

Committee of Digital and Knowledge-Based Cities of the United Cities and Local Governments

Report of activities

2011

Chair:

Mr. Iñaki Azkuna, Mayor of the City of Bilbao

1. INTRODUCTION

The last few decades have seen 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.

The world is becoming increasingly digital, and no-one can afford to be left out of the changes taking place. Such a far-reaching process of change and the climate of uncertainty generated in regard to what type of society will result from it mean that local authorities, as the public authorities closest to ordinary people, must find the right way to respond.

The leadership provided by local authorities in implementing a sustainable local strategy to bring about an information, innovation and knowledge-based society is thus a key element for local development. There is currently a digital and knowledge divide not only between countries but also between local authorities all over the world. It is therefore essential that local authorities from less favoured countries should roll out strategies to take advantage of the opportunities offered by these new circumstances.

Since its creation 5 years ago the Committee of Digital and Knowledge-Based Cities (formerly known as the Committee on the Information Society), chaired by the city of Bilbao, has worked hard to set up an efficient network of co-operation between local authorities with a view to seizing the opportunities provided by new information and communication technologies (ICTs), innovation and knowledge, sharing them, assimilating them and adapting them to local needs so as to create new opportunities for all.

Over the years we have sought to establish a partnership between all the members of the Committee that can help us achieve a competitive economy driven by local authorities, in which knowledge, innovation and ICTs are created, transmitted, acquired and used to promote economic and social development within the community. We believe that it is important for cities and municipalities all over the world to strive to factor community intellectual capital and knowledge into their economies and to develop knowledge-based services with universal, systematic, effective, efficient access to knowledge and to ICTs so as to attract and hold on to talent.

2. BALANCE OF ACTIVITIES 2011

2.1 Orientation of the Committee

On the basis of the change of orientation approved by the Committee by the end of 2010 and that was ratified with the renewal of mandate of the Committee for the period 2011-2013, the committee has focused in **the following lines of work**:

1. Dissemination of the Digital Local Agenda. This has been the main task of the Committee over the past four years. It continues to be an extraordinarily useful tool for making structured, planned progress towards the objective of Digital, competitive, co-operative cities while at the same time developing the concept of the "smart city" agenda.

2. Identification and strengthening of the factors that make cities more innovative, such as the ability to attract and generate knowledge, improvements in education and lifelong learning, and priority support at local management level for economic sectors based on creativity and technological knowledge.

3. Positioning of cities as leaders in territorial innovation processes, in view of their ability to establish highly participative, efficient networks.

4. Creation of an efficient co-operation network comprising UCLG member cities to make the best possible use of creativity, innovation and knowledge, sharing assimilating and adapting them to local needs and thus creating new opportunities for everyone.

We are currently working in the following **thematic areas**, which include the elements that make up digital and knowledge-based cities:

Information & Communication Technologies	Innovation	Knowledge
<ul style="list-style-type: none"> • Accesibility & e-inclusion • e-health • e-adminstration • e-business • Infrastructures • Safety & confidence • e-learning 	<ul style="list-style-type: none"> • Attracting & holding on to talent • Entrepreneurism • Technology infrastructures • Internationalisation • Creativity • R&D&i 	<ul style="list-style-type: none"> • Infrastructures • Education • Continuous training • Human capital

