

# smart island WORLD CONGRESS

  
Fira Barcelona

smart city expo  
WORLD CONGRESS

20-21 APRIL 2017  
CALVIÀ, MALLORCA

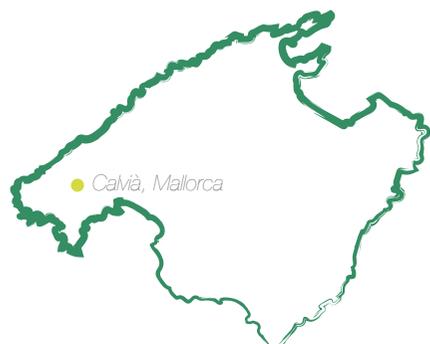
Report 2017

# POWERING ISLANDS IN THE GLOBAL ERA

[www.smartislandcongress.com](http://www.smartislandcongress.com)

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## MELIÁ HOTELS INTERNATIONAL

“Meliá Hotels International feels very proud of having been official event host and Global Sponsor of the 1st Smart Islands Congress, a truly innovative scientific approach to the reality of the islands as Tourism destinations, which are especially sensitive to social and environmental risks.

As an active agent of the transformation of Magaluf, from a mature destination, into a successful story, thanks to the extensive renovation and repositioning of 11 hotels and over 20 F&B outlets in the área, and to long-term, trust-based collaboration with the Authorities, I can say that this is the right way to go in order to achieve a sustainable development for the Islands through the tourism industry. My deepest congratulations to the SIWC organization and to the Calvià Municipality.”

### Mark Hoddinott

Chief Real Estate Officer - Meliá Hotels International



## ORANGE

“Orange’s participation in SIWC was extremely valuable for us as it enabled us to get first-hand information on the needs associated with the management of islands as tourism resources and bring them our Smart Data solutions for mobility and tourism. The quality and quantity of contacts made far exceeded our expectations, and we look forward to a rapid return on our investment. Everything was backed up by excellent organisation which constantly helped us to achieve our objectives.”

### Francisco José Huidobro

Regional Sales Director - Orange España



## MICROSOFT

“SmartIslands made possible to gather more than 100 world islands to share their future strategies around Digital Transformation. It was impressive to see how people and islands from 5 continents were discussing on common issues and how to become more attractive for citizens and visitors, without compromising the sensitive insular conditions. Congratulations to SIWC 2017 organizers for the hard Work and very successful event.”

### José Antonio Ondiviela

Western Europe Industry Solutions Executive - Microsoft

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## Smart Island World Congress

20 – 21 April 2017 in Calvià, Mallorca

The Smart Island World Congress was a spin-off of the international Smart City Expo World Congress, which was held for the first time from 20 to 21 April in Calvià, Mallorca. The event was organised by the City of Calvià, the General Council of Mallorca and Fira de Barcelona, with the support of the Government of the Balearic Islands and UN-Habitat.

This event's predecessor was the Smart City Expo World Congress, an annual B2B event that has been held in Barcelona since 2011. After six congresses it has been established as the world's leading event on innovation and urban solutions.

Given its success and internationalisation, in 2013 Fira de Barcelona launched the development of local events around the world to meet the needs of each region.

Smart Island World Congress was founded with the aim of being the first international event on technology and innovation, focused on the economic and sustainable development of islands.

# KEYNOTE SPEAKERS

## José Luis Rodríguez Zapatero

Former President of the Spanish Government

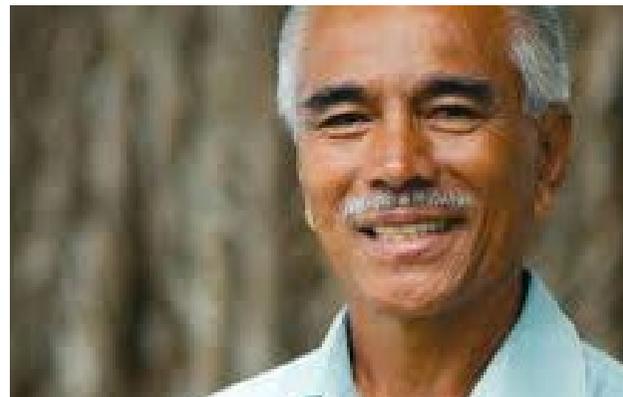
Former Spanish Prime Minister from 2004 to 2011. Member of the Club de Madrid, the International Commission Against the Death Penalty and a Patron of the World Sustainable Development Forum. In Spain he is President of the Spanish Socially Responsible Public Procurement Forum and patron of CERMI Mujeres.



## Anote Tong

Former president of the Kiribati Island - NGO

Former president of Kiribati, he is a global advocate on climate change and environmental protection, mainly rising sea levels and environmental refugees. Tong directed Kiribati's purchase of approximately 20 square kilometres of land in Fiji in 2014 as a contingency refuge for his people. President Tong has been awarded leadership and environmental prizes for his work both in environmental protection and his advocacy on climate change and its effects.



## Parag Khanna

Managing Partner - Hybrid Reality Pte Ltd.

Parag Khanna is a leading global strategist, world traveller, and best-selling author. He is a Senior Research Fellow in the Centre on Asia and Globalisation at the Lee Kuan Yew School of Public Policy at the National University of Singapore. He is also the Managing Partner of Hybrid Reality, a boutique geostrategic advisory firm, and co-founder and CEO of Factotum, a leading content branding agency.



