Barcelona’s Experience in Resilience
24 – 25 February 2015 | Sant Pau Art Nouveau Site

PROGRAM
Last update: 24th February 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 UNISDR’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 and Networking Sessions – 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

09:30 – Welcome [Sala Francesc Cambó]
  - Dan Lewis – Chief Urban Risk Reduction – UN Habitat
  - Antoni Vives – Deputy Mayor of Barcelona City Council

10:00 – PP 1. BCN Resilience Model [Sala Francesc Cambó]
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:
  - **Building a Resilience Strategy. Barcelona’s Social Resilience Model**, by Manuel Valdes – Deputy Manager – Infrastructure and Urban Coordination – Urban Habitat (Barcelona City Council) / Isabel Ferrer – Head of the Department of Social Emergencies – Barcelona City Council
  - **Flood resilience experience in the Barcelona Metropolitan Area (AMB)**, by Pere Malgrat – Urban Drainage Director – Aqualogy / **Resilience as a tool in the water supply system of AMB**, by Ramon Creus Rodríguez – Director of Operations Support – Agbar.
  - **Enhancing Resiliency through Urban Innovation**, by Iñigo Jodra Uriarte – Centre of Excellence for Cities Director - Ferrovial Services
  - **Urban Resilience in the Global Agenda**, by Dan Lewis – Chief Urban Risk Reduction – UN Habitat

11:30 – Coffee break

12:00 – PP 2. Resilience governance [Sala Francesc Cambó]
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 Governments: the heart of urban resilience**, by Kathryn Vines – Climate Risk Assessment Network Director – C40 Cities
  - **How to provide support to the development of resilient cities from the perspective of a public service management company**, by Catherine Milhau – Director of the Department of Coordination and Development – FCC
  - **Contributing to Barcelona’s Resilience**, by Susana Pascual García – Sustainability responsible – ACEFAT / Josep Maria Miranda Garuz – Managing Director – ACEFAT
PP 3. Protection of critical infrastructures [Sala Francesc Cambó]
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 and 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:
- **Climate change adaptation - Experiences from Copenhagen**, by Peter Jeppe Tolstrup – Climate Unit Project Manager - City of Copenhagen
- **Critical Infrastructure: a Tale of Two Blackouts**, by Vikram Singh – Associate Director for City Relationships - 100 Resilient Cities, pioneered by the Rockefeller Foundation
- **Urbamet – a tool to adapt urban services provision using an accurate weather forecast**, by Oriol Puig Godes – Director - Meteorological Service of Catalonia (SMC), on behalf of Urbaser
- **Panama towards sustainability**, by Raisa Banfield – vice mayor of Panama

TP 1. Planning Urban Resilience [Sala Francesc Cambó]
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.

Topics and speakers of the technical presentations:
- **Computational analysis of explosion risk affecting urban environment and building**, by Ignacio Valero – Civil Engineer and researcher – CIMNE
- **Demolition Project of the Plaça de les Glòries ring road**, by Luís Suárez - Site Manager of the Demolition Project of the Plaça de les Glòries ring road – GRUPO SORIGUÉ-Acsa
- **Mainstreaming global city needs: the role of global thinking in the design of infrastructures**, by Josep Raventós – Resilience Department Manager – BAC
- **Smart Cities will bring more resilient cities**, by Álvaro Nicolas – Consultant – anteveri
- **Electric vehicles in an urban environment. The FCC experience**, by Jesús Pajares Blázquez – Machinery department director - FCC
- **The role of electric vehicles as an asset for the resilient city**, by Juan Luis Plá de la Rosa – External & Government Affairs Manager at Nissan, on behalf of Urbaser
- **Contribution to city resilience of an integral service provider**, by Mark Saunders – UK Projects Director, Centre of Excellence for Cities – Ferrovial Services

Welcome Dinner
Reception offered by Barcelona City Council at the Mies van der Rohe’s Barcelona Pavilion.
No shuttle bus is provided. Please see at the end of the program instructions on how to get there using public transport.
TP 2. Managing Urban Risk [Sala Francesc Cambó]