2.2 Structure

Governing Bodies of the Comité

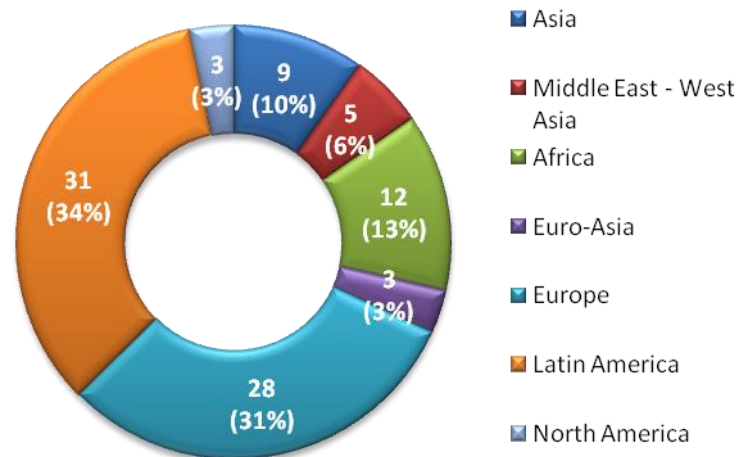
- One of the main activities developed by the Committee in 2011, has been the renewal of the government bodies of the Committee.
- In the case of the Committee Vice-presidencies for Euro-Asia, Latin America and Africa held by the **City of Ulan Bator**, the **National Confederation of Municipalities of Brazil (CNM)**, and the **Association of Municipalities of Morocco (ANCLM)** respectively, we are pleased to inform you that they have confirmed the renewal of their commitment to continue to leader and coordinate the work of the committee in their region.
- In the case of the Vice-presidency of Europe, held by the **City of Stuttgart**, we were informed that it was not possible for them to keep on holding the position of Vice-president of the Committee of Digital and Knowledge-based Cities for the region of Europe.
- With the objective to continue having a geographical balance in the Committee Government bodies, the **City of Bordeaux** in France has accepted the commitment of holding the Vice-presidency of the Committee for the region of Europe. The City of Bordeaux has broad experience in the development of the Information Society in its Territory.



Members

- Efforts have been made to increase membership of the Committee, particularly in those regions of the world where there are as yet few members, i.e. The Middle East, western Asia, Euro-Asia and Europe.
- Currently the committee has: **91 members**

- **3 new cities have incorporated to the committee.** These cities have a long time experience in the implementation of new technologies in their cities to improve the communication with their citizens:



City of Bordeaux:

Through its “Bordeaux Digital City” programme implemented in 2010, the City of Bordeaux has developed diverse digital initiatives in the city: development of services accessible through mobile internet, interactive blackboards in the schools, new web pages for the museums such as the CAPC developed with free software, implementation of 2D codes in the city that give additional information to the citizens, development of a pilot experience with more than 100 families in which they receive a computer connected to high speed internet and a training offer, launch of an extensive consulting platform, use of social networks to have a closer relation with the citizens in the frame work of the “solidary neighbors” project, development of public wifi points... in summary, a group of innovative services, that help to improve the quality of live of the Citizens.



City of Suresnes:

The City of Suresnes, France, has recently joined the Committee of Digital and Knowledge-based Cities of UCLG.

The City of Suresnes has recently launches the institutional project "Suresnes Digital City" that has as main objective to develop a strategic plan on ICT, having into consideration a shared diagnosis.



Ciudad de Stavropol:

The City of Stavropol in Russia has developed an Integrated System of Operational Dispatch Control (IODCS) on the basis of the Stavropol Single Duty and Dispatch Service (SDDS) and a video surveillance system (CCTV) at municipal educational institutions and public places

The main objectives of the project are:

- Twenty-four hour collection, processing and provision of information on emergency situations, forecasts and trends of their development and consequences, forces and resources involved in prevention and recovery of emergencies;
- Operational management of the forces and means in carrying out activities for emergency response and recovery of emergencies;
- Communication between the city government units of the Stavropol Regional territorial subsystem of the unified state system for prevention and recovery of emergencies (hereinafter RSES), forces and funds involved in emergency response;
- Introduction of the technical security control facilities on the basis of video surveillance systems at municipal educational institutions and public places.



- During this period, efforts have been also made to encourage and foster networking between members.

Co-ordination with other Committees and Regional Sections

- During this period the committee has worked to intensify co-operation and collaboration with other UCLG committees and working groups.
- In this sense, in 2011 the committee has begun to work on a possible **collaboration with the Committee on Urban Strategic Planning** and with the **Committee on Urban Mobility**.