# CONGRESS PROGRAM

Thursday 20 April 2017

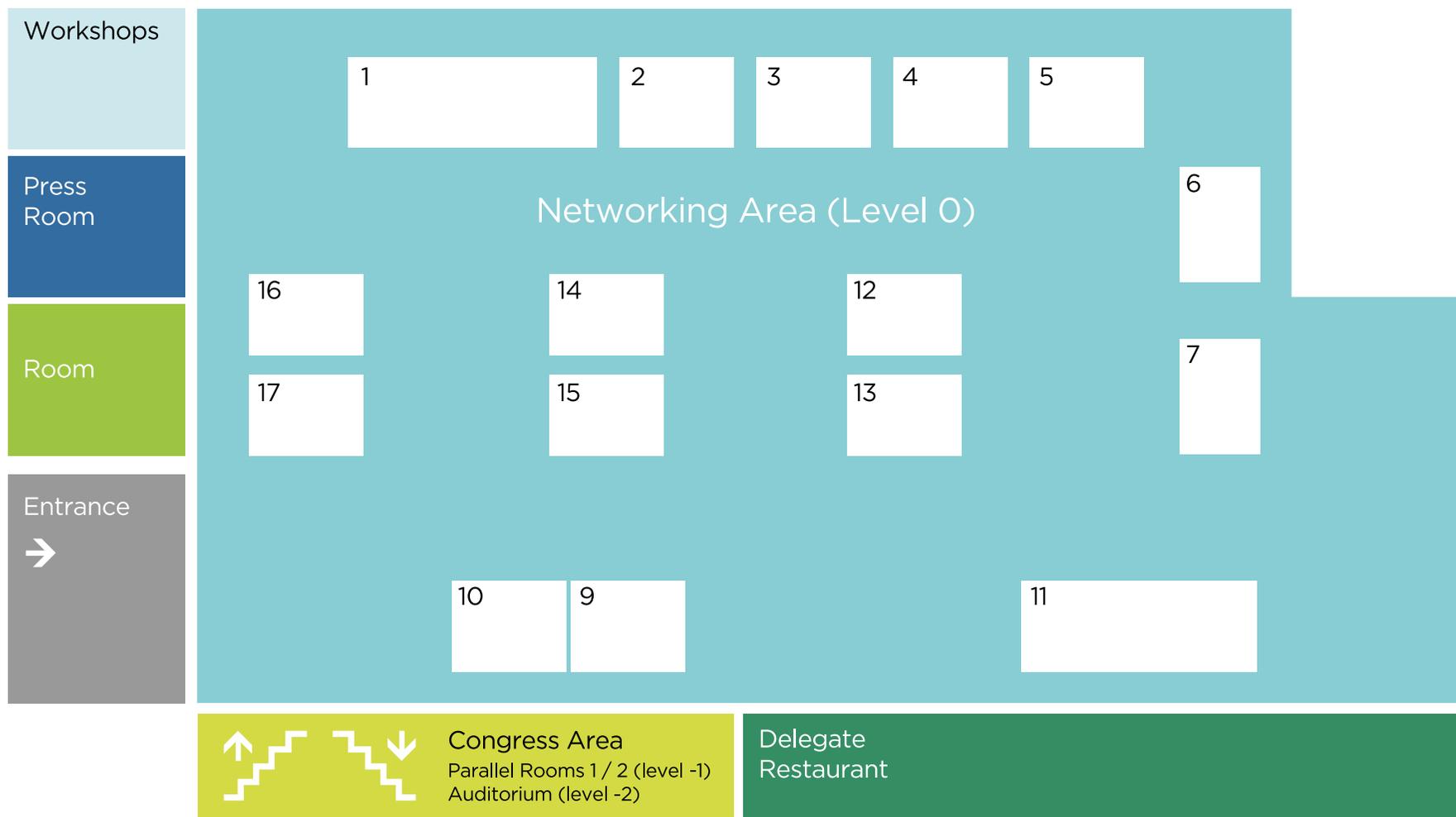
09:30 - 10:15	WELCOME SPEECH	
	Smart Island World Congress	AUDITORIUM
10:15 - 10:45	KEYNOTE JOSÉ LUIS RODRÍGUEZ ZAPATERO	
	Keynote Speech   José Luis Rodríguez Zapatero	AUDITORIUM
11:00 - 12:15	PLENARY SESSION	
	Beyond Lonely Enclaves: Islands in a Connected World	AUDITORIUM
12:45 - 13:45	DISCUSSION	
	Pathways to Socio-Economic Development and Co-Operation Strategies	AUDITORIUM
13:45 - 14:30	KEYNOTE PARAG KHANNA	
	Small States, Small Islands, Small Cities: why Small is Smart is Best in the 21st Century	AUDITORIUM
16:00 - 17:00	PARALLEL SESSIONS	
	Smart Infrastructure in a Connected World	ROOM 1
	Sustainable Urban Development	ROOM 2
17:15 - 18:15	PARALLEL SESSIONS	
	Economic Competitiveness	ROOM 1
	Climate Change as a Global/Local Issue	ROOM 2
18:45 - 20:00	PLENARY SESSION	
	The Leading Role of Islands as Committed Examples Towards Sustainability	AUDITORIUM

# CONGRESS PROGRAM

Friday 21 April 2017

09:30 - 10:45	PLENARY SESSION	
	Making it Happen: Change-Makers and Economic Development	AUDITORIUM
11:00 - 11:45	KEYNOTE ANOTE TONG	
	Pathways Towards Sustainability	AUDITORIUM
12:30 - 13:30	PARALLEL SESSIONS	
	Quality of Life and Population Change	ROOM 1
	Technology and Innovation: Disruptions in our Traditional Activities	ROOM 2
15:00 - 16:00	PARALLEL SESSIONS	
	Green Energy Management	ROOM 1
	Climate Change: Where Will We Go?	ROOM 2
16:15 - 17:15	PARALLEL SESSIONS	
	Roundtable: Attracting Talent and Start-ups	ROOM 1
	From Mature to Smart Tourist Destinations	ROOM 2
17:45 - 18:15	CLOSING SPEECH	
	Smart Island World Congress	AUDITORIUM

