

Barcelona

World Cities:Eu-China Regional Policy Cooperation

Brussels, 29 June 2015

Amadeo Jensana

CASA ASIA



Headquarters



Casa Asia Headquarters in Barcelona



**Generalitat
de Catalunya**





Mission



INTERNATIONAL RELATIONS

City-to-City Relations

TWINNING AGREEMENTS

Antwerp	Monterrey
Athens	Montevideo
Boston	Montpellier
Busan	San Francisco
Cologne	St. Petersburg
Dubai	São Paulo
Dublin	Sarajevo
Gaza-Tel Aviv-Jaffa	Shanghai
Istanbul	Tunis
Kobe	Valparaiso
Havana	

FRIENDSHIP & COOPERATION AGREEMENTS

Buenos Aires	Qingdao
Chicago	Quito
Delhi	Rabat
Esfahan	Rio de Janeiro
Guangzhou	San Francisco
Guayaquil	Santiago de Chile
Hong Kong	Seoul
Lima	Shanghai
Los Angeles	Shenzhen
Maputo	Tangier
Medellin	Tel Aviv-Jaffa
Miami	Tétouan
Milan	Toulouse
Ningbo	

INTERNATIONAL RELATIONS

Barcelona hosts a number of international organisations

- Barcelona Centre for International Affairs (CIDOB)
 - Barcelona Institute for International Studies (IBEI)
 - Casa America Catalonia Foundation
 - Casa Asia
 - Centre for International Studies (CEI)
 - City Resilience Profiling Programme – UN Habitat
 - European Forest Institute (EFI)
 - European Institute for the Mediterranean (IEMed)
 - European Parliament Office
 - Global Water Operators' Partnerships Alliance (GWOPA)
 - Ibero-American Centre for Strategic Urban Development (CIDEU)
 - International Association of Educating Cities (AICE)
 - International Observatory on Participatory Democracy (OIDP)
 - International Thermonuclear Experimentation Reactor (ITER)
 - Metropolis
 - Unesco Centre of Catalonia
 - Union for the Mediterranean (UfM)
 - United Cities and Local Governments (UCLG)
 - United Nations Association of Spain (ANUE)
 - United Nations Millennium Development Goals Office
 - United Nations University (UNU)
 - Universal Forum of Cultures Foundation
-

BARCELONA ECONOMY

The economic motor of Spain & Southern Europe

Barcelona Municipal Area represents:

5.1 million inhabitants

25.5 % Spanish exports

18.5% total of Spanish enterprises

automobile	ICT	Logistics
pharma	Biotech	Tourism
food	Energy	Business Schools
Fashion	Design	

BEST port

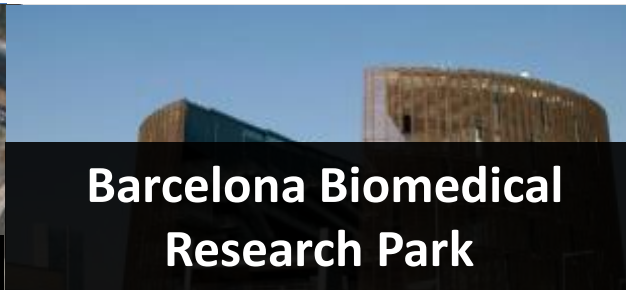
container terminal

SOUTHERN EUROPE'S LARGEST SCIENCE, RESEARCH & INNOVATION HUB

A city driven by an important public-private commitment to technology



Synchrotron Alba



Barcelona Biomedical Research Park




Photonic Science Institute of Barcelona



1.6 %
GDP
in R&D
investment

15 %
of Spain's
Patent
applications

11th
best city in
the world for
scientific
production



National Supercomputing Centre

European Capital of Innovation 'iCapital' Award 2014

Technology as a means to create a city of productive neighbourhoods, at human speed, interconnected, eco-efficient, re-naturalized, energetically self-sufficient and regenerated at zero emissions, inside a high-speed interconnected Metropolitan Area

Making Barcelona...

- ✓ More efficient and sustainable mobility
- ✓ Environmental sustainability
- ✓ Business friendly and a magnet for attracting capital
- ✓ Social integration and cohesion
- ✓ Communication with and proximity to the people
- ✓ Knowledge, creativity and innovation
- ✓ Transparency and democratic culture
- ✓ Universal access to culture, education and health

58 cities from all over Europe applied to become the first European Capital of Innovation. The winning city, Barcelona (Spain), was chosen by a panel of independent experts in a close competition with Grenoble (France) and Groningen (The Netherlands) and awarded during the [Innovation Convention](#) in March 2014.

