

# Barcelona Smart City

**Towards a self-sufficient city**

Asian Smart City Conference

Sustainable Connected Cities Track

Yokohama, 31st of October 2012

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## The mantra

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“Productive districts at human speed inside a hyper-connected and zero emissions city”

*“Many slow cities inside a smart city”*

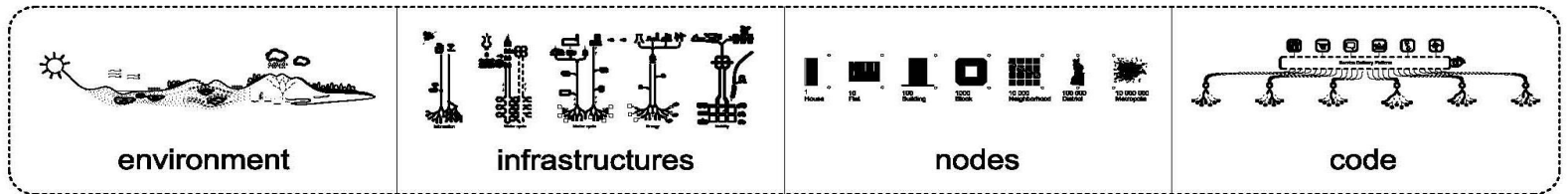


# City Services Model

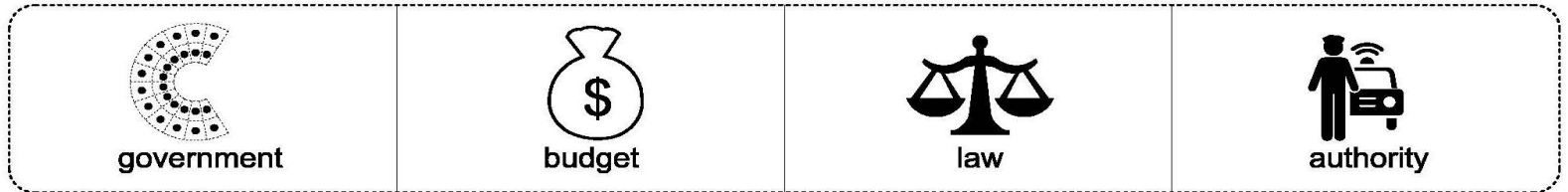