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:
- **Urban Resilience to Extreme Weather Events. Barcelona Metropolitan Area, by Miguel Angel Gago Lara – Projects Director, Urban Networks Division, Urban Resilience Unit – Grupo TYPSA**
- **Near real-time earthquake simulations: urgent supercomputing for disaster resiliency, by Josep de la Puente – Geophysical Applications Group Leader - BSC**
- **Urban platforms and control centers to assess and manage urban resilience, by Ignasi Fontanals – CEO – OptiCits**
- **S5gC: a business collaboration initiative to improve resilience in cities, by Elisabet Viladomiu –Division of Resilience Services and Entrepreneurship Director – Institut Cerdà**
- **New policies to deal with climate change impacting on resilience to flooding in urban areas, by Beniamino Russo – R&D+i Project Manager – Aqualogy Urban Drainage Direction**
- **eWise: Means Prevention, by Juan Ramón Mesa Díaz – Information Systems Director – ACEFAT**

**Coffee Break**

**Technical workshops and networking sessions [Rooms 1,2,3,4]**

**Room 1 – Workshop led by C40:** “Aligning city and business resilience actions”.
**Room 2 – Workshop led by Rockefeller Foundation:** “100 RESILIENT CITIES: The Value of a Broad Resilience Lens”.
**Room 3 – Workshop led by UN-Habitat CRPP:** “An Urban Systems Approach for Resilience”

**Room 4 – Networking sessions**
- **Urban Resilience Management – how to do it? – led by OptiCits**
- **Examples of Planning and Design for reducing exposures to extreme weather phenomena in Barcelona Metropolitan Area – led by Grupo TYPSA**
- **The role of high-performance computing, big data, and semantic technologies in improving resilience – led by BSC**

**Lunch [Sala Hipóstila]**

**Site visits**

There are two options available that include three site visits each. A shuttle bus will be provided, departing from Sant Pau Art Nouveau Site at 14h and returning to the departure point at 19h. Please note that there is a limited capacity of 40 people per bus, which will be allocated on a first-come, first-served basis. Please find more information on the site visits below.
OPTION A

1| **Wastewater Treatment Plant**, by Aqualogy-AGBAR
Address: Avinguda de l’Estany de Port, s/n. Polígon pratenc, 08820, El Prat de Llobregat

The Baix Llobregat Wastewater treatment plant is one of the biggest and most modern treatment plants in Europe. It treats wastewater from a total population of around 1.7 million inhabitants, with a treatment capacity of 315,000 m³/day. The plant includes one of the most important water reclamation stations over the world, applying a tertiary treatment of osmosis and ultra-filtration. The out-coming water quality allows to it to be infiltrated to the Llobregat aquifer, which increases water resources in the Metropolitan Area of Barcelona, contributing to prevent the aquifer from saline intrusion. This facility is a very important tool to fight against droughts.

2| **Common power supply station of electric vehicles and CNG for FCC’s services fleet of vehicles**, by FCC
Address: Polígon Industrial de la Zona Franca, sector B, carrer D, 49-51, 08040, Barcelona

Visit to the common power supply station of electricity and CNG for the cleaning and waste collection service vehicles of the Central Area of Barcelona. Includes a visit to a wastewater treatment plant of grey water.

3| **Power supply station for electric and CNG vehicles and Specific emergency plan in case of snowfall**, by FERROVIAL
Address: Poligón Industrial de la Zona Franca, sector B, carrer B, 16-22, 08040, Barcelona

Visit at Ferrovial Servicios facilities in Zona Franca, which will include:
- Power supply station shared facility - the companies operating the city of Barcelona cleaning and
collection, plus Transports Metropolitans de Barcelona, have agreed to provide to each other energy power, in case of interruption of their own facilities, in order to keep the services running.
- Snowfall emergency plan to coordinate the different teams, responsibilities, training and providing the necessary equipment.

**OPTION B**

4| **Photovoltaic power supply station for urban service vehicles**, by URBASER  
Address: Fra Juniper Serra 75, 08030, Barcelona  
RECARGO project is the result of continuous research and innovation. To extend battery life for disused electric cars, they are used to store solar energy captured by photovoltaic solar panels installed in Urbaser Central Park, and afterwards supply power to the fleet of electric vehicles. The recharge area has 4 stations of slow and semirapid charging. The electricity that has not been used for charging electric vehicles can be used to supply offices. Besides, URBASER facilities have more than 70 smart charging points for electric vehicles.