# VENUE MAP



AJUNTAMENT DE CALVIÀ **1**  
 AJUNTAMENT DE PALMA **2**  
 AUTORITAT PORTUÀRIA DE BALEARS **12**  
 CONSELL DE MALLORCA **11**

FIWARE **13**  
 GOVERN DE LES ILLES BALEARS **15**  
 GRUPO ETRA **7**  
 HIDROBAL **3**

MAC INSULAR **5**  
 MALLORCA WIFI **6**  
 MELCHOR **4**  
 MARCARÓ **4**  
 MELIÀ **17**

MICROSOFT **16**  
 ORANGE **9**  
 SMART CITY EXPO **10**  
 WORLD CONGRESS **10**  
 TIRME **14**

# PARTNERS

## GLOBAL SPONSOR & OFFICIAL EVENT HOST

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Meliá Hotels International is one of the largest hotel companies worldwide, with more than 370 hotels operated under the brands Gran Meliá Hotels & Resorts, Paradisus by Meliá, ME by Meliá, Meliá Hotels & Resorts, INNSIDE by Meliá, Sol by Meliá and TRYP by Wyndham.

The high degree of globalisation, a diversified business model and the consistent growth plan supported by strategic alliances and its commitment to responsible tourism are the major strengths of Meliá Hotels International, being the Spanish Hotel leader in Corporate Reputation and one of the most attractive companies to work for worldwide.

## SILVER PARTNERS

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FIWARE is driving the definition and open source implementation of open APIs, enabling the creation of interoperable and portable smart solutions in different sectors. It is gradually becoming the open source platform of choice in Smart Cities, driving the creation of “de-facto” standards in the field and effectively establishing a Digital Single Market for Smart Cities. It not only facilitates more efficient management of services for citizens but also the transformation of cities/islands into engines of growth and enablers of a Data Economy.



Microsoft (Nasdaq "MSFT" @microsoft) is the leading platform and productivity company for the mobile-first, cloud-first world, and its mission is to empower every person and every organisation on the planet to achieve more.

Microsoft CityNext empowers cities and citizens to unlock their potential by delivering innovative digital services that can help them lead safer and healthier lives, enriched by high-quality education. CityNext helps cities engage their citizens, empower city employees, optimise city operations and infrastructure, and transform and accelerate innovation and opportunity.



The Port Authority of the Balearic Islands is charged with facilitating spaces of general interest in the ports of Palma, Alcudia, Maó, Ibiza and La Savina, where it provides essential provisioning services and support for the socioeconomic and tourist activities of the Balearic Islands. It undertakes its activities at all times with efficiency and respect for the environment to set a high standard of quality and integration of port operations in the provision of basic and complementary services for people and companies. To achieve this objective, it adheres to the values that inspire all the activities in which the Port Authority is involved, including vocation for service, innovation, transparency, employee recognition and collaboration with stakeholders.



TIRME is the concessionaire of the public waste treatment service granted by Mallorca Island Council. The main functions of TIRME are to design, build and manage the 17 facilities of which this service consists. Thanks to the commissioning of these facilities, Mallorca was the first region in Spain to achieve zero waste disposal. The island is prepared to meet the new challenges set by the recently-adopted EU action plan for the circular economy, which works on the same principle that we have been applying in Mallorca for years: there is no waste but rather resources that have to be used.

## BRONZE PARTNERS

Ajuntament  de Palma

Palma city is the capital of the Balearic Islands, has an area of 208.63 km<sup>2</sup> with near 427,000 inhabitants. Palma has always been a strategic point in the Mediterranean and nowadays, thanks to its excellent communications by sea and air, it is a preferred destination in the European Union with about 13 million tourists a year. Thanks to its long tourist tradition, it is home to major international tourism companies, exporting technology and services to the whole world.

**etra**

GRUPOETRA is a global technology player, Centre of Excellence for Smart Cities thanks to its intensive activity in R&D and innovation in Smart technologies. Its mission is to provide society with the most advanced solutions in mobility, lighting, energy, security and communications.

GRUPOETRA expertly combines the Smart City technological model with specific solutions that tangibly improve people's quality of life and the efficient use of resources - human, material, environmental - by urban services managers, whether public or private.

 **HIDROBAL**

Hidrobal is a company in the environmental sector that manages all the processes involved in the complete water cycle: catchment, drinking water treatment, transport and distribution for human consumption, offering full health assurance.

The HIDROBAL model is based on the excellence of the service provided to all customers: households and companies. The company's real strength is based on adapting to meet the needs of all its customers, on constant technological innovation and optimum knowledge management, and on the sustainable use of all available water resources.

HIDROBAL ensures optimum water management from its catchment up to the point when it reaches the end user. The company monitors and supervises the water treatment process from the water's natural state up to its complex social uses.



MAC Insular has been the licence holder of the public service of processing construction and demolition waste, as well as bulky waste and tyres on the Island of Mallorca, since 2006. The main aim, in accordance with the sectorial regulation, is to create a culture of minimal waste; in other words, waste recovery.

In the case of construction and demolition waste, the company obtains recycled aggregate for use in the construction industry, as well as using the sterile elements for landscape restoration and recovery in degraded spaces, such as quarries.

In the case of bulky, non-reusable waste; it recovers any valuable components (iron, wood, non-ferrous metals, plastics, etc.) and ensures the correct disposal of dangerous components.



The client that hires Melchor Mascaró is hiring a reference in its business areas of singular buildings, infrastructures, environmental management and landscaping; a company that adopts an attitude of total involvement in the projects in which it participates, thanks to its technical training, its customer-oriented approach and its readiness to take on major challenges with its own resources, without losing sight of its roots in Balearic society and its commitment to sustainability. Melchor Mascaró is a signatory of the United Nations Global Compact.