2.3 Progress made by the Committee

Technical instruments

- An ongoing work has been developed, to continue on the updating of the technical instruments rolled out, i.e. the website, the Forum and the TV channel.
- New instruments and tools have been sought that can improve the work of the Committee and enhance communication between its members: participation in social networks, blogs, etc.

www.cities-localgovernments.org/committees/cdc



Knowledge sharing

- Efforts have been made to encourage the sharing of knowledge and experiences between local authorities.
- For this purpose, it has been made accessible to the members the committee website and the Youtube TV Channel.
- During this period, we have also worked in the identification of "Emblematic" that can be used as benchmarks.

Awareness & Dissemination

- Support has been given for the organising and development of events to heighten awareness and disseminate the importance of implementing ICTs, innovation and knowledge at local level with a view to achieving sustainable development and improving the quality of life of citizens in the various regions of the world.
- The following events can be remarked in 2011:

XII Latin American Meeting of Digital Cities (28-30 September 2011, in Bilbao)



The City of Bilbao turned into the World Capital of New Technologies applied to the World of public administration, with the celebration from 28-30 September of the XII Latin American Meeting of Digital Cities. This international meeting gathered mayors, deputies and high level public administrators from diverse Latin-American Cities, as well as from U.S.A and Canada. The event hosted a high level speaker: the Ex-president of Colombia, Alvaro Uribe.

The appearance in our lives of internet has meant a drastic change in the way we communicate. This revolution has also modified the way public institutions have to communicate with citizens. With a simple "click" now the citizens can access information about social security, arrange a meeting with the doctor or request a construction license. All of these, without waiting long lines, and doing it at home through a computer.

Expert in the modernization of public services and representatives from the main companies of the sector, gathered their efforts to create "intelligent cities, where the personal, social and economic development of the citizens can be boosted". The Congress counted also with a specific area for the business exposition, where the new features of the industry were shown.

The next meeting will be held in the City of Buenos Aires, Argentina.

Bilbao Web Summit (17-18 May 2011, in Bilbao)



On the 17th and 18th of May, 2011 took place in the City of Bilbao the "Bilbao Web Summit". A global event that brought together, world-class experts, in the field of internet, to debate on the future of the net.

The Bilbao Web Summit, counted on with the support Bilbao City Hall, and it represented the most important Summit in Europe on the internet and new technologies, and it gathered the most important experts in the field, among them Sir Tim Berners-Lee, considered as the father of the Web and creator of the HTML language and the HTTP protocol, and Chris Shipley, known as the most influent woman of the Silicon Valley. Along with them, the main internet experts, key business people and professionals from the sector, analyzed the present of the net and established the mail action lines that will define the next Internet generation.

Bilbao hosted discussions about the future of the Web for a week. From the 16th to the 19th of May, 2011 the W3C Advisory Committee met in Bilbao to mark the bases of the Web for the next years. The criteria established in Bilbao will affect future services of on-line banking, electronic administration, telemedicine, digital education, digital media and digital commerce.

One of the main features of the Bilbao Web Summit is the publication of the conclusions agreed by the participants. This unique document, will serve as Road map to advance the tendencies in the development of internet.

The selection of Bilbao for this World Summit on the future of internet is closely related to the high-level of development reached by the Basque Country and the City of Bilbao in the field of Internet and the use of ICT.

Digital Week (21-26 March, Bordeaux)

The City of Bordeaux has organized from the 21st to the 26th of March 2011 the Digital Week. A week that is integrated by workshops, debates and mixed events that will allow to debate about the impact of the developments of digital projects in the cities.



The search of fundiung

- A constant search is maintained for funding from various sources (European projects, subsidies, etc.) to develop the on-line capability-building programme and the Committee's other activities.

2.4 Communication

Committee Circulars

- Along in 2011, circulars have continued to be used as a channel of communication between the Committee and its members.
- All circulars are available on the Committee website.
- During 2011, **5 circulars** have been sent to the members and **an invitation mailing to the members for the Bilbao Web Summit**.

Progress reports

- The Presidency of the Committee continues to report on progress in its activities at annual Committee meetings and at the meetings of the Executive Bureau and World Council of the UCLG.
- The next committee meeting will be held on **December 9, in the City of Florence, Italy**.

