



**Ajuntament
de Barcelona**

BCN Partnership
URBAN RESILIENCE



Barcelona's Experience in Resilience

24th – 25th February 2015 | Sant Pau Art Nouveau Site



PROGRAM

Last update: 15th January 2015

Barcelona's Experience in Resilience

Setting the stage for building resilient cities

Barcelona is one of the major cities in Europe with a strong commitment to building urban resilience. In 2009, and as a response to different hazard-related episodes suffered in the past, Barcelona launched an integrative disaster risk management and failure prevention-focused program, based on stakeholder engagement and cross-departmental working groups.

This working methodology contributed to the recognition of Barcelona as a role model city for infrastructures and Services supply in 2013 by UNISDIR's "Making Cities Resilient Campaign". By the same token, the city was selected as one of the first 10 partner cities taking part in UN Habitat's City Resilience Profiling Programme (CRPP) and to host its headquarters, thanks to a key partnership established with Barcelona City Council and the main stakeholders engaged in the implementation of resilience projects in the city. Only recently, the Rockefeller Foundation selected Barcelona as one of the 100 Resilient Cities network, a position awarded to those cities who have demonstrated a commitment in building their own capacities to navigate the shocks and stresses of an increasingly complex urban environment.

BCN Urban Resilience Partnership

A group of 13 companies and high-level research centres based in Barcelona and with a high level of engagement in the building resilience process have set up a public-private alliance with Barcelona City Council and UN-Habitat's City Resilience Profiling Programme. Its aim is to boost the city's resilience strategy and to foster synergies between them by actively taking part in the working groups of Barcelona's Resilience Boards, constituted in 2009 with the mission of reducing the city's vulnerabilities. The Resilience Boards have been the framework for forging this partnership that, as of today, has resulted in the implementation of several key resilience projects in the city, constituting the foundation of the city's resilience strategy, and the genesis of the recently created Resilience Department.

In the context of this collaboration, the BCN Urban Resilience Partnership is organizing **"Barcelona's Experience in Resilience"**, a two-days event aimed at sharing Barcelona's Resilience model from a multiple stakeholder perspective, deepening in the difficulties and key factors for success, underlining challenges and hoping to exchange the knowledge learned from experience with cities facing similar challenges. Taking a hands-on approach, concrete resilience projects being implemented in the city will be showcased, including site visits. All in all, this event offers a unique opportunity for debating, sharing knowledge and best practice around the challenge of how to make our cities more resilient.

Program

Four forms of interactive sessions will be offered:

[PP] Plenary Panels. Panel sessions that bring experts from cities, international organisations and companies to debate their experiences and approaches to urban resilience.

[TP] Technical Presentations. Presentations panels with a specific focus on projects, experiences, solutions or case studies on urban resilience.

[TW] Technical Workshops. Dynamic working sessions aimed at tackling the main challenges and difficulties cities are facing in building urban resilience.

Site visits – A unique opportunity to see first-hand successful resilience projects and solutions being implemented in Barcelona.

SIDE EVENT| Visit to the Centre of Social Emergencies of Barcelona (23rd and 26th February)

As an optional activity, a visit to the Centre of Social Emergencies of Barcelona is offered to the participants of the “Barcelona’s Experience in Resilience” at no cost. Please see more information at the end of the program .

24th February	
09:00	Registration
	Welcome
10:00	
11:00	PP 1 - BCN Resilience Model
	Coffee break
12:00	
13:00	PP 2 - Resilience Governance
	Lunch
14:00	
15:00	PP 2 - Protection of critical infrastructures
	Coffee break
16:00	
17:00	TP 1 - Planning urban resilience
18:00	
19:00	
20:00	
	Dinner
21:00	

25th February	
09:00	
	TP 2 - Managing urban risk
10:00	
11:00	Coffee break
	Technical workshops and networking sessions
12:00	
13:00	Lunch
14:00	
15:00	
16:00	
17:00	
18:00	
19:00	



