SC4C GAIA

What is SC4C GAIA?

The aim of SC4C-Smart Capacities for Cities- GAIA, is to share a comprehensive range of solutions and services according to the principles of innovation, economic and environmental sustainability, that help to obtain greater efficiency, comfort and interactivity for players involved in Smart Cities or Smart Environments (citizens, government, companies, infrastructure, etc.).

Electronics, Information and Communication Technologies play a crucial role in the evolution of these environments towards sustainable, comfortable, interactive and interconnected spaces, enhancing the ability to create, collect, process and transform information in order to make their processes and services better and more efficient, enabling to enhance quality of life through the efficient use of customised resources and services.

All in all, this model promotes Smart Cities to make use of Electronics and ICTs to generate a more safer, smarter and efficient environment for people, reducing costs and saving energy, improving the services provided and the quality of life, and reducing the environmental footprint, all this with the help of innovation and a low carbon economy.

What are Smart Cities?

We define Smart City as a city which makes use of ICT´s to manage infrastructures more efficiently, offer services provided rationally, provide a higher quality of service to citizens, wherein all its players (users, companies and Government) interact with each other to evolve and improve their activity. This interoperability requires the support of smart networks and platforms. It is also a city committed to its surroundings, both environmental and in terms of cultural and historical elements.

In this context, a Smart City is a complex system, an "ecosystem" in which multiple players are involved, wherein many closely linked processes coexist that enable new models of business services, relationship with the surroundings, and provides an excellent platform for innovation and creativity of people.
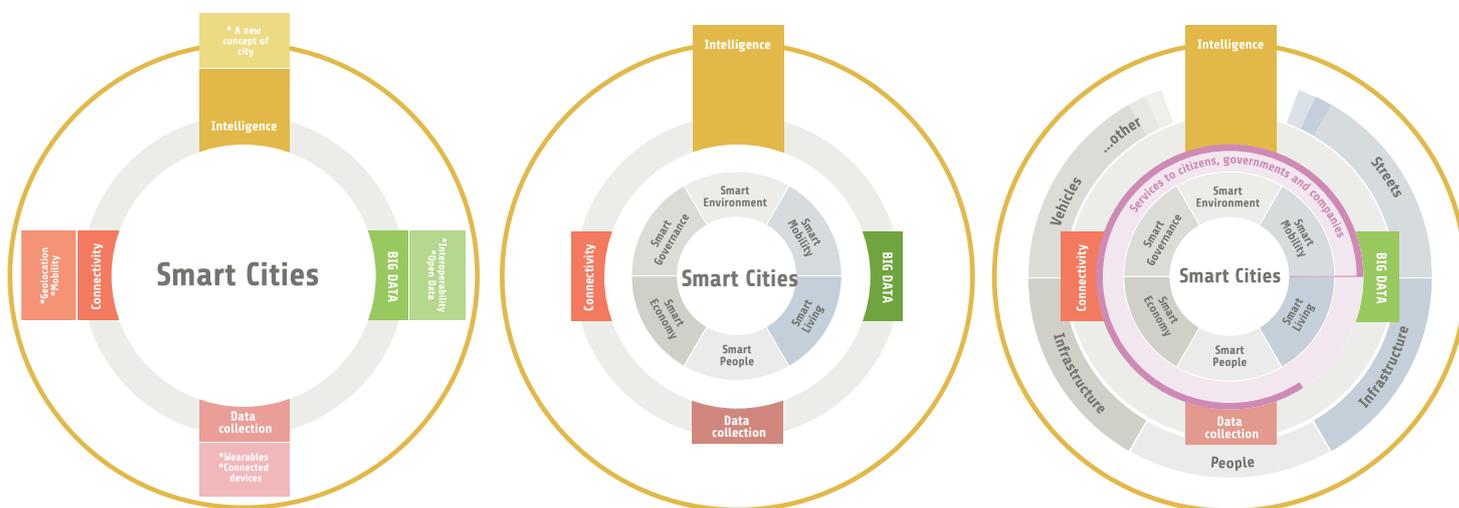
Value chain of Smart Cities

STEP 1: **Creation of necessary Technology Base and Infrastructure. Structural Areas of Opportunity.**

- Data collection (people, buildings, streets, vehicles, infrastructure, ...).
- Transmission of information to complex storage systems BIG DATA.
- Multi-directional communication between devices, systems, people, ...
- Channelling information to data intelligence (systems and applications, data integration, alert systems, decision making aids, ...).

STEP 2: **Identification of different lines or fields of action.**

STEP 3: **Range of Smart Products, Services and Solutions to citizens, governments, companies and players involved.**

Area	**SMART ECONOMY**
Sub-area	**BUSINESS INNOVATION**
Company	SGSmap
Address	Camino Portuetxe, 83 - 2ª Planta - Oficina 6
zip code	20018
Town	Donostia-San Sebastián
Province	Guipúzcoa
Web page	http://www.sgsmap.com/
Email	sgsmap@sgsmap.com
Customer	Cámara de Comercio, Industria y Navegación de Bilbao
Country	Spain
Start date	2000
End date	2002

GIS tool to support the Business Consultancy Service

Bilbao Chamber of Commerce has implemented, with the help of SGSmap consultant engineers, a GIS tool to support the opening of business establishments.

The decision to open a new business should be based on relevant and current information about the current structure and demand for the supply and demand of products and services, and the predicted development. The solution implemented allows access to essential information about the location, characteristics and activities of companies in the Province of Biscay, offering uniform coverage of all businesses, from small personal businesses to large industrial enterprises.

With this solution the Chamber has improved the quality of their information services for citizens interested in starting new businesses.

Area	**SMART ECONOMY**
Sub-area	**COMMUNICATIONS INFRASTRUCTURE**
Company	Sisteplant
Address	Parque Tecnológico de Bizkaia - Edificio 607
zip code	48160
Town	Derio
Province	Vizcaya
Web page	http://www.sisteplant.com/
Email	alarrea@sisteplant.com
Customer	Orange
Country	Spain
Start date	02/2012
End date	06/2012

PRISMA Maintenance Management Software

Use of mobile devices to manage maintenance activities in data procesing centres