BARCELONA SMART CITY

Smart City Strategy

22 SMART LOCAL PROGRAMMES

- Telecommunications Network
- Urban Platform
- Smart Data
- Smart Lighting
- Energy Self-Sufficiency
- Smart Water
- Smart Mobility
- Renaturalisation
- Urban Transformation
- Smart Urban Furniture
- Urban Resilience
- Citizenry
- Open Government
- Barcelona in Your Pocket
- Smart Waste Collection
- Smart Regulation
- Smart Innovation
- Healthcare and Social Services
- Education
- Smart Tourist Destination
- Infrastructure and Logistics
- Leisure and Culture



2 SMART INTERNATIONAL PROGRAMMES

- International Positioning
- International Cooperation

Smart City World Expo

19.500 intelligent meters in the Vila Olímpica and 22 @ neighbourhoods

52% of parks have an automated watering system

50 sensors deployed in different Eixample areas to measure estimated urban travelling times

More than 500 hybrid taxis

Urban heating and cooling network of 14km that connects 56 buildings in Forum and 22@ area, 7km and 8 buildings in Zona Franca

240 points of pneumatic waste collection in the 22@ neighbourhood

50,000 households with tele-care service, the majority of users over 75

More than 50 streets with LED lighting, a total of 1155 lampposts. 50% of lighting power is tele-controlled, a total of 1228 tele-controlled electric boards

721 points in the WiFi network

Orthogonal bus network: 17 vertical lines, 8 horizontal lines and 3 diagonal lines. Estimated savings 5% to 10%

Tele-control of 70 ornamental fountains, 35 escalators and 34 lifts

17,91 m²/inhabitant of green surface with a biodiversity of more than 1300 species of vegetation

More than 130 public electric bikes for rent

BARCELONA LOGISTICS

Connected to the world

A world-class airport

- Over **37.5million passengers** in 2014 (10th in Europe)
- More than **130 international destinations**
- Winner of the **best European airport** in 2010

Europe's leading cruise and cargo shipping

- **1st port in Spain in turnover volume** and value of goods.
- **Connected to 850 ports in the world**, and 450 regular consolidated sea lines
- 2.6 million cruise passengers in 2013 (**4th International cruise port**)
- **BEST** cutting-edge **automated container terminal** and Southern Europe's main gateway for Asian container trade

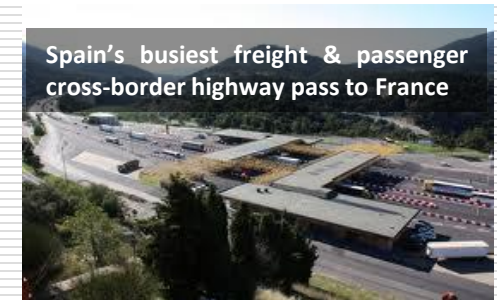
Linked to the European high speed rail network

- Barcelona is a strategic hub for North-South and East-West European corridors
- With an extensive highway network (more than 12,000 Km) connected to Europe & the Maghreb
- **High-speed train connection to Madrid** (13 million passengers in 5 years of service)
- **Only port in the Iberian peninsula connected to the European cargo & high speed train networks**

Linked to the European motorway network

BARCELONA LOGISTICS

Springboard to access Euromediterranean, African, Asian & Latin American Markets



EDUCATION

239,000 students
8 universities within Barcelona Metropolitan Area
23,000 foreign students



2 Barcelona business schools in the European top ten, and 1 in the world's top ten



3rd in Europe
7th in the world



7th in Europe

A PRIVILEGED WORLD TOURIST DESTINATION

Over 7.8 million tourists & over 15.9 million overnight stays in 2014

10,662,134 million museum visitors in 2013

One of the most popular cuisines in the world and over 20 Michelin starred restaurants

First city in the world to receive Biosphere certification for responsible tourism

A unique city destination bringing together a mix of culture, heritage, design, architecture, shopping and beaches close by to the Pyrennees.

1st world city for international meetings and events (ICCA)

BARCELONA ACHIEVEMENTS

- ✓ DESIGNATED WORLD MOBILE CAPITAL 'TIL 2018
- ✓ MOBILE CONGRES
- ✓ GRAND PRIZE WINNER OF THE BLOOMBERG PHILANTHROPIES 2014 MAYORS CHALLENGE FOR THE SOCIAL INNOVATION PROJECT *VINCLES*
- ✓ EUROPEAN CAPITAL OF INNOVATION 'ICAPITAL' AWARD 2014
- ✓ EUROPEAN VOLUNTEERING CAPITAL 2014



BARCELONA

A recognised world brand

- ✓ **City Most Admired for its Urban Development** (*Cities for Citizens, Ernst and Young, 2011*)
- ✓ **1st European City for Quality of Life for Employees** (*European Investment Monitor, 2011. Ernst & Young*)
- ✓ **1st Southern European City** (*European Cities and Regions of the Future, 2012-2013, FDI*)
- ✓ **1st European city for quality of life** (*Cushman & Wakefield, 2011*)
- ✓ **1st city in the world in the holding of international meetings** (*International Congress and Convention Association, 2013*)
- ✓ **2nd European city for best promotion** (*Cushman & Wakefield, 2011*)
- ✓ **2nd European City for Shopper Appeal** (*Global Shopper Cities Index 2011*)
- ✓ **4th Smart City in Europe** (*Fast company, The Smartest Cities in Europe, 2013*)
- ✓ **5th World City in Quality of Life** (*UN-Habitat, State of the World Cities 2012-2013*)
- ✓ **5th City among top 25 Tourist Destinations** (*Travellers' choice. Trip Advisor, 2013*)
- ✓ **6th European city for international tourism** (*2013 Top Cities Destination Ranking 2013*)
- ✓ **6th city in the world with best brand** (*Guardian Cities Barometer, Saffron, 2014*)
- ✓ **7th European city with best perspectives for the future 2014-2015** (*Fdi Cities and Regions of the future 2015/2015, Fdi magazine*)
- ✓ **9th city in the world with best reputation** (*City Rep Track, Reputation Institute, 2014*)
- ✓ **The only city in the world with 9 UNESCO World Heritage sites**