





Cities in the digital, innovation and knowledge age

Rapid development in information and communication technologies (ICTs), innovation and knowledge, which has increased their presence in day-to-day life and made them basic elements for the social and economic progress of territories.



AFRICA:

Nioro du Rip (Senegal)

District of Ngaka Modiri Molema (South Africa)

Municipality of eThekwini-Durban (South Africa)

City of Bissau (Guinea Bissau)

Moka Flacq District Council (Mauritius)

LATIN AMERICA:

Charata (Argentina)

Municipality of Agua de Oro (Argentina)

Municipality of La Costa (Argentina)

Municipality of Villa Gesell (Argentina)

IMDEC Region - Municipal Integration for the

Development of East Catamarqueño (Argentina)

Municipality of Patacamaya (Bolivia)

City of Guatemala (Guatemala)

Mexico City (Mexico)

Colima City (Mexico)

ASIA:

Taipei City (Taiwan - R.O.C.)

EUROPE

City of Roeselare (Belgium)

Barcelona City Council (Spain)

Bilbao City Council (Spain)

Madrid City Council (Spain)

Provincial Council of Jaen (Spain)

Bordeaux City Council (France)

L'Havre City Council (France)

Limoges City Council (France)

City of Helsinki (Finland)

City of Lappeenranta (Finland)

City of Malmö (Sweden)

City of Lisbon (Portugal)

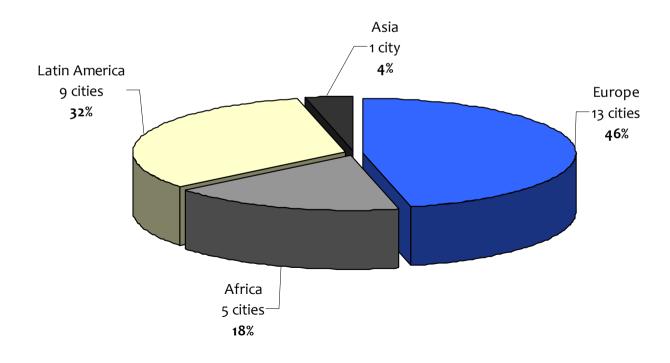
Katowice City Council (Poland)

SMART CITIES STUDY:

International study on the situation of ICT, innovation and Knowledge in cities



28 cities from all over the world



Commitment of Local Authorities

Follow-up to the commitment acquired by the Local Authorities that took part in the II World Summit of Local Authorities on the Information Society held in 2005 in Bilbao for boosting the information society in their territories.



Evolution from digital cities to innovative cities

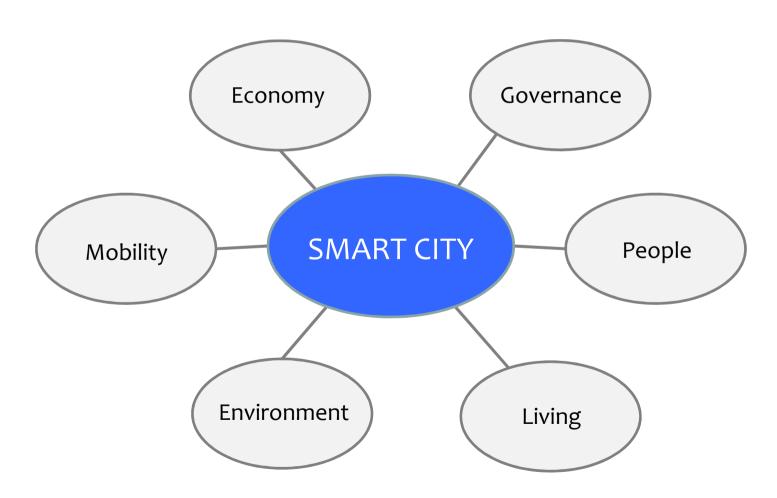
The world is becoming increasingly digital and no-one can afford to be left out of the changes taking place. This rapid change has given as a result a new model of city, the so called "Smart City".

A city, that seeks to become more livable, functional, competitive and modern through the use of new technologies, the promotion of innovation and the management knowledge.



Areas and factors of a "Smart City"

We talk about a "holistic" vision of Smart City, which brings together 6 key Areas of performance that affect the development of cities.



Smart Cities Study

For the development of the Study we have established indicators that help us to learn if we are working in the right direction to achieve a more competitive cities and municipalities.

It is important to remark that the Study did not seek to make a ranking of cities.

With this Study, from the Committee we want to provide a reference document for UCLG members that show the degree of progress made by the members in regards to ICT, innovation and knowledge, in each of the 6 areas.