With a value generation project based on the convergence, innovation and quality of services, Orange is the leading alternative operator in the telecommunications market.

Orange develops efficient solutions in the field of IoT and Big Data, based on using ICT as a tool to achieve more interactive, efficient and sustainable cities, homes and businesses, and as a leading technology partner in Smart Cities for public administrations and companies, in designing and adopting digitalization strategies to compete efficiently in the global market.

## HOSTS AND ORGANISERS

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Calvià Town Council is responsible for the local administration of the municipality. This eminently coastal municipality, the gateway to the Sierra of Tramuntana, has a population of around 50,000 inhabitants and an area of some 14,500 hectares. Its economy is primarily based on tourism. The Mayor and corporation president is Alfonso Rodriguez Badal.

Among the Smart City objectives and initiatives, Calvià puts a priority on the efficient use of energy and respect for the environment, improving pedestrian and vehicle mobility, strengthening business management, implementing collaborative technological environments with its citizens, and promoting their quality of life.



The Government of Mallorca is working to reduce seasonality by providing information on and promoting the island's cultural heritage, contemporary art and culture, gastronomy and sports training facilities. Reaching this goal would mean improving the quality of our tourism and revitalising the local economy. In order to achieve this goal, the Government of Mallorca has designed the Smart Mallorca project.

“Smart Mallorca” promotes the use of information and communication technologies (ICT) in order to improve the tourist offering, services for citizens, the sustainability of resources and contact between society and the government.

The main initiatives are the Smart Tourism Platform, a big open data platform, Smart Building, Smart Parking, Smart Weather, Smart Traffic and the Smart Emergency Response System, which involves multiple projects throughout the Island to feed these lines of action.



## GOVERN ILLES BALEARS

The Government of the Balearic Islands works in different areas to make the region a Smart Destination in order to effectively improve the economic model, as well as to contribute to more sustainable tourism.

Combating climate change and preserving the environment are a fundamental cornerstone of our strategy, as evidenced by the first Climate Change Act of the Balearic Islands currently being drafted and the adoption of the Sustainable Tourism Tax. Our plan also foresees other specific measures, such as promoting innovation, with government subsidies and support for professionals, and improving access to broadband internet to all municipalities in the Balearic Islands.



Smart City Expo World Congress is the leading event for cities, committed to boosting the implementation of all global agendas and supporting the development of our cities. Since its first congress in 2011, it has turned into an exceptional discussion and business platform to connect governments, companies, entrepreneurs, research centres and innovators around the world who are working to tackle similar urban challenges and generate opportunities for action.

The Congress provides the opportunity to share knowledge with prestigious speakers and the global industry, and the exhibition gives participants the opportunity to see projects and technologies and connect all points of the ecosystem of a smart city. It allows them to network, sell, present projects and solutions and to do business.



Fira Barcelona is one of the most important institutions in Europe in the organization of trade shows, congresses and conferences, venue management and leadership.

Founded in 1932, it organises and hosts trade shows and congresses every year, covering the main sectors of the economy, as well as numerous corporate, social and cultural events.

Fira Barcelona not only operates in its host city but also internationally. It has managed venues and developed events in Mexico, Qatar, Ethiopia, Cuba, Morocco, Turkey, Argentina, Canada, Colombia, Russia and Japan.

Its annual contribution to the city's economy is estimated at about 2,600 million euros and its activity also generates social and public value.

# SIWC 2017 FIGURES

**1300** attendees



**70** international islands



**95** speakers



**86** journalists

# SMART ISLAND AWARDS

## SMART ISLANDS AWARD



Project: La Palma Smart Island

**La Palma, Canary Islands. Spain**

## URBAN DEVELOPMENT AWARD



Project: Port Louis Smart City Concept Plan

**Mauritius island. Republic of Mauritius**

# SMART ISLAND AWARDS

## SMART DESTINATION AWARD



Project: The island on the Way of Sustainable Development, and its management of resource scarcity

**Bora Bora , French Polinesia. France**

## INNOVATIVE INITIATIVE AWARD



Project: Port-PVEV (Malta)

**Republic of Malta**

# SMART ISLAND AWARDS

## SUSTAINABLE DEVELOPMENT AWARD



Project: Cabeólica

Republic of Cape Verde

## CULTURAL INNOVATION AWARD



Project: App de Cultura

Dominican Republic

# CONGRESS REPORT



The Smart Island World Congress was a celebration of the potential for co-operation of islands across the world which, in unison, are raising their voices to commit themselves to a smarter and more sustainable future. The Congress also sought to include islands in the global conversation on smart territories and to focus attention on their potential, challenges and opportunities. The event was a first step in the coming-together of islands from different regions that share the same goals and aspirations of keeping on track to become competitive places in the global economy, distinctive and singular repositories of natural and cultural biodiversity, with engaged communities and public authorities seeking prosperity thanks to innovation and technological progress.

This was a networking session in which multilateral agencies, national, regional and local governments, social organisations and companies were able to bring to the table actionable and transformative ideas and projects to shape new futures for islands, regardless of their individual characteristics. As part of this movement, the organisers and their partners launched this congress to make a contribution and strengthen partnerships with key actors, hence multiplying the impact and building new mechanisms for islands to share their views and efforts in the coming years.

# What did we talk about at SIWC?

The programme was organised around four main topics (New Connectivities, Urban and Social Development, Talent and Economic Growth, and Islands for the Future) and in four different session formats: keynotes, plenary sessions, discussions and parallel sessions.



## NEW CONNECTIVITIES

Connectivity / Big Data / New Technologies / Airports / Ports / Infrastructure / Physical & Virtual Archipelago / Smart Grid.