5| **Rainwater retention tank**, by BCASA, Barcelona City Council  
Address: Av. de l'Estatut de Catalunya s/n, 08035, Barcelona  
Rainwater retention tank located in the Rieres d’Horta Park of Barcelona. The visit aims at explaining how this rainwater retention tank works. This facility is continuously coordinated with the Central Operations Centre of the company that regulates the complete water cycle in Barcelona.

6| **Control and electrical network management centre**, by ENDESA  
Address: Av. Vilanova 12, 08018, Barcelona  
Includes a visit to the central headquarters of Endesa, to the eParking office of Endesa’s Central Catalonia Division of Distribution (which includes 30 charging points for electric vehicles), and to the Control Centre that manages Endesa’s high-, medium- and low-voltage power grid in Catalonia.
Speakers Profile

PP 01 – BCN Resilience Model

Manuel Valdes - Deputy Manager of Infrastructure and Urban Coordination of Urban Habitat, Barcelona City Council
Civil Engineering and Master of Science in Engineering from the Moscow’s Institute of engineers of Railway Transport, (MIIT) in 1990, and recognized as equivalent of European civil engineer degree in 1997. Ph.D. at Barcelona’s Civil Engineering School (ETSECCPB) in 1997. Degree in PADE (Senior Management Program) from IESE in 2010. Manuel Valdés López, 1966. Deputy Manager of Infrastructures and Urban Coordination at Barcelona City Council since 2012, he is responsible for the areas of: Energy Self-sufficiency, Services supply coordination, Transportation networks, Coordination of public works in the public space, Urban resilience and Innovation. Formerly Executive Director of Infrastructures and Public Space since 2006.

Isabel Ferrer – Head of the Department of Social Emergencies, Barcelona City Council

Pere Malgrat - Urban Drainage Director, Aqualogy
His 30 years of professional experience has been related to planning, project, works, exploitation and maintenance of urban drainage systems, including new smart technologies. Between its works it could be remarked Plans and Projects in Barcelona, Madrid, Lisbon, Oran, Santiago de Chile, etc. He is the president of urban drainage commission of AEAS (Spanish Association of Water companies) and coordinator of urban drainage issues in EUREAU(European Association).

Ramon Creus Rodríguez - Director of Operations Support, Agbar
Ramon Creus is the current Director of Operations Support in Agbar. In the performance of his duties, he is the responsible for managing the bulk water supply in Barcelona and its metropolitan area and providing the technical information for a wide overview of the water supply strategy. Ramon is an engineer with a master degree in global managing of water cycle from the Polytechnic University of Catalonia. He has attended Agbar customized training program in Business Administration by ESADE Business School. Ramon has seventeen years of experience in water utilities, and before his current position he fulfilled his duties as Operations controller supporting the Director of Operations of Agbar.

Iñigo Jodra Uriarte- Centre of Excellence for Cities Director, Ferrovial Services
He started his professional career at The Boston Consulting Group, where he worked on projects in Europe and the Americas. Subsequently he has led Strategy, Corporate Development and International Development areas in multinational companies of different sectors, including Ferrovial Services. In his current position, he is responsible for developing and delivering innovative business models and solutions in the urban services space. He holds a Bachelor of Science degree in Economics and Business Administration from Deusto University and a Master in Business Administration degree from Insead.
Dan Lewis - Chief Urban Risk Reduction, UN Habitat
Chief of the Urban Risk Reduction Unit at UN-Habitat, United Nations Human Settlements Programme, Dan is currently leading the Barcelona based City Resilience Profiling Programme focusing on providing governments with tools for measuring and increasing resilience to multi-hazard impacts.

PP 02 – Resilience Governance

Duván Hernán López Meneses - Deputy Technical director of the Distrital Institute for Risks and Climate Change Management, City of Bogotá
Geologist specialized in Environmental Management and Disaster Prevention, with experience as a consultant in project engineering, environment and spatial planning. He has been an activist for environmental issues, namely promoting water recovery policies. He holds a master in Environmental Sciences from the National University of Colombia and a Contemporary Philosophy degree from the University of Granada in Spain. He was a professor at the Universidad del Rosario in Bogotá until 2012, when he assumed his current role in the City Government of Bogotá.