Global and regional vision of the information

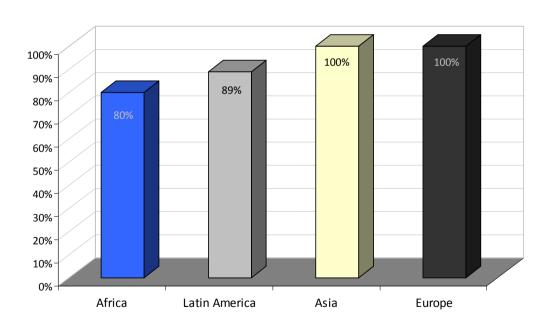
Through the Study we analyse the information that was made available by the 28 cities, related to these 6 areas and the key factors that they include.

This has allowed us to have a global vision of the situation of cities in each of the action fields, but also a vision at a regional level.

Does your City/Municipality have a website?

No 2 cities 7% Yes 26 cities 93%

% of cities that have websites by region



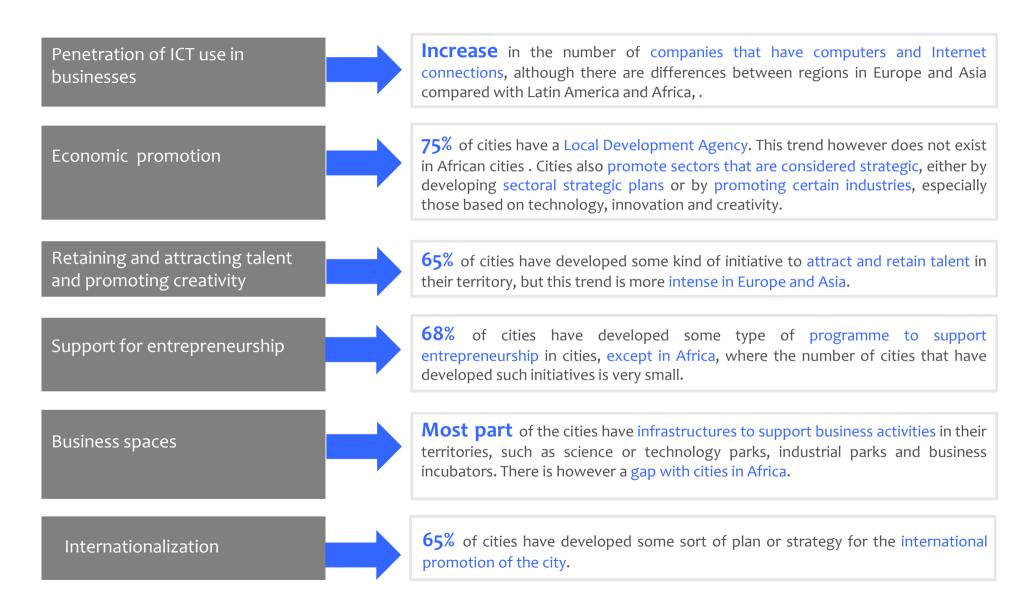
Knowledge-sharing: Best practices and experiences

The Study also provides many best practices and experiences that help to boost the exchange of knowledge between cities, since the cities that have taken part in the Study have shared their initiatives and experiences related to all these issues.