24th February

09:00 – 09:30

Registration

09:30 – 10:00

Welcome

- Dan Lewis – Chief Urban Risk Reduction – UN Habitat
- Antoni Vives – Deputy Mayor of Barcelona City Council

10:00 – 11:30

PP 1. BCN Resilience Model

Barcelona has developed a unique and globally recognized model of building resilience based on high stakeholder engagement and cross-departmental working groups. This session aims at explaining how this strategy has been developed, focusing on the three pillars on which the Resilience Department is built on: the Urban Habitat's Operation Centre, the Infrastructure Urban Resilience Boards, and the Situation Room, an information platform to support decision making for risk reduction.

Speakers:

- Manuel Valdes – Deputy Manager – Infrastructure and Urban Coordination – Urban Habitat (Barcelona City Council)
- Xavier Iraegui – Operation Director – Agbar / Pere Malgrat – Urban Drainage Director – Aqualogy
- FERROVIAL (speaker to be determined)
- Dan Lewis – Chief Urban Risk Reduction – UN Habitat

11:30 – 12:00

Coffee break

12:00 – 13:30

PP 2. Resilience governance

Urban vulnerability to shocks and stresses can be mitigated through the implementation of multi stakeholder frameworks and collaborative tools for resilience governance. Successful models and practices include the establishment of strategic alliances with local and international stakeholders, such as public-private partnerships and city networks, which can ensure that cities have the most powerful financial and technical tools to deal with natural and human-induced hazards. Other examples include setting up regulatory frameworks and developing protocols between the private sector and municipalities to improve communication and coordination mechanisms on services delivery in order to reduce incident risks or reaction time for a solution. This session will showcase different projects, initiatives and frameworks to foster resilience in cities.

Speakers:

- City of Bogotá (speaker to be determined)
- Kathryn Vines – Climate Risk Assessment Network Director – C40 Cities
- FCC (speaker to be determined)
- Endesa (speaker to be determined)

13:30 – 14:30

Lunch

14:30 – 15:45

PP 3. Protection of critical infrastructures

Natural hazards, weather volatility, manmade disasters or technical failures of the systems can impair the performance of essential infrastructure networks vital for city life: energy supply, transportation, water and wastewater, telecommunications, social and health services, etc. These systems are interconnected, thus disruptions can easily propagate to other systems and paralyze an entire urban area causing serious social and economical damages. Investment in the resilience of critical infrastructures can help cities reduce losses and ensure operational continuity. This session will present case studies and on-going experiences on the development of novel solutions for the protection of critical infrastructures in the framework of broader city resilience strategies.

Speakers:

- Peter Jeppe Tolstrup – Climate Unit Project Manager - City of Copenhagen
- 100 Resilient Cities - Rockefeller Foundation (speaker to be determined)
- City of St. Petersburg (speaker to be determined)
- Urbaser (speaker to be determined)

15:45 – 16:15

Coffee break

16:15 – 18:00

TP 1. Planning Urban Resilience

This session will showcase specific projects and case studies by the members of the BCN Urban Resilience Partnership in which resilience has been incorporated into urban planning. Some of the topics covered include integration of renewable energies in the energy system via electric mobility, incorporation of environmental concerns in urban works, improvement of resilience levels of existing infrastructures, or proactively plan for looming shocks and stresses associated with climate change, environmental degradation, resources shortages or social inequity.