## URBAN & SOCIAL DEVELOPMENT

Sustainable Urban Planning / Ageing population / Youth / Smart Mobility/ Quality of Life / Health and Social Welfare / Education / Social Innovation / Civic Engagement / Smart Management & Solutions.



## TALENT & ECONOMIC GROWTH

Startups / Industry of Knowledge / Brain Drain Prevention / New Business Models / Incubators / Accelerators / Fab Labs / Living Labs / Innovation hubs / Entrepreneurship / Economic Empowerment.



## ISLANDS OF THE FUTURE

Resilience / Seasonality / Sustainable & Quality Tourism / Environmental Sustainability / Cultural Heritage / Local Specificity / Architecture / Contemporary Art & Culture / Environment / Climate Change / Clean & Renewable Energies / Responsible Consumption / Energy Storage.

# Main sessions summary

## Keynote 1: José Luis Rodríguez Zapatero

20/04/2017 | 10:15 - 10:45

**SPEAKER:** José Luis Rodríguez Zapatero | Former Spanish Prime Minister

“In order to have a history with a collective success, it is a must to focus on social behaviour and eliminate inequality.” José Luis Rodríguez Zapatero

From the very beginning, José L. Rodríguez Zapatero has claimed that the politics of the future will be marked by sustainability and intelligence in a context of globalisation. This globalisation, a process that we have been going through for the past 50 years, is not a political programme, but the fruit of the evolution and transformation of human's innovative and technological capacity.

For former Prime Minister Zapatero, islands are the main labs for this new political view to grow, because they are nurtured by the social diversity caused by tourism and by their ability to connect with the mainland and other islands so easily and effectively. In this near future, islands will be the focal point of every country's government and the EU, as they will have a better understanding of the economic potential they can offer, as well as the connections and opportunities they can bring.

Since 2006, Zapatero has been greatly concerned by the numerous migratory flows. This is due mainly to climate change – people who see themselves on the verge of a natural disaster have tried to create a new life in other countries.

Islands have the power to gain attention from the world because they are the main victims of climate change. Therefore, the world might take a stand and start living a more sustainable way of life.

At a time when there is so much uncertainty, with political tensions, wars in the Middle East, and so many victims forced to look for a new home, globalisation as a social vector will prevail. Countries with an open mind will be on the right side of history, and those who deny globalisation will fail.



# Main sessions summary

## Plenary 1: Beyond lonely enclaves

20/04/2017 | 11:00 - 12:15

**CHAIR:** **Juan Antonio March** | Vice President - Onuart Foundation | Spain

**SPEAKERS:** **Antoni Riera Font** | President - Impulse Balears Foundation | Spain

**Maria del Carmen Palomino Sánchez** | Councillor of Modernisation and Public Affairs - Island Council of Mallorca | Spain

**Julio Salas** | Head of the Digital Economy Office - Ministry of the Economy - Government of Chile | Chile

**Enrique Martínez Marín** | Advisory Member - National Smart City Plan | Spain

## “Connectivity means competitiveness.”

Antoni Riera

Connectivity is the new form of competitiveness and, as Antoni Riera highlighted, most EU insular regions fall into the lowest positions in comparison. This is mostly explained by economic specialisation, which has led islands to be very dependent on the service sector, with low added value. In this sense the path to transformation towards a more competitive future is measurable, and it is important to consider the position of each island before establishing a strategy for the future. Looking at how insular regions have performed in the last decades, we can see a pattern that seems natural – the level of economic progress tends to equal low competitiveness even after short periods of economic growth – but can be defied by strong long-term visions to transform connectivity and competitiveness.

In this sense, Smart Mallorca, the new project from the Mallorca Island Council, as showcased by Maria del Carmen Palomino Sánchez, is formulated as a practical example of long-term transformations, developed to enhance new technologies and services in the island. The platform will consist of a considerable number of sensors all around the territory, covering several areas such as traffic, weather, emergency services, tourist information, land conservation and efficiency of basic resources.

The same practical ambitions to connect remote territories to the global world were shared by Julio Salas, from Chile. Although Easter Island (Rapa Nui) is a really isolated example, its government has



made great improvements in recent years. Being smart is a huge challenge, but technology is being fostered while at the same time respecting and promoting its cultural identity. This success is a good example to show how every place in the world can be connected to new technologies despite the barriers that can be found during the process of becoming smarter.

The session finished with a singular example of a national-level policy developed in Spain to foster the smart cities industry and create a common framework for public and private actors to develop smart city projects. The Smart Cities national plan makes Spain a worldwide reference in the Smart concept, going further than the traditional model and steering their efforts towards three main areas: standardisation, governance and industry. One of the unique features of this plan is that, from the very beginning, it included a provision for support and funds for Spanish islands, with a separate call for projects that has led to the funding of the first smart island projects in Spain.

Overall, the fact that islands are geographically isolated places no longer means that they are technologically outdated. Nevertheless they can orchestrate this weakness in their favour, improving the advantages they have over other areas (such as tourism or the management of natural resources) to be smarter than ever.

## Main sessions summary

**Discussion:** Pathways to socio-economic development and co-operation strategies

20/04/2017 | 12:45 - 13:45

**MODERATOR:** **Joan Mesquida Ferrando** | General Manager of Tourism - Calvià Town Council - Spain – Former Secretary of State for Tourism – Spain

**SPEAKERS:** **Eunice Silva** | Minister of Infrastructures, Land Management and Housing (MIOTH) - Republic of Cape Verde | Cape Verde

**Jorge Toledo** | Secretary of State - European Union | Spain

“Our islands can have negative aspects, but they also have good ones, and we have to take advantage of them.” Eunice Silva

Nowadays, islands are no longer isolated. Cape Verde is an example of this. It is a country with huge poverty symptoms, but it has not avoided development, mainly because of the good relations with other countries and islands, such as the Canary Islands, and the benefits that tourism brings. During recent years, the government has achieved some excellent results, such as the reduction of illiteracy and the use of new natural resources.