Publications

Smart Cities Study: First study on the situation of ICT, Innovation and Knowledge management in UCLG Members.



SMART CITIES STUDY:

Primer Estudio sobre la situación de las TIC, Innovación y Conocimiento en los miembros de CGLU

First study on the situation of ICT, Innovation and Knowledge management in UCLG Members

Première étude sur les TIC, l'Innovation et la Connaissance parmi les membres de CGLU

In 2011 the Committee has begun to work in the "Smart Cities Study: First study on the situation of ICT, Innovation and Knowledge management in UCLG Members".

In 2005 during the II World Summit of Cities and Local Authorities on the Information Society held in the City of Bilbao, the **local authorities committed themselves to work to achieve a full access to the Information Society in their cities and regions through the implementation of the Digital Local Agendas**, a local strategy for the development of the Information Society in a region.

Now, after more than 5 years, the moment has come to make a balance. For this reason, the Committee of Digital and Knowledge Based Cities wants to support the completion of this study, so that it can constitute a starting point to know about the real state of the art referring to ICTs, Innovation and Knowledge in the Committee, and we can be able to establish some indicators that can allow us to know whether we are working in the right direction in order to achieve more competitive cities.

In drawing up this study, close co-operation has been sought with the UCLG World Secretariat, the regional sections and the Committee vice-presidents.

Until now we have received the form filled-in by more than 25 UCLG members.

Along with the analysis of the situation of the members, the publication will also feature a compendium of best practices identified in the various thematic areas covered by the Committee.

Reflection on technology and administrative modernization

The National Confederation of Municipalities of Brazil (CNM) that holds the Vice-presidency of the Committee has recently published a reflection on municipal management in the matter of "Technology and administrative modernization: from the electronic Government to the connected governance".

The objective of the publication is to present key questions and pertinent considerations that can help the public manager to support their technological decisions.

The document presents the last subjects treated in Geneva on the evolution in the government, through real examples of the Brazilian municipalities and worldwide, and it identifies directives on how to guarantee the maturity of discharge in the development process and management of the technology.

The publication does not try to have all the answers, but it tries to be a guide who helps the new administrators so that they are able to make the correct questions against the challenges that will find in their mandate.



Observatory

- In 2011, work has been done to identify and distribute via the website studies and news stories relating to the topics handled by the Committee.

News and Newsletters

- The website has been the communication channel to keep members up to date on any news concerning the Committee and its members.
- A bi-monthly newsletter containing information about the Committee, news and current affairs and details of forthcoming events of interest has been sent to the committee members.
- In 2011, **5 committee newsletters** have been sent. These newsletters are available through the committee website.

2.5 Meetings

Calls for Committee Meetings

- In accordance with the terms of operation of these committees and working groups, the Committee will hold at least one face-to-face meeting, as a forum for analyzing the work done to date and discussing the working plan for the next period.
- The **annual committee meeting will be held on December 9 in Florence, Italy.**
- In this occasion, a **joint meeting** has been organized with the **Committee on Strategic Urban Planning and the Committee on Urban Mobility.**
- From the Presidency of the three Committees, we believe, that some of the issues that we work in our committees are closely related, therefore, we consider, that it might be of a great interest to work together with the main objective of identifying some possible common actions and projects.

Participation in Committee Secretariat Working Meetings and UCLG Statutory Meetings

- The Committee Secretariat took part in the **meeting of the committee secretariats held the 22 and 23 February in Barcelona.**
- During 2010 UCLG started consultations for a redefinition of strategic priorities of our organization. This exercise that seek to promote contributions from all the partners in the process of t the Strategic planning of UCGL, started with consultations of the Secretaries General of the UCLG Sections and the UCLG Advisory Board.
- This dynamic Workshops Addressed to the Secretariats of the Committees and Working Groups was part of this process.
- The workshop revised the results of the exercise and decisions to date and gathered concrete inputs on the long term general work programme of the organization, the priorities and the products to be developed.
- The workshop also provided the opportunity to share the progress made in the implementation of the work programmes of the different committees and working groups.