## Civitas services



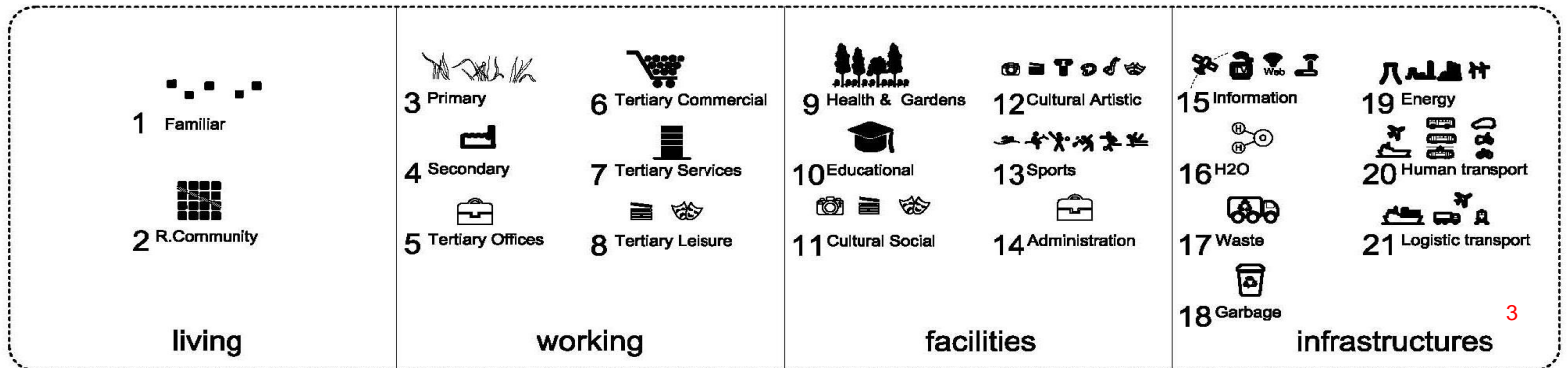
## Polis services



## Governances services



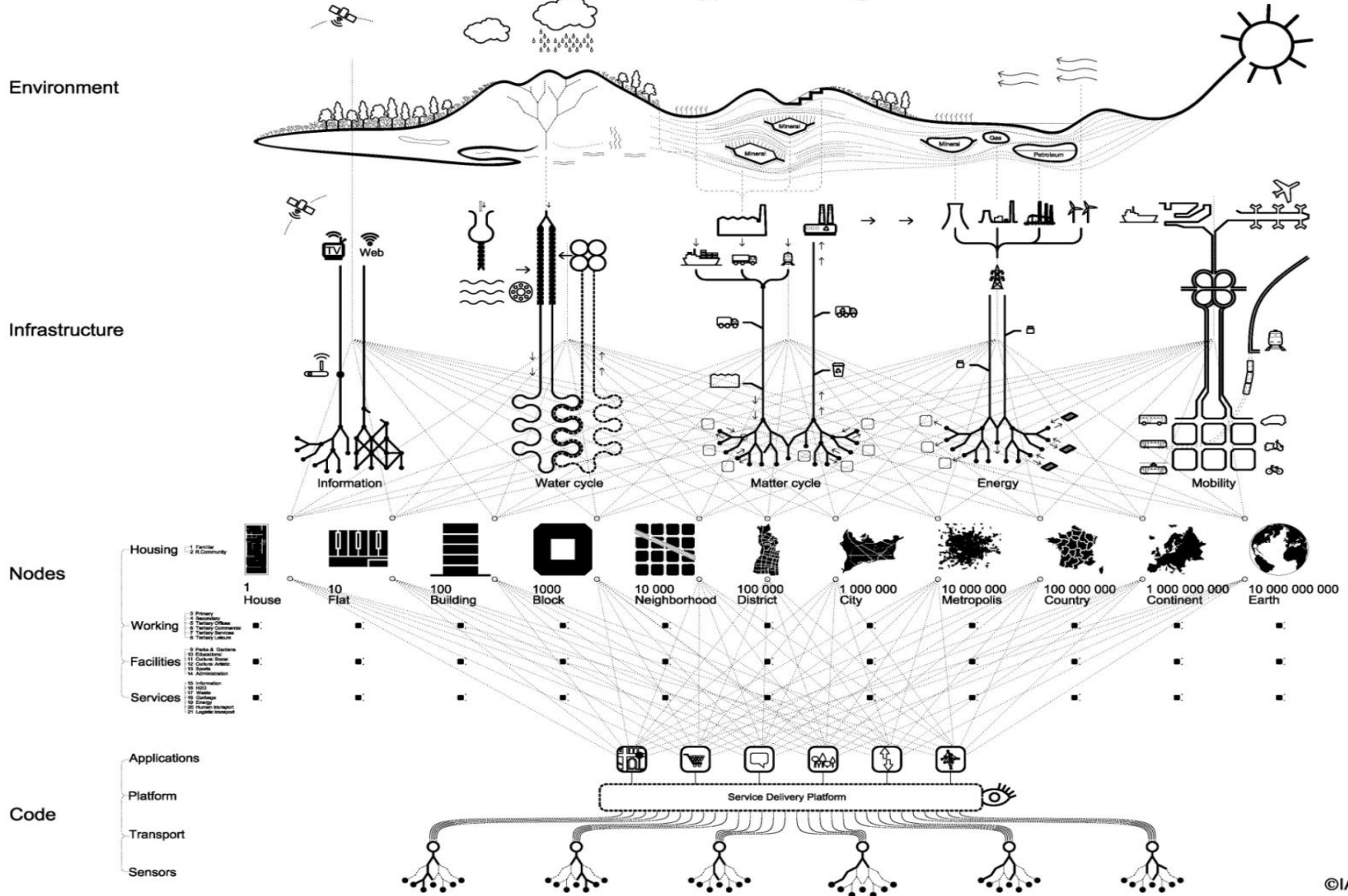
## Functions services





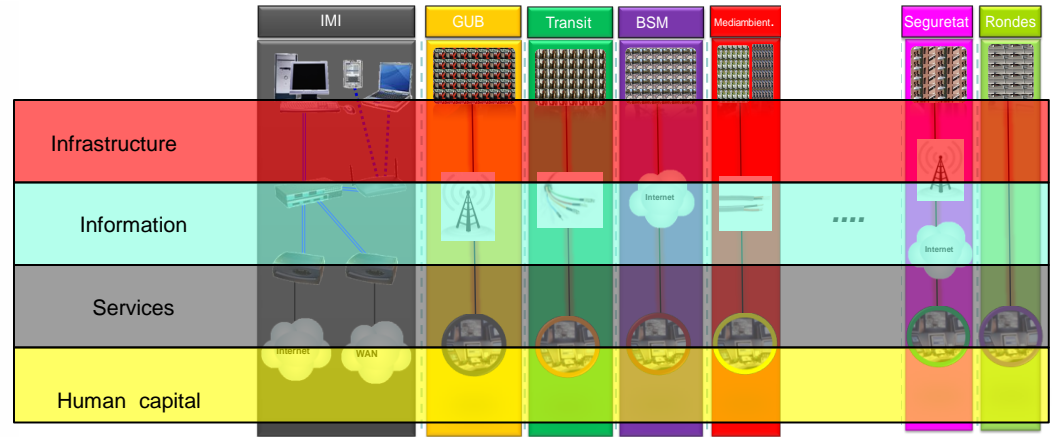
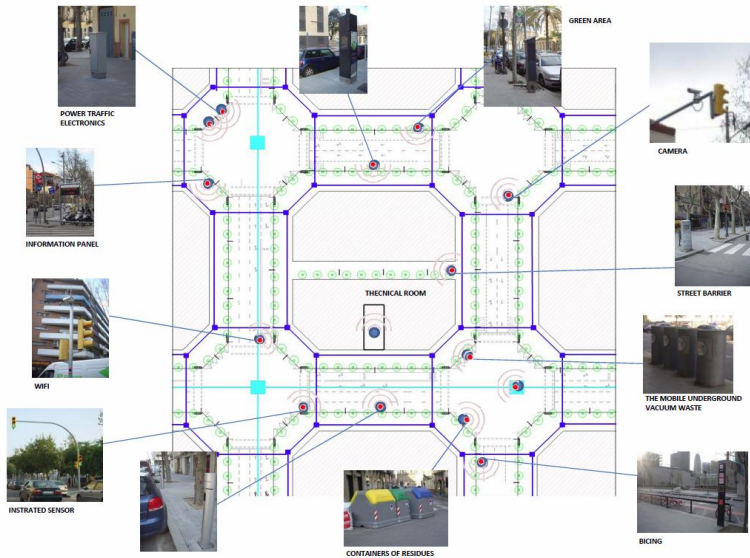
# Atlas of City Habitat