Speakers:

- Josep Raventós – Resilience Department Manager – BAC
- Álvaro Nicolas – Consultant – anteverti
- Luís Suárez - Site Manager of the Demolition Project of the Plaça de les Glòries ring road – ACSA
- Miguel Angel Gago Lara – Projects Director, Urban Networks Division – Grupo Tysa
- FCC (speaker to be determined)
- Urbaser (speaker to be determined)
- Ferrovial (speaker to be determined)

20:00 – 21:00

Welcome Dinner

Reception **offered by Barcelona City Council** at the City Hall

25th February

09:00 – 10:30

TP 2. Managing Urban Risk

This session will showcase specific projects and case studies by the members of the BCN Urban Resilience Partnership on hazard assessment and risk management. Some of the topics covered include policies to deal with climate change impacts such as flooding and droughts, near real-time earthquake simulations, computational explosion hazards assessment, the role of urban platforms and control centres for risk assessment and support services to the management of crisis.

Speakers:

- Beniamino Russo – R&D+i Project Manager – Aqualogy Urban Drainage Direction
- Endesa (speaker to be determined)
- Francisco Zárate – Associate Professor – CIMNE
- Josep de la Puente – Geophysical Applications Group Leader - BSC
- Ignasi Fontanals – CEO – OptiCits
- Elisabet Viladomiu – Director of Resilience and Entrepreneurship Division – Institut Cerdà

10:30 – 11:00

Coffee Break

11:00 – 12:30

Technical workshops and networking sessions

(topic of the technical workshops to be determined)

12:30 – 14:00

Lunch

14:00 – 19:00

Site visits

OPTION A

1. Baix Llobregat **wastewater treatment** plant /Aqualogy-AGBAR
2. Common **power supply station of CNG** for urban buses and cleaning services / FCC
3. **Power supply station** for electric and CNG vehicles / FERROVIAL

OPTION B

4. **Control and electrical network management centre** / ENDESA
5. **Photovoltaic power supply station** for urban service vehicles / URBASER
6. **Rainwater retention tank** / BCASA, Barcelona City Council

Site visits map:



SIDE EVENT | Visit to the Centre of Social Emergencies of Barcelona

The Centre of Social Emergencies of Barcelona is **a service provided by the City Council of Barcelona to people in situations of social emergency**. The centre is open 24/7 365 days a year and has a team of 60 people composed mainly of psychologists and social workers.

This service is targeted at:

- ❖ Elderly people and children
- ❖ Women who are victims of gender violence
- ❖ Families or individuals needing accommodation following accidents (fire, explosions, etc.)
- ❖ Citizens in financial difficulties that need immediate help

After the immediate emergency has been addressed, individuals and families are referred to the network of municipal social services or other specialised services.

The Centre of Social Emergencies works in **close coordination with other municipal services** such as the Firemen, the Police or the Medical Emergencies service.

CUESB has potential accommodation for 100 people to cover sudden loss of housing. The centre has an overnight shelter service as well, which is offered to the homeless in cases of severe temperature drops.

CUESB service has the following characteristics:

- ❖ Cross-cutting and coordinated service
- ❖ Psychosocial intervention
- ❖ **Resilience-oriented approach:** “Provide support to people to help overcome problems as soon as possible”
- ❖ Cooperation with other cities within the Barcelona Metropolitan Area.
- ❖ Modern facilities to deal with extreme situations

This optional visit is offered at no cost on the following days and times in two shifts:

23rd February 2015: 15h and 17h

26th February 2015: 10h and 12h

Please note that there is a limited capacity of 25 people per shift, which will be allocated on a first-come, first-served basis.

If you are interested in this side event, please contact our technical secretariat:

marta.galceran@anteverti.com



HOW TO GET THERE

Centre d'Urgències i Emergències Socials de Barcelona (CUESB)
c/ Llacuna, 25-31 | METRO(L4): Llacuna





**Ajuntament
de Barcelona**

BCN Partnership
URBAN RESILIENCE



Contact us:

Should you have any questions or need any assistance with registration, please contact us.

Registration office

E-mail: bcnresilience@barter.es

Phone (+34) 934 097 482

Mon-Fri. 09:00 am – 18:00pm

Technical secretariat

E-mail: marta.galceran@anteverti.com

Phone (+34) 931 651 660

Mon-Fri. 09:00 am – 18:00pm



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