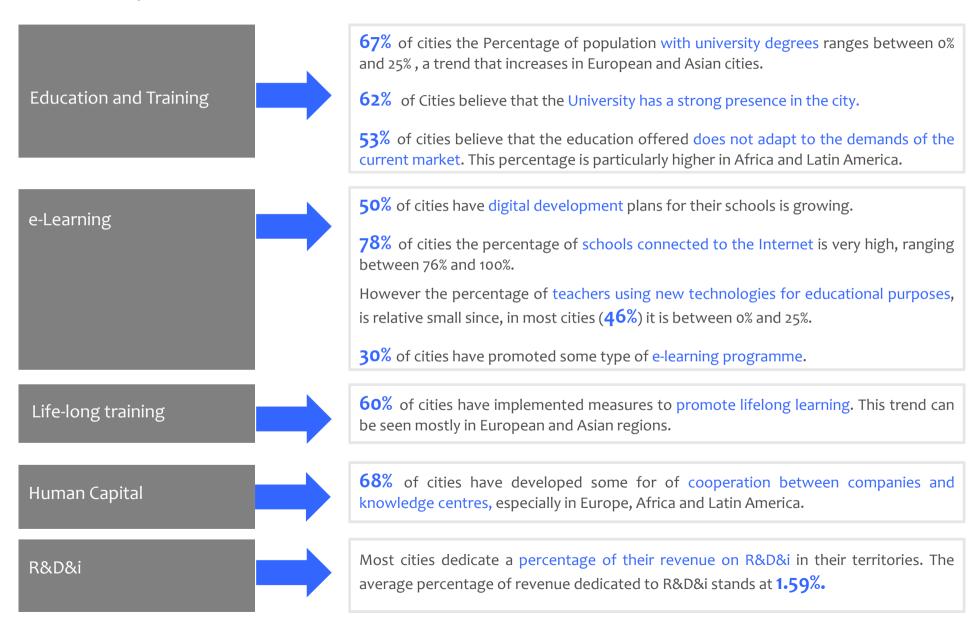


Some of the main results of the Study

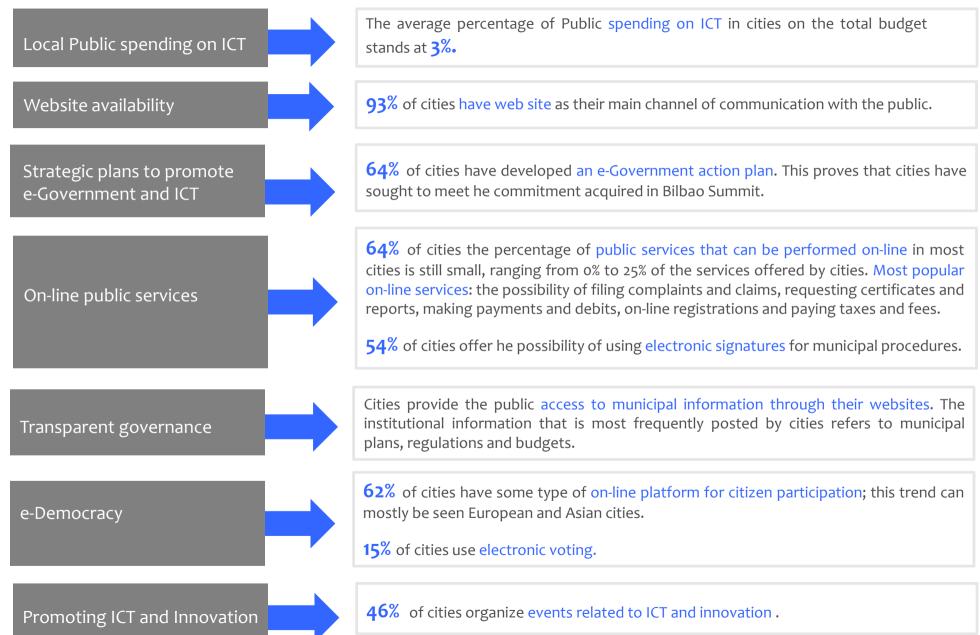
Smart Economy



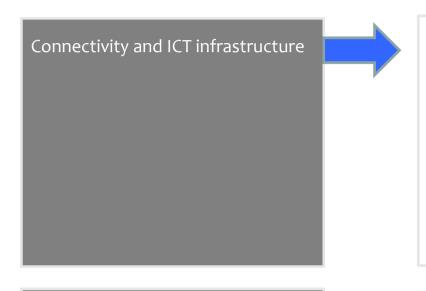
Smart People



Smart Governance



Smart Mobility



41% of cities have a high percentage of Internet users, ranging between 76% and 100%.

70% cities have between 76% and 100% of the municipal territory covered by broadband services.

40% of cities have a percentage of the population subscribed to broadband services between 76% and 100%. This trend can be seen especially in Europe and Asia.

62% of cities have a percentage high percentage of the population subscribed to mobile phone services between 76% and 100%.

There has been an increase in the percentage of people who use mobile Internet services.

Public Internet Access

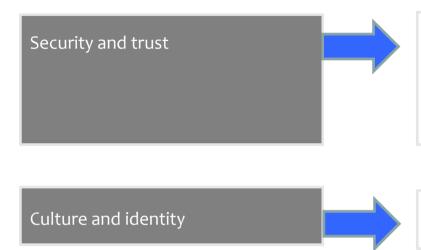


More and more cities have Wi-Fi hotspots around town with the aim of extending the benefits of the Information Society to all citizens.

Cities also provide municipal spaces where computers with Internet connection are placed at the disposal of the public.

In some cases, cities have reached some kind of agreement with ISPs with a view to providing the public with the opportunity of subscribing a high-quality Internet connection at reasonable prices.

Smart Environment



A growing number of cities have implemented systems to improve citizen security based on ICT.

The main system used is video surveillance.

New technologies are also used to improve computer systems with a view to managing incidents and emergencies.

A growing number of cities have promoted some type of initiative to digitize and share their cultural heritage, especially in the cities of Asia and Europe.

Smart Living



Through the use of new technologies, citizens can enjoy a number of on-line medical services, including key services such as requesting an appointment on-line or the possibility of having a digital record. However, the percentage of cities that offer such possibilities is still small.

The percentage of cities that have some sort of electronic health card is also small. Cities in Europe and Asia are primarily starting to use this system.

The number of cities that offer the possibility of accessing remote home services, alarm systems or remote patient monitoring systems is still limited.

More and more cities (52%) are driving digital inclusion programmes for groups at risk of exclusion. Such initiatives are conducted primarily in Asia and Europe, while the percentage of cities in Latin America and Africa that have introduced them is still small.

Available in Spanish and English

The Study is available both in Spanish and English and you can download it from the Committee Website.

http://www.cities-localgovernments.org/committees/cdc

