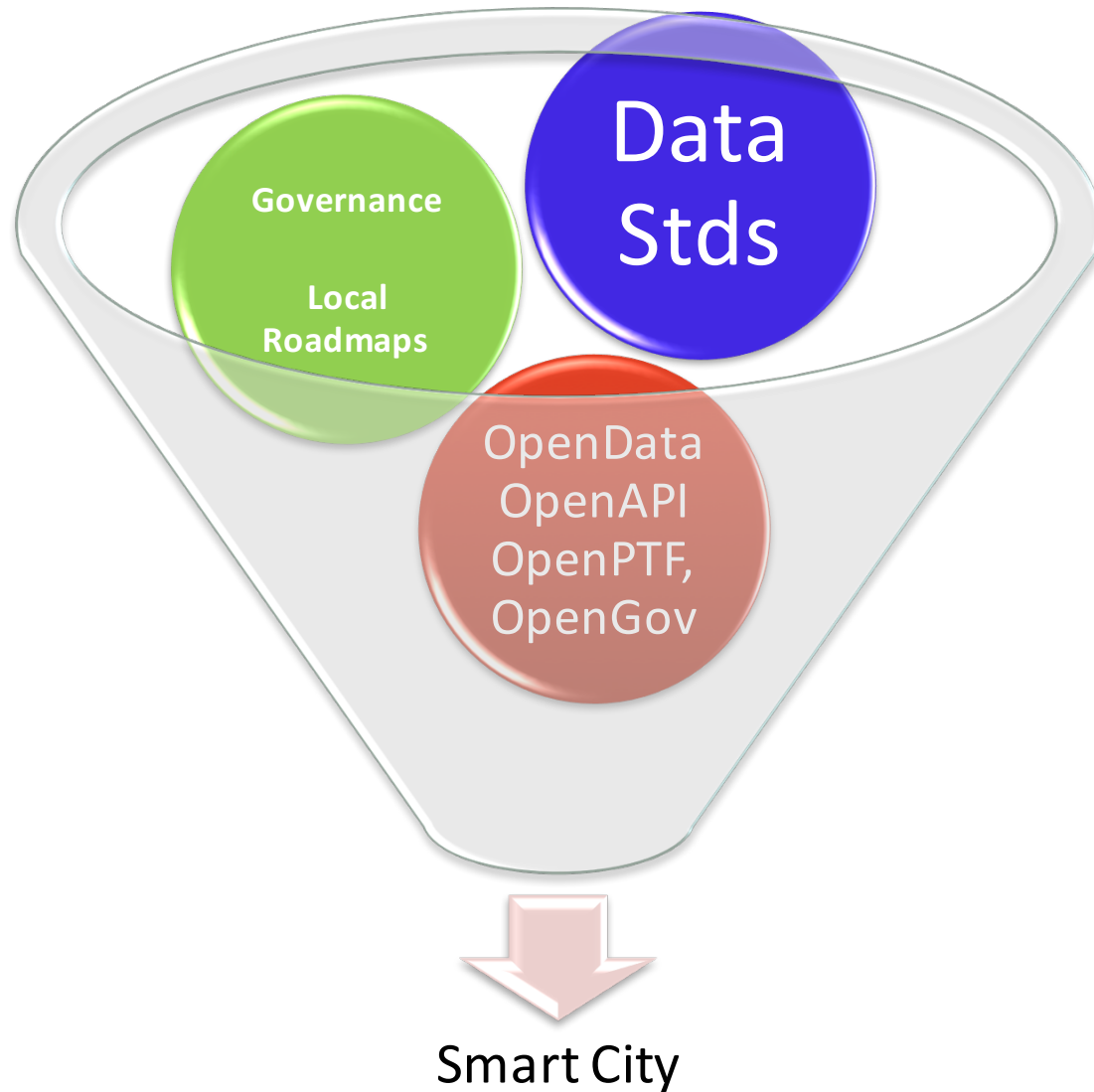


Towards enhanced partnerships and sharing

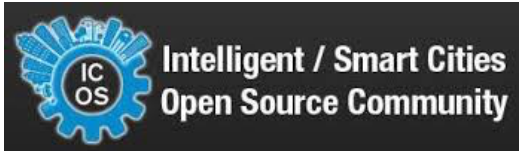
To cope with cities complexity, the digital transformation / smartness of the territories requires a different approach and a new way of building urban services.