cityprotocol.org





# Urban innovation principles: Infrastructure - Information - Services - Citizens

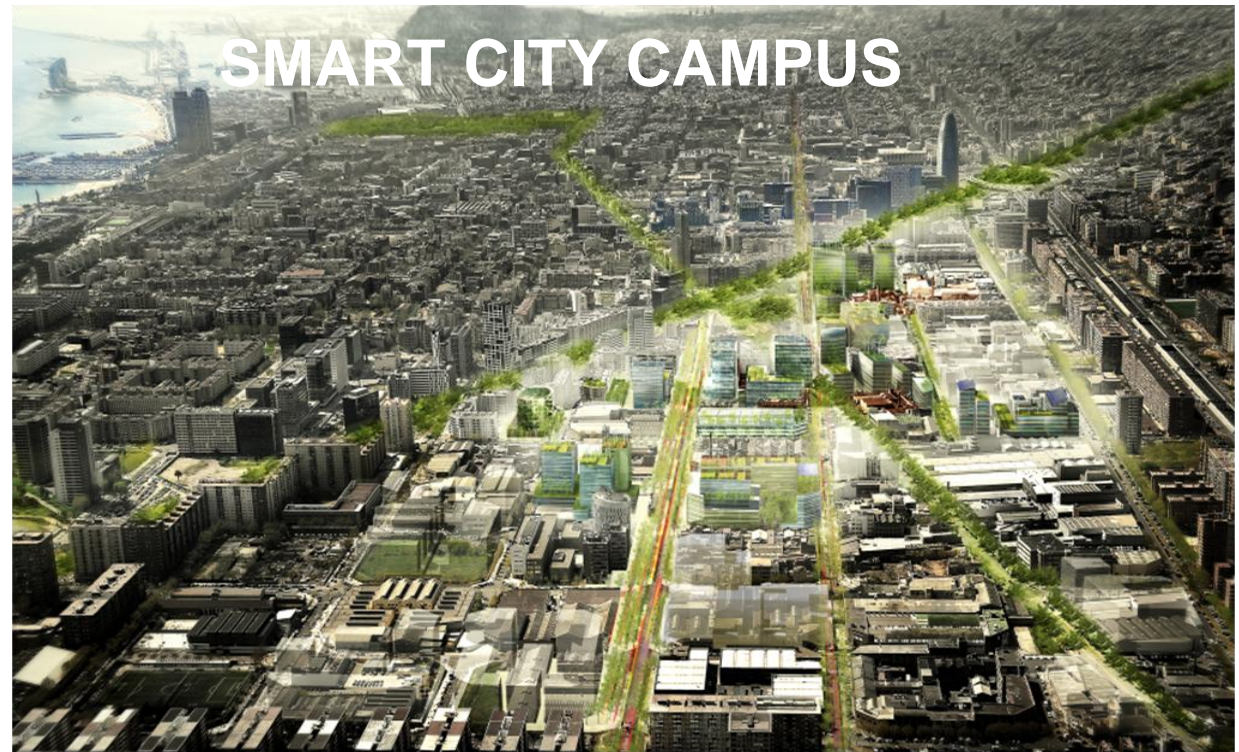


- I. Resilient infrastructures
- II. Transversal platform
- III. Re-engineering of urban services
- IV. Citizens' innovation



## Working together with national, state and local public and private organizations to develop and bring new businesses and jobs to the city

- Smart City Campus
- Institute of Technology for the Habitat
- Cluster cross-fertilization:  
Energy, ICT, Media, Urban Design, Electric Vehicle
- Local cooperation framework:  
Connect-EU  
22@Network
- International Networks
  - UCLG
  - Metropolis
  - ICLEI
  - EUROCITIES
  - WeGO
- International Fairs:  
Smart City Expo and World Congress
- International Projects:  
iCity, Commons4EU, OpenDAI, CitySDK, OpenCities...



/ CITY PROTOCOL

COMMON PROFOUND CITY CHALLENGES FOR THE 21ST CENTURY



WHY  
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We live in a world of cities. Challenging statistics about cities abound, and are now well rehearsed by city leaders. They highlight profound new challenges resulting from stepchange in demography exacerbated by the increasingly consumptive world we live in: ageing and health; energy. They also address chronic challenges that remain unresolved despite our best efforts to keep ahead of them – like transport.