Jorge Toledo reminds us the EU's lack of concern about islands, as the founders did not consider the special requirements of these territories. To address this, he encourages lobbying in order to have common interests represented.

A great project that the island of El Hierro has instigated is the use of 100% renewable energy. This has been an enormous success, becoming a model for other islands, and can be achieved easily with partnership strategies.

In conclusion, treaties among islands would be useful to reduce discrimination from the mainland, and to receive the special treatment that islands require.





## Main sessions summary

### Keynote 2: Small States, Small Islands, Small Cities: Why Small is Smart is Best in the 21st Century

20/04/2017 | 12:45 - 13:45

**INTRODUCED BY:** Pilar Conesa | Curator - Smart City Expo World Congress | Spain

**SPEAKER:** Parag Khanna | Managing Partner - Hybrid Reality Pte Ltd. | Singapore

“It’s not a matter of island or not island: it’s about how connected you are.” Parag Khanna

In old beliefs, a rich country is a powerful country. The fate of small cities and territories with more limited capital seems to be sealed. However, strategies have been developed and somehow the grid has been broken: now, money is in second place, and what really matters in the economic growth of a territory is how connected it is with the rest of the world. “It determines failure and success in the future,” Khanna sentenced during his Keynote.

The definition of Smart Island lies within the capacity of cities and islands to become hubs, special economic zones where people, infrastructures and international trade are coming together to create a market oasis.

In the last 50 years, China has transformed itself into the hub of global supply chains and been tagged as a superpower. New Zealand and Ireland both created strategies that attracted manufacturers and entrepreneurs: one lowered the cost of living and became the hotspot for Polynesian migration flows; the other traded taxes for investment, “because it lasts over a longer period of time”, and attracted talent.

Islands can take advantage of their smaller territories and develop smarter and more sustainable mobility, a bigger communication infrastructure and expand their heritage tourism, in order to attract more people and, ultimately, more companies that want to integrate in the island’s market. This means being part of a global process towards devolution at local level, which is making cities, and islands too, responsible for gaining the power to develop their own distinctive projects. By doing so, they will rapidly become more connected and be “guaranteed a significant role in the global centralisation of the future.”

# Main sessions summary

## Plenary 2: The leading role of islands as committed examples towards sustainability

21/04/2017 | 18:45 - 20:00

**CHAIR: Pilar Conesa** | Curator - Smart City Expo World Congress | Spain

**SPEAKERS: Ronny Jumeau** | Seychelles Permanent Representative to the United Nations and Ambassador to the United States and Canada - Republic of Seychelles | Seychelles

**Gaetan Siew** | UN Habitat Governing Council Member - Chair of Port Louis Development Initiative | Mauritius

**Mark Raymond** | Architect - Mark Raymond Architect | Trinidad y Tobago

**Carlos García Delgado** | Architect - Carlos García-Delgado Seguéés | Spain

“Sustainability for islands is not an option, it is a goal.” Pilar Conesa

Islands are laboratories of ideas. This was the starting point of this session that wanted to showcase the leading position projects in islands have sometimes had in terms of sustainability. Islands comprise features that have made them laboratories of leading projects to rethink the future of humanity. Understanding how new energy mobility or resource consumption systems work in islands has proved to be an effective way of upscaling solutions in terms of sustainability. The systems experienced in them that have proved to be efficient and sustainable require a rethinking of mankind's large-scale solutions for the rest of humanity.

In this sense, Ronny Jumeau shows how it is only with sustainable systems that we can cope with climate change and terrorism, regardless of the apparent causes that originate them, while Gaetan Siew



remarked how effectively islands represent a true laboratory for exporting sustainable solutions to the mainland and proposed a multi-axial strategy for action. Mark Raymond stressed how citizens are victims of cities and the obligation for architects to make the right environment for people. “We are victims of technology,” to quote Kenneth Frampton. Following this particular questioning of the role of urbanisation in insular territories, Carlos García Delgado shared a masterful review of the evolution of cities, from their role as centres of integration to the mistakes made in the first industrial revolution with respect to the habitability of these very cities. “The current enemy,” he suggests, “is ‘domestic hotel’ tourism, the Trojan horse of the modern city, threatening the habitability and harmony of a society that increasingly needs a welcoming city in which to live and work.” There is no doubt that only sustainable solutions, and islands, can lead to a habitable environment for all humanity.

# Main sessions summary

## Plenary 3: Making it happen: change-makers and economic development

21/04/2017 | 9:30 - 10:45

**CHAIR: Adolfo Borrero Villalón** | Vice-president of Regional Action and president of the Smart Cities Committee – Ametic | Spain

**SPEAKERS: Vanessa Miranville** | Mayor of Possession | Réunion

**Mateu Hernández** | CEO - Barcelona Global - Spain Eduardo Rodriguez - Montemayor - Senior Research Fellow / INSEAD | France

**Joseph Dignan** | Architect - Corporate Relationship Development - Future Cities Catapult | United Kingdom

**Juanjo Hierro** | CTO - Fiware Foundation | Germany

“Power is nothing without organisation.”

Mateu Hernández



This session was organised as a gathering of public and private leaders with a proven track record in making big changes happen, and was organised with the aim of sharing with the audience their experiences and their key messages to make smarter islands possible through new institutional and financial frameworks. If making islands smarter is a call for transformation, how can we start the change? How can we make our islands Smart? What are the first steps to take and how do we articulate the action?