- Spreading of Open Data approaches
- Break down the barriers of the urban systems
- Spreading of Data and communication standards (API)
- Disruptive Innovation / Open Innovation with start-ups
- New economic models
- Creation of local clusters

A new approach



Growing Initiatives



Many obstacles that remain unaddressed

- Non-existing standards
- Difficulty to keep update due to continuous innovations
- A weak legal and regulatory framework
- A remaining “silo” culture due to historical networks and the usual ways of managing / delegating them
- A weak “digital culture” and limited comprehension of data issues inside the IT departments or among the local elected officials and traditional operators
- Complex project-governance
- A lack of funds and human resources
- A risk to lose control over public data

And operators that do not collaborate



Top-Down approach

Data capture

Competing with traditional market players

Vertical approach

Data capture

Organizational silos

Difficulties to replicate outside their own networks



Limited control on data

Non replicable model

Local specific approaches





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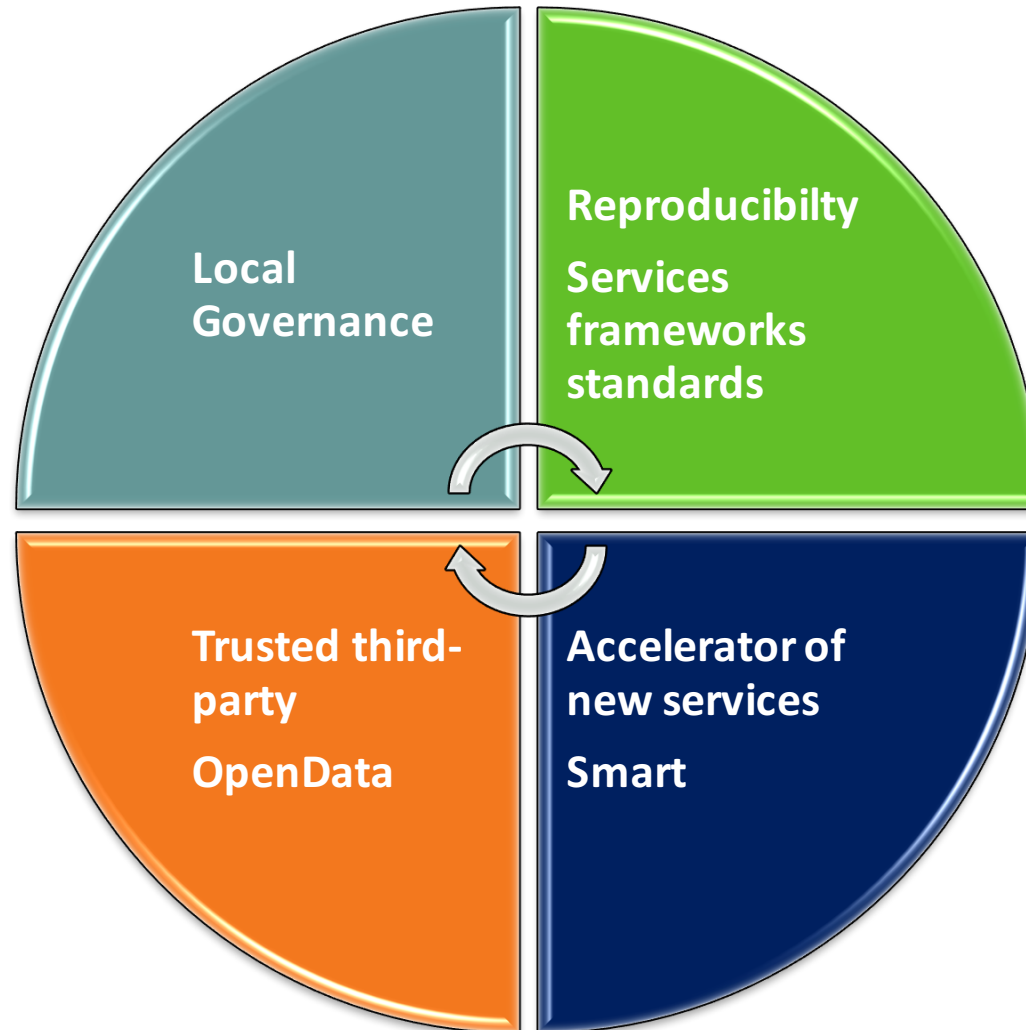
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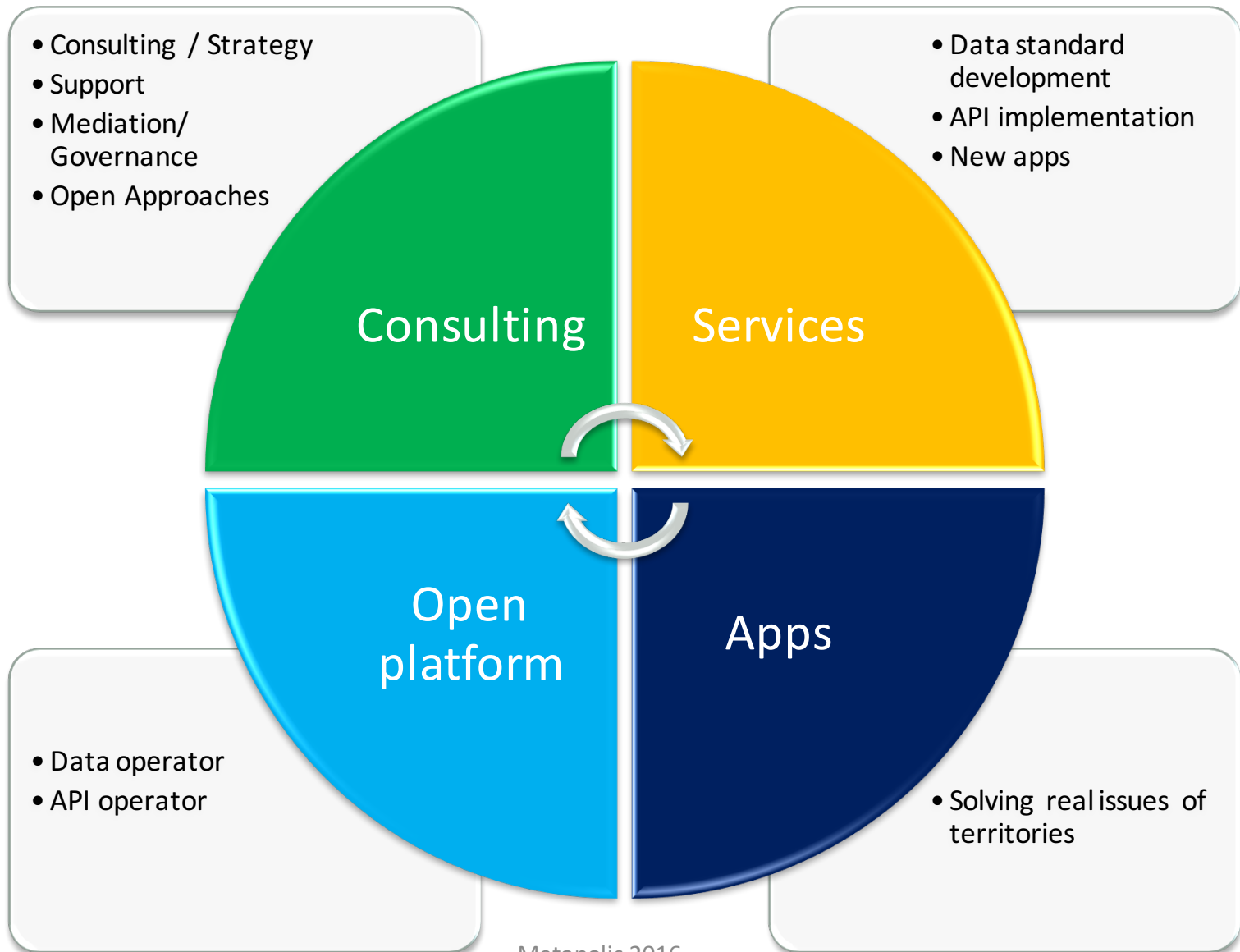
Our Ambition

- To support territories in the design of their smart city roadmaps
- To foster the use of data standards in order to allow the development of new urban services
- To build in a collaborative manner a “smart” and open source data platform to build a “cities/companies” community of users.

Our ambition



Our services





Contact

Fabien CAUCHI
+33 6 85 32 49 94



fabien.cauchi@metapolis.fr



[@metapolisfr](https://twitter.com/metapolisfr)