Kathryn Vines - Climate Risk Assessment Director, C40 Cities
Katie Vines convenes a network of cities working together to identify, understand and manage their climate change vulnerability and develops research and tools to support their efforts. Prior to joining C40 Katie worked in government in Australia where she collaborated with communities, local governments, researchers and public and private organisations on building adaptive capacity.

Catherine Milhau – Director of the Department of Coordination and Development, FCC
Catherine Milhau Agronomical Engineer Chief management of coordination and development department of FCC Environment Spain A professional career with more than thirty years of experience in various activities of the public services management sector since December 1999 in the Spanish company FCC, after 18 years as collaborator of the French multinational (Veolia Environment ) engaging in the provision of services in the field of urban solid waste and industrial use similar to urban waste collection and treatment.

Susana Pascual García - Head of Sustainability – ACEFAT
Graduated in Environmental Sciences (Autonomous University of Barcelona). Her field of expertise is Management Systems, Social Responsibility and Environmental Awareness. At ACEFAT, she is responsible for Quality, Environment and Ethics of the Integrated Management System and Social Responsibility. Besides, Mrs. Pascual is the current president of the COAM (College of Environmentalists of Barcelona), as well as member of the Urban Habitat Advisory Council of the City Council of Barcelona, and member of the Citizen Council for Sustainability of the Barcelona City Council.

Josep Maria Miranda Garuz – Managing Director – ACEFAT
Civil Engineer (UPC). Environmental Engineering, Urban Planning and Hydraulic expert. MBA (Polytechnic University of Madrid). Diploma in Management (IESE). He previously worked for FCC and ACS in projects related to water cycle and construction. In 1990 he was commissioned to create ACEFAT. Under Mr. Garuz leadership, ACEFAT has been awarded for its contribution to sustainability, environmental and CSR initiatives. Mr. Garuz is also Member of the Advisory Board Dean of the Telecommunication Engineers Institution of Catalonia (COETTC) and Member of the Barcelona’s Citizen Council for Sustainability.
PP 03 – Protection of critical infrastructures

Peter Jeppe Tolstrup, Climate Unit Project Manager, City of Copenhagen

Mr. Peter Jeppe Tolstrup, Msc. business administration and Psychology, Project Manager, Climate adaptation, Technical and Environmental Administration, Municipality of Copenhagen. Mr. Tolstrup has years of experience in integrated urban planning, across sectors and professional disciplines. Since 2012, Mr. Tolstrup has been a part of the Copenhagen Climate Adaptation Team, which is a group of more than 12 highly skilled professionals working in the city administration, responsible for the development and implementation of the Copenhagen climate adaptation and the Cloudburst plan. Mr. Tolstrup serves among other tasks as responsible for public and private partnerships in regard to the implementation of the Climate adaptation plan, as well as he has the overall responsibility for economic and financial issues in the team.

Vikram Singh, Associate Director for City Relationships, 100 Resilient Cities

Vikram Singh joined 100 resilient Cities from the United Nations Development Programme, where he held key policy positions including the establishment of the organization's first Enterprise Risk Management framework. Most recently he was charged with developing strategic funding strategies in the areas of poverty reduction, resilience building and income inequality issues delivering $5 billion per year in combined resources. In this capacity he oversaw partnerships/constituencies including senior political figures (Head of State and cabinet level), multilateral institutions and IFIs like the European Commission, civil society, and private sector partners. He holds both a Bachelor's degree in Finance & Economics and an M.B.A. from The George Washington University.

Raisa Banfield, Vice Mayor of Panama

Vice mayor of Panama, currently responsible for the Implementation of New Projects for the Development of the City of Panama. Mrs. Banfield holds a BA in Architecture from the University of Panama and was the founder and Director of the Architecture & Design firm RGB S.A. (1994-2007). Mrs. Banfield is also an environmental activist who has voiced strongly for the protection of the ecosystems at risk in Panama. While actively involved in the protection of the environment, she was the co-founder and Executive Director of CIAM (Centre of Environmental Impact) (2007-2010); ex-activist and co-founder of Pro-City Alliance (2010), the Committee for the Defence of Camino de Cruces Park and other communitarian organizations, and Coordinator and Producer of the TV Programme Our Planet (2010).

