Barcelona

World Cities: Eu-China Regional Policy Cooperation

Brussels, 29 June 2015

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CASA ASIA
Casa Asia Headquarters in Barcelona
Mission

CASA ASIA

↑ Understanding
↑ Relationship

Fields:
- Economics
- Politics and Society
- Education
- Culture
<table>
<thead>
<tr>
<th>TWINSING AGREEMENTS</th>
<th>FRIENDSHIP &amp; COOPERATION AGREEMENTS</th>
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<tbody>
<tr>
<td>Antwerp</td>
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<td>Athens</td>
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<td>Dublin</td>
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<td>Gaza-Tel Aviv-Jaffa</td>
<td>Shanghai</td>
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<td>Istanbul</td>
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<td>Kobe</td>
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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 Municipal Area represents:
- 5.1 million inhabitants
- 25.5% Spanish exports
- 18.5% total of Spanish enterprises

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<th>automobile</th>
<th>ICT</th>
<th>Logistics</th>
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<td>Tourism</td>
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<td>food</td>
<td>Energy</td>
<td>Business Schools</td>
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<td>Fashion</td>
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SOUTHERN EUROPE’S LARGEST SCIENCE, RESEARCH & INNOVATION HUB
A city driven by an important public-private commitment to technology

- Barcelona Biomedical Research Park
- Synchroton Alba
- Photonic Science Institute of Barcelona
- National Supercomputing Centre

15% of Spain’s Patent applications

1.6% GDP in R&D investment

11th best city in the world for scientific production
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

2 SMART INTERNATIONAL PROGRAMMES
- 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

Smart City World Expo

- 50 sensors deployed in different Eixample areas to measure estimated urban travelling times
- 52% of parks have an automated watering system
- 19,500 intelligent meters in the Vila Olímpica and 22@ neighbourhoods
- 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

- 50% of lighting power is tele-controlled, a total of 1228 tele-controlled electric boards
- More than 500 hybrid taxis
- 240 points of pneumatic waste collection in the 22@ neighbourhood
- 721 points in the WiFi network
- Orthogonal bus network: 17 vertical lines, 8 horizontal lines and 3 diagonal lines. Estimated savings 5% to 10%
- More than 130 public electric bikes for rent
- Urban heating and cooling network of 14km that connects 56 buildings in Forum and 22@ area, 7km and 8 buildings in Zona Franca
- More than 50,000 households with tele-care service, the majority of users over 75
- 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
**BARCELONA LOGISTICS**  
**Connected to the world**

### A world-class airport

- Over **37.5 million 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
BARCELONA LOGISTICS
Springboard to access Euromediterranean, African, Asian & Latin American Markets

Only Iberian port connected to the European gauge high speed & cargo rail network

Spain’s 1st port in turnover, linked to 424 ports & a brand new automated container terminal

Spain’s busiest freight & passenger cross-border highway pass to France
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 Pyrenees.

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**