WHAT IS  
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The City Protocol is a new open, global, and progressive working framework for cities worldwide to assess and improve performance in environmental sustainability, economic competitiveness, quality of life, and city services, by innovating and demonstrating new leadership models, new ways of engaging society, and by leveraging new information and communication technologies (ICT). [\[+\]](#)

/ CITY PROTOCOL SOCIETY

THE DEVELOPMENT AND GOVERNANCE OF THE CITY PROTOCOL



INTERIM STEERING COMMITTEE  
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List of members of the Interim Steering Committee as of August 3rd 2012....[\[+\]](#)

[Members of the Interim Steering Committee Affiliation](#)

WHAT IS  
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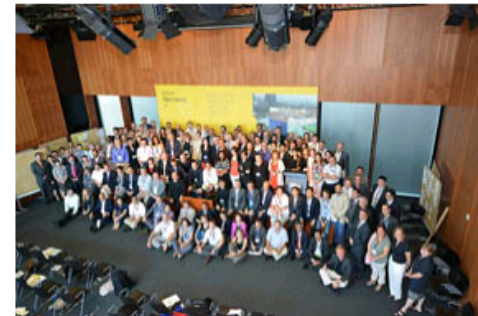
The City Protocol is being developed through a community: a partnership of cities, companies, academia, organizations and the civil society that participate directly in its development and take roles in its supporting organizations. All these key actors will constitute the City Protocol Society ...[\[+\]](#)

BUILDING  
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The CP will be build by volunteers coming from all the Constituencies or even individually. All members of the CPS are

/ WORKSHOPS

NEXT WORKSHOP: SAN FRANCISCO  
OCTOBER 2012



[BARCELONA 1ST C/P WORKSHOP](#)  
16-17 JULY 2012  
/

[DOCUMENTATION](#)  
/

[Output 1st C/P Workshop](#)

[CP Agreements](#)

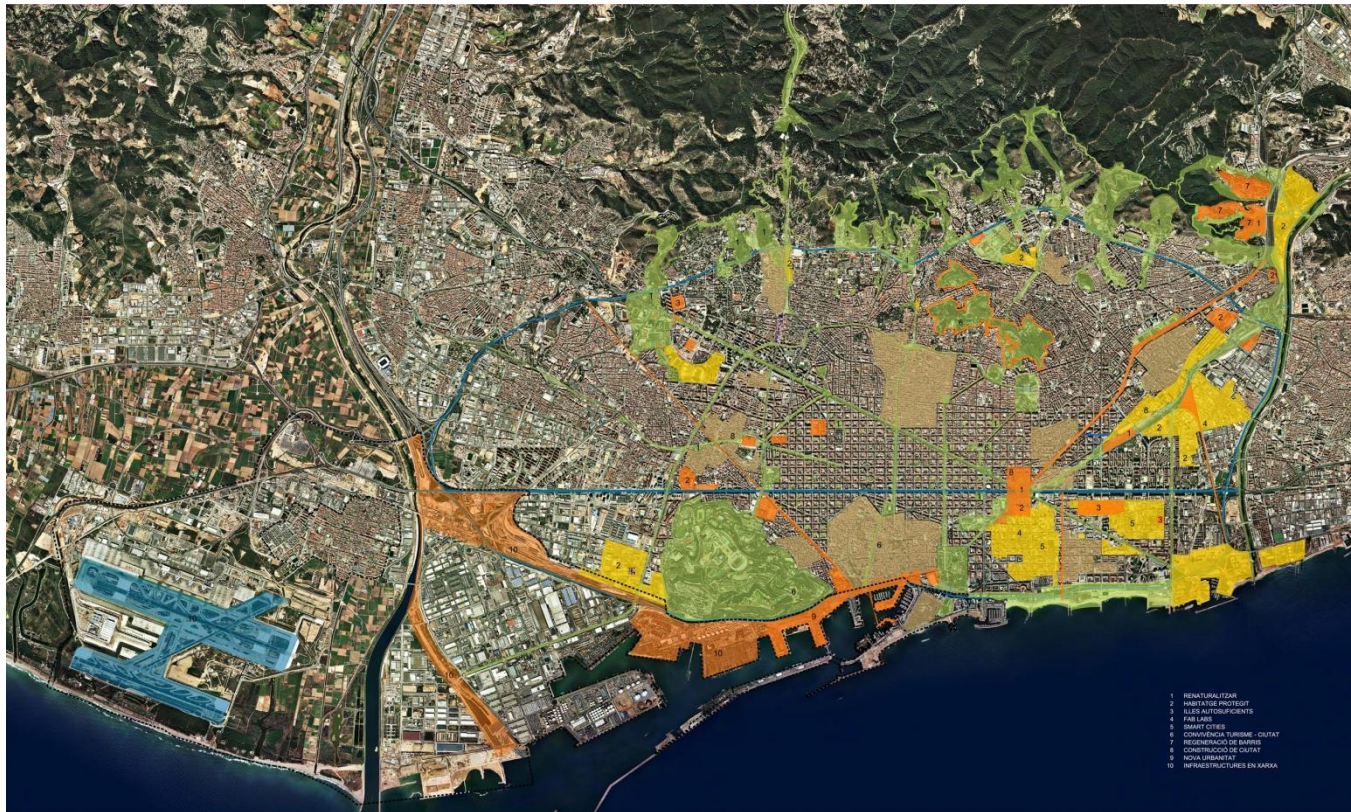
[Workshop Presentations](#)