Oriol Puig Godes – Director of the Meteorological Service of Catalonia (SMC)

Degree in Physics, specialty Physics of the Air (University of Barcelona, 1986). Master in Meteorology and Air Pollution (University of Barcelona, 1989). Air pollution and weather Professor at the Institute of Science and Technology, associated with the School of Industrial Engineering of Barcelona (1990-1996). Before becoming the director of the Meteorological Service of Catalonia he held other positions in the Catalan administration such as technician at the DG Public Health of the Government of Catalonia, Chief of Air Pollution and Deputy Director General of Meteorology and Air Pollution.

TP 01 – Planning Urban Resilience

Ignacio Valero – Civil Engineer and researcher at CIMNE

Ignacio is currently Manager of Technology Transfer at CIMNE (International Center for Numerical Methods in Engineering). Associate Professor at the UPC (Universitat Politècnica de Catalunya) since 1994, he has extensive experience in various fields of building sector in Spain.

Luis Suarez - Site Manager of the Demolition Project of the Plaça de les Glòries Ring Road. Grupo Sorigué – acsa.

Josep Raventós - Resilience Department Manager – BAC
Geologist, Master in geotechnical and specialized in geotechnics and auscultation. His professional career has revolved around geotechnical and underground works in urban settlements, and hence exactly his interest in resilience: the need to control and minimize the risk in operations that may be critical together with the monitoring of specific geotechnical and structural parameters of both the operation itself and the environment in which it develops. So Josep's personal view on resilience is that we need to implement systems and models to measure certain parameters in cities that allow us to move towards an environment of continuous improvement.

Álvaro Nicolás – Consultant - anteverti
Alvaro Nicolás Loscos is a Civil Ports Engineer (UPC 2003) specialized in strategic planning of cities and mobility, Master of Urban Planning International (the Bartlett School of Planning, 2007). Currently working for anteverti, he has participated as a consultant in several Smart City strategic plans and he is the congress coordinator for the Smart City Expo World Congress. Committee member of Urban planning of the Civil Engineering College of Barcelona.

Jesús Pajares Blázquez – Machinery department director, FCC
Industrial Engineer specialized in machinery mechanics from the Polytechnic University of Madrid, Superior Technical School of Industrial Engineers. Versatile professional, used to work on a goal-driven basis and with technical-economic responsibility in procurement of equipment. He has proven experience in defining and developing (special areas of R + D + I) complex projects and the management of teams in multinational environments. Head of Department of Environment Machinery Fomento de Construcciones y Contratas (FCC) since 2006.

Juan Luis Pla – External & Government Affairs Manager at Nissan
Mining Engineer and graduated in Business Administration from the Polytechnic University of Madrid. Expert in public aid programs in energy efficiency and renewable energies. For eight years he was responsible of the Department of Transportation of IDEA carrying out the implementation of multiple energy efficiency initiatives in the sector, including launching the MOVELE Program, aimed at fostering EV in Spain, as well as the PIVE renovation plans. Since 2014 he is responsible for institutional relations of Nissan Motor Iberica, a market leader EV company.

Mark Saunders - UK Projects Director, Centre of Excellence for Cities, Ferrovial Services
In his current role he is responsible for Ferrovial Services’ urban innovation programme in the UK. Before joining Ferrovial Services, he held managerial positions in multinational corporations in a number of different industries, holding leadership roles within business, local and national government groups related to innovation, sustainable development, low carbon and renewable energy. He holds an MA in Biology Sciences with honors from Oxford University and an MBA degree from Henley Management College.

TP 02 – Managing Urban Risk

Josep de la Puente - Geophysical Applications Group Leader - BSC
Born in Barcelona, graduated in Physics at the University of Barcelona. Obtained his Ph.D. in Earth Sciences at the University of Munich. His professional activity focuses on modelling the properties of the Earth's subsurface with the help of supercomputers. He has a particular interest in the fields of hydrocarbon exploration and earthquake simulation.