Vanessa Miranville showed how in Possession, where the urban centre is diffused and the space is limited, they are experimenting with a new master plan of solutions in the form of an eco-city plan to be completed in 2025. This project means that even complex projects in small territories are feasible if the way of thinking and the tools are adapted to the new technology solutions and the expectations and demands of citizens to be part of the decision-making process. The mayor also highlighted the fact that public-private partnerships have been a crucial addition to ease the management of this project, but regulation has been also substantial to secure enough public supervision and ensure public value.

While the project in Réunion is still in underway, Mateu Hernández detailed the evolution of Barcelona as a look to the past to learn about the profound transformation of a big city, quite illustrative even for islands. His presentation was not only a description of the past, but a questioning on what to expect in the future, not only for his own city but also for other territories, and how the unique characteristics of the governance and operation of a completely private organisation such as Barcelona Global can illustrate an example of a practical platform to seek transformation, commitment from local actors and connections with global networks.

Eduardo Rodriguez-Montemayor shared the highlights of one of the most influential studies in terms of territorial competitiveness, the Global Talent Competitiveness Index (GTCI), which particularly focuses on understanding how talent influences the generation of value in regions. This is a hot topic for islands, which usually suffer from brain drain against their mainland, and illustrates the benefits of investing in human capital to ensure long-term prosperity. Joe Dignan, from Future Cities Catapult, a successful UK-wide national platform to pursue smart city developments, shared the lessons learnt in their journey of making things happen and stressed several factors that contribute to secure practical progress in terms of vision, projects and outcomes, not only in terms of deploying new technological solutions but also deep transformation in the way governments work and territories perform. Last but not least, Juanjo Hierro, representing a large-scale technology platform based on cooperative strategies, stressed the importance of scaling up solutions based on real-time open data and the benefits public institutions can achieve in terms of digital transformations to improve public services.

As we can see, the proposals for development range from local to global. It is necessary to articulate measures at all levels of action to achieve effectiveness that radically changes our society. From a small urban centre on a distant paradise island to standards that affect the structure of the Internet, we see how it can be articulated to be effective.

# Main sessions summary

## Keynote 3: Pathways towards sustainability

21/04/2017 | 11:00 - 11:45

**INTRODUCED BY:** Dan Lewis | Chief - Urban Risk Reduction, UN-HABITAT | Spain

**SPEAKER:** Anote Tong | Former President - NGO | Kiribati

“My country will be soon underwater, unless we work together.” Anote Tong

Anote Tong's presence at the congress was a compelling reminder that action is urgent. His background and current commitment to ensure a future for the people in Kiribati, the frontrunner in terms of suffering the effects of climate change, represents the fight of small islands to make their case in the global scenario of lack of action. For those who do not know where Kiribati is, Mr. Tong described it in his own words: “We are in the middle of nowhere”, but they are, at the same time, in the middle of the most fragile territory facing the most dramatic consequences of climate change. The Kiribati archipelago is unfortunately a perfect example of the consequences of climate change and rising sea levels. The president showed how climate change is affecting his islands and his people, and what we can do to tackle it. The local solution necessarily involves a joint solution.

The frontier of vulnerability may seem immediate only for these tiny, isolated and remote areas of the world, but Anote Tong always tried to make clear to other nations that this is a common responsibility in which the most vulnerable have been the least responsible for causing this situation. His words were basically a call for action: everyone is needed to find solutions. There is no room to say, “There is nothing we can do”. People already suffering the effects of climate change are demanding an answer to their current needs and there is no place for inaction. Solidarity and cooperation emerge here as the most convincing argument to make nations, companies, professionals, social organisations, etc. join this movement.



# Highlights: **keynotes**

## **Keynote 1:** José Luis Rodríguez Zapatero

20/04/2017 | 10:15 - 10:45

**SPEAKER:** José Luís Rodríguez Zapatero | Former Spanish Prime Minister | Spain

- “Globalisation is not an element to be rejected, it is an element to be understood.”
- “We have two major challenges: globalisation and migratory phenomena.”
- “Islands are genuine laboratories for launching new innovative policies that give them what they have never had in history: the potential to be a reference.”
- “There will be no borders that prevent globalisation”
- “From a sun and beach tourism to a sun and data tourism.”

## **Keynote 3:** Pathways Towards Sustainability

21/04/2017 | 11:00 - 11:45

**INTRODUCED BY:** Dan Lewis | Chief - Urban Risk Reduction, UN-HABITAT | Spain

**SPEAKER:** Anote Tong | Former President - NGO | Kiribati

- “My country will be soon underwater, unless we work together”.
- “Our islands are flooding. Climate change is not a matter of sovereignty. You cannot retain CO2 emissions inside your borders. Climate change is an issue that goes beyond your borders. Climate change is real and we are all part of the problem, so we should all be part of the solution.”

## **Keynote 2:** Small States, Small Islands, Small Cities: Why Small is Smart Best in the 21st Century

20/04/2017 | 12:45 - 13:45

**INTRODUCED BY:** Pilar Conesa | Curator - Smart City Expo World Congress | Spain

**SPEAKER:** Parag Khanna | Managing Partner - Hybrid Reality Pte Ltd. | Singapore

- What can we learn from megacities?
- Switzerland and Singapore are the most cosmopolitan areas in the world.
- If cities are “Islands of Stability”, then can islands be “offshore cities”?
- “The Indian Ocean is the future. More and more trade is being done through the Indian Ocean than the Atlantic”.