3. LIST OF COMMITTEE MEMBERS

Update: August 31, 2011

ASIA

China	City of Beijing
China	City of Guangzhou
China	City of Taichung
Indonesia	City of Batam
Indonesia	City of Jakarta
Indonesia	UCLG ASPAC
Philippines	City of Makati
Taiwan	City of Taipei
Turkey	Diyarbakir Metropolitan Municipality

AFRICA

Benin	ANMB (National Association of Municipalities of Benin)
Congo	Association of Mayors of Congo
Congo	City of Brazzaville
Kenya	ALGAK (Association of Local Government Authorities of Kenya)
Mali	City of Bamako
Morocco	National Association of Municipalities of Morocco
Morocco	Municipality of Rabat
Morocco	Municipality of Sidi Boumehdi
Mozambique	City of Maputo
South Africa	United Cities and Local Governments of Africa
Tanzania	Municipality of Morogoro
Tunisia	City of Tunis

EURO - ASIA

Mongolia	City of Ulan Bator
Russia	City of Stravropol
Russia	City of Moscow

EUROPE

Germany	City of Cologne
Germany	City of Stuttgart
Albania	Albanian Association of Municipalities
Albania	Municipality of Tirana
Belgium	City of Anthisnes
France	United Cities of France
France	AFCCRE (French Association of the Council of European Municipalities and Regions)
France	Association of Regions of France
France	Regional Council of Midi Pyrénées
France	City of Elancourt
France	City of Gières
France	City of Bordeaux
France	City of Suresnes
France	City of Lyon
Italy	CICU (United Cities)
Italy	Municipality of Venice
Italy	Province of Turin
Poland	City of Lublin
Poland	APC (Polish Association of Municipalities)
Portugal	Municipality of Abrantes
Portugal	Municipality of Faro
Spain	Municipal Council of Barcelona
Spain	Municipal Council of Bilbao
Spain	Provincial Council of Barcelona
Spain	Spanish Federación of Municipalities
Sweden	City of Stockholm
Switzerland	City of Geneva
Switzerland	Digital Solidarity Fund

NORTH AMERICA

Canada	City of Toronto
Canada	City of Montreal
USA	National League of Cities

LATIN AMERICA

Argentina	City of Mendoza
Argentina	City of Rosario
Argentina	FAM (Argentine Federation of Municipalities)
Argentina	Municipality of Tres Arroyos
Argentina	Municipality of Esperanza
Brazil	Municipality of Camaçari
Brazil	Municipality of Curitiba
Brazil	Municipality of Petropolis
Brazil	Municipality of Porto Alegre
Brazil	Municipality of Jacarei
Brazil	Municipality of Lages
Brazil	Municipality of Várzea Paulista
Brazil	City of Rio de Janeiro
Brazil	CNM (National Confederation of Municipalities of Brazil)
Chile	Chilean Association of Municipalities
Chile	Regional Association of Municipalities of the Antofagasta Region
Chile	City of Peñalolen
Colombia	FCM (Colombian Federation of Municipalities)
Colombia	City Hall of San Sebastián de Mariquita
Colombia	Municipality of Medellín
Colombia	Municipality of Tulua
Costa Rica	Municipality of San José
Ecuador	City of Quito
Ecuador	FLACMA (Latin American Federation of Municipalities)
Mexico	AMMAC (Mexican Association of Municipalities)
Mexico	Mexican Association of Local Authorities
Mexico	FENAMM (National Federation of Municipalities of Mexico)

Paraguay	Municipality of Asunción
Dominican Republic	Dominican Association of Municipalities
Dominican Republic	FEDOMU (Dominican Federation of Municipalities)
Venezuela	Municipality of Caroní

MIDDLE EAST – WESTERN ASIA

Kuwait	Arab Towns Organisation
Lebanon	City of Beirut
Libya	City of Tripoli
Palestine	City of Khan Younis
Palestine	Municipality of Ramallah