Ignasi Fontanals – CEO, OptiCits
CEO at OptiCits, a start-up at Universitat Ramon Llull that helps city experts to assess and manage Resilience of urban services & infrastructures providing companies and cities with a software and a partnership program to develop their solutions for the city. He is member of the City Protocol Task Force and the BCN Urban Resilience Partnership for the City Resilience Profiling Programme - UN Habitat. City pioneer introducing smart technologies to manage urban services, he has engineering
applied experience and a background in urban services development. He holds a Diploma in International Business (MIBP) with the Grenoble Business School and Universitat Autònoma de Barcelona and a MBA. He attended IQS Environment and Energy Efficiency education and he is doing his investigation in resilience & city management at the IQS-Universitat Ramón Llull.

Elisabet Viladomiu – Division of Resilience Services and Entrepreneurship Director – Institut Cerdà
Degree in Physics from the University of Barcelona and Master in Technology and Environmental Engineering from the Universitat Politècnica de Catalunya. She began her professional career in 1997 at Institut Cerdà as a consultant, where she has been director of the Energy and Climate Change Division. She is the current head of Crisis Management Support Services of Institut Cerdà, and is actively engaged in the management of Energy Efficiency Entrepreneurs initiative of Repsol Foundation. Mrs. Viladomiu is an expert in energy and environment, crisis management and risk assessment, and resilience. She is a Business Resilience Auditor recognized by the Business Resilience Certification Consortium International. She has worked for major energy companies both in Spain and internationally.

Beniamino Russo – R&D+i Project Manager, Aqualogy Urban Drainage Direction
PhD Civil engineering, R&D+i project manager of the Aqualogy Urban Drainage Direction. Full professor of Hydraulics and Hydrology at the Technical College of La Almunia (University of Zaragoza, Spain) and Coordinator of the degree in Civil Engineering. Author of more than 50 papers in JCR indexed journals and international Conferences proceedings in the field of flood risk and urban drainage.

Miguel Angel Gago Lara - Projects Director, Urban Networks Division, Urban Resilience Unit – Grupo TYPSA
Engineer specialized in hydrology and hydraulics. During his 21-years professional career he has worked for several public administrations in several planning works, notably related to advanced urban hydrology and urban drainage management. He has been invited as speaker to several conferences on Urban Drainage, Flood Risk, workshops on water landscapes, legislation and flooding in urban areas. Mr. Gago has lectured in the Universitat Politècnica de Catalunya and in the Catalan Association of Friends of Water. Mr. Gago is currently the projects director of the Urban Networks Division and coordinator of Resilience projects in TYPSA.

Juan Ramón Mesa Díaz - Information Systems Director – ACEFAT
Juan Ramón is Computer Engineer (UAB) and holds a Master in IT Management (URL) and a postgraduate degree in GIS (UPC). He is the current Information Systems Director of ACEFAT. He also collaborates with the Open University of Catalonia (UOC) in his capacity as tutor of the Geographic Information Systems postgraduate studies.
Welcome dinner at Mies van der Rohe’s Barcelona Pavilion

Reception offered by Barcelona City Council at the Mies van der Rohe’s Barcelona Pavilion.

Address: Av. Francesc Ferrer i Guàrdia, 7 08038 Barcelona

How to get there (from the workshop’s venue)

Take the metro L5 (blue) at Sant Pau-Dos de Maig towards Cornellà Centre. Stop at Sants Estació and take metro L3 (green) towards Trinitat Nova. Stop at Espanya.

The Barcelona Pavilion, an emblematic work of the Modern Movement, has been exhaustively studied and interpreted as well as having inspired the oeuvre of several generations of architects. It was designed by Ludwig Mies van der Rohe (1886-1969) as the German national pavilion for the 1929 Barcelona International Exhibition.

After the closure of the Exhibition, the Pavilion was disassembled in 1930. As time went by, it became a key point of reference not only in Mies van der Rohe’s own career but also in twentieth-century architecture as a whole. Given the significance and reputation of the Pavilion, thoughts turned towards its possible reconstruction.

In 1980 Oriol Bohigas, as head of the Urban Planning Department at the Barcelona City Council, set the project in motion, designating architects Ignasi de Solà-Morales, Cristian Cirici and Fernando Ramos to research, design and supervise the reconstruction of the Pavilion.

Work began in 1983 and the new building was opened on its original site in 1986.

Source: Fundació Mies van der Rohe

Interior escultura © Pepo Segura – Fundació Mies van der Rohe
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
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

Follow us and stay tuned:
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Host organizations:

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