## Highlights: plenaries



### Plenary P1: Addressing Sustainability and Climate Change Challenges for the Future of Cities

20/04/2017 | 11:00 - 12:15

**CHAIR:** **Juan Antonio March** | Vice President - Onuart Foundation | Spain

**SPEAKERS:** **Antoni Riera Font** | President - Impulsa Balears Foundation | Spain

**María del Carmen Palomino Sánchez** | Councillor for Modernisation and Public Affairs - Mallorca Island Council | Spain

**Julio Salas** | Head of the Digital Economy Office - Ministry of the Economy - Government of Chile | Chile

**Enrique Martínez Marín** | Advisory Member - National Smart Cities Plan | Spain

#### Antonio Riera

- “It is necessary to achieve competitiveness according to our level of GDP per capita in the islands in order to maintain a stable position. It has been shown that the regions have to adjust to this relationship.”
- He showed a matrix where one axis is competitiveness and the other productivity, the diagonal being the neutral position. It sets the European regions on this matrix and shows how they have evolved over time.
- “The Balearic Islands have less competitiveness than productivity, and that is not sustainable.”

#### Julio Salas

- He spoke about the geographical isolation of Easter Island and how technology respects and promotes cultural identity.
- He talked about Smart Challenges on an island where “ISOLATION” is a major issue - the most isolated island in the world.
- He referred to his website for more information: [www.islasinteligentes.cl/](http://www.islasinteligentes.cl/)

#### Carmen Palomino

- She spoke about Smart Mallorca.
- Plan of Action lines: cloud platforms (weather stations, traffic flow and density, parking), resilience, protection and conservation of historic places, and open data.

#### Enrique Martínez

- Spanish model of smart cities (Government of Spain).
- Spain is a leader in Smart Cities.
- Working together with UIT.
- There are three pillars: Standardisation, Governance and Industry.
- The traditional model only considers **the digital as saving, the new approach as more possibilities.**

## Highlights: plenaries



### Plenary P2: The Leading Role of Islands as Committed Examples Towards Sustainability

21/04/2017 | 18:45 - 20:00

**CHAIR:** **Pilar Conesa** | Curator - Smart City Expo World Congress | Spain

**SPEAKERS:** **Ronny Jumeau** | Seychelles Permanent Representative to the United Nations and Ambassador to the United States and Canada - Republic of Seychelles | Seychelles

**Gaetan Siew** | UN Habitat Governing Council Member - Chair of Port Louis Development Initiative | Mauritius

**Mark Raymond** | Architect - Mark Raymond Architect | Trinidad y Tobago

**Carlos García Delgado** | Architect - Carlos García-Delgado Seguéis | Spain

- Islands are laboratories of ideas.
- **Ronny Jumeau:** talked about the importance of climate change and terrorism.
- **Gaetan Siew:** “Islands are laboratories for the mainland.”
- **Carlos García:** talked about integration centres and the mistakes of industrial revolutions.

### Plenary P3: Making It Happen: Change-Makers and Economic Development

21/04/2017 | 9:30 - 10:45

**CHAIR:** **Adolfo Borrero Villalón** | Vice-president of Regional Action and president of the Smart Cities Committee | Spain

**SPEAKERS:** **Vanessa Miranville** | Mayor of La Possession | Réunion

**Mateu Hernández** | CEO - Barcelona Global - Spain Eduardo Rodriguez - Montemayor - Senior Research Fellow / INSEAD | France

**Joseph Dignan** | Architect - Corporate Relationship Development - Future Cities Catapult | United Kingdom

**Juanjo Hierro** | CTO - Fiware Foundation | Germany

#### Vanessa Miranville

- “We have an island without a city and that’s why we can do whatever we want.”
- “We propose a raised railway as a solution to urban traffic. It is the most economical solution and the one that needs the least space.”

#### Mateu Hernández

- “Barcelona was an industrial city in 1980. With the arrival of globalisation, the industry is disappearing progressively (like in other European cities).”
- “It is expected that by 2025 industry will return.”
- Power is nothing without organisation

#### Eduardo Rodríguez

- Global Talent Competitiveness Index.
- Strong relationship between GTCI and GDP per capita.

#### Joseph Dignan

- “The Catapult centres are a network of world-leading centres designed to transform the UK’s capability for innovation in specific areas and help drive future economic growth.”

#### Juan Hierro

- Vision, collaboration and leadership.
- From Open Data to Real-Time Open Data.
- Open Big Data.

# Highlights: discussions

## Discussion: Pathways to Socio-economic Development and Co-operation Strategies

20/04/2017 | 12:45 - 13:45

**MODERATOR: Joan Mesquida Ferrando** | General Manager of Tourism/Formal Secretary of State for Tourism - Spain - Calvià Town Council - Spain

**SPEAKERS: Eunice Silva** | Minister of Infrastructures, Land Management and Housing (MIOTH) - Republic of Cape Verde | Cape Verde

**Jorge Toledo** | Secretary of State - European Union | Spain

### Joan Mesquida

- The key is the connection: from Internet to transport.

### Eunice Silva

- A country with sun-and-beach tourism.
- One of her goals is to guarantee a minimum standard of security and development.
- She aims to create a programme of basic education and job training.

### Jorge Toledo

- "In the original EU treaty, islands were not explicitly included. Benelux and Germany lack them. France, for independence reasons, did not regard them as important, and the Italian perspective is not known."
- "The entry of Spain and Portugal into the treaty began to change the situation."
- "They encouraged lobbying in the European community."
- "Sharing experiences helps reduce costs."



# Parallel Sessions

## New Connectivities



### NC 1: Smart Infrastructure in a Connected World

Hard and soft infrastructures play a crucial role for territories seeking to stay connected in a globalised world. Transportation hubs, knowledge-based systems or financial services, among others, define the ability of islands and territories to be part of global flows of trade, people and ideas, and smart technologies represent an opportunity to keep on track as part of the a global world.

### NC 2: Technology and Innovation: Disruptions in Our Traditional Activities

Digital technologies have disrupted multiple sectors, industries and premises we have been working with. Tourism-based activities are changing their business models and generating