[Workshop Videos & Images](#)





## Towards a self-sufficient city: 10 Key projects



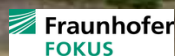
1. Self-sufficient Buildings Network
2. Energy efficiency in buildings
3. Smart parking
4. The orthogonal network of public transport
5. Pay per Lighting
6. Rain water management
7. New tools for a new waste management
8. *Situation room*
9. *Service delivery platform*
10. *New generation network for the municipality*



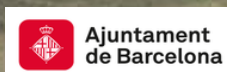
# Citizens on board: the iCity Project

Linked open apps ecosystem to open up innovation in smart cities

Retevisión, Cisco Systems, Fraunhofer FOKUS,  
Internet Interdisciplinary Institute - Universitat  
Oberta de Catalunya, Citilab Cornellà



Barcelona, Bologna, Genova, London

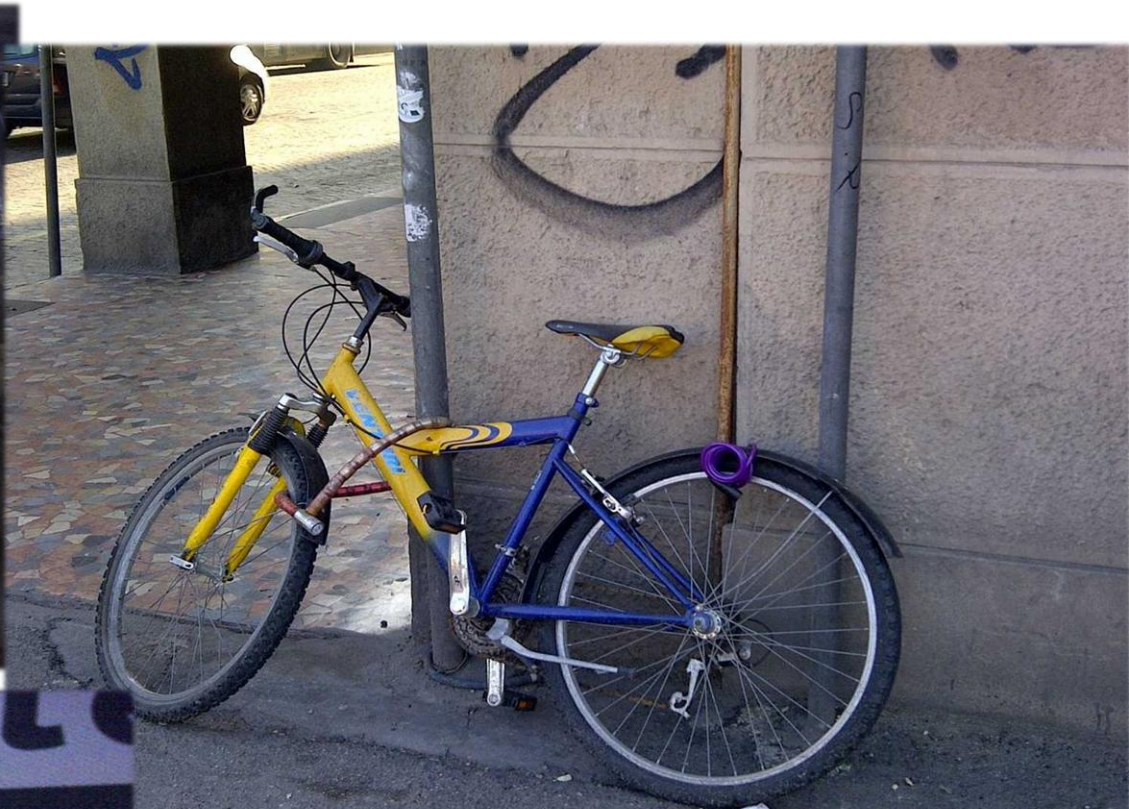


GREATERLONDONAUTHORITY

open public infrastructures  
co-creation of services of public interest

[www.icityproject.eu](http://www.icityproject.eu)



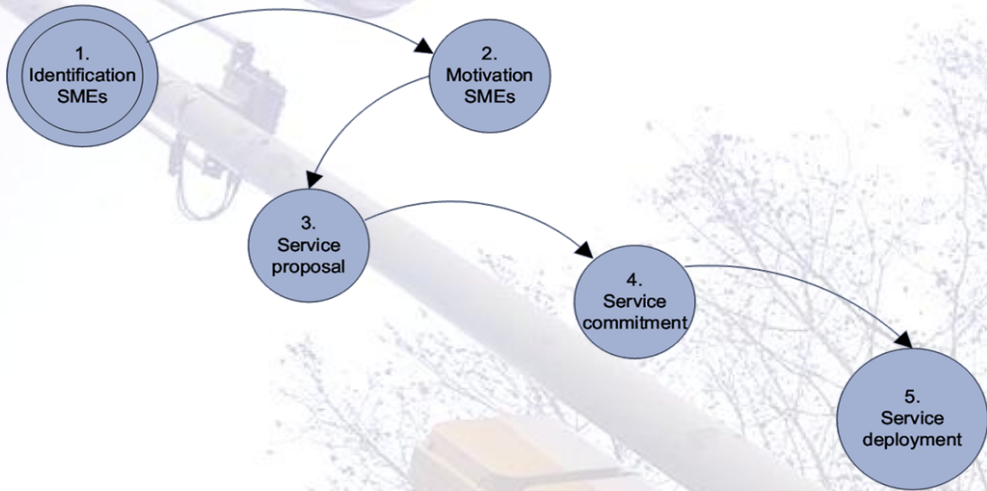


The city assets that can be and should be used for the benefit of citizenry to improve quality of life and economic prosperity.

Social intelligence find ways to add value to current city assets as public infrastructures, urban furniture, urban spaces or even a brand...

What about digital infrastructures?

iCity wants to provide space for the co-creation of services of public interest by third parties (SMEs, developers, students, entrepreneurs...) through the opening of already deployed public infrastructures on cities.



Cities innovation ecosystems will use a platform to deliver services of public interest



Thank you for your attention!



Ajuntament  
de Barcelona

B

Joan Batlle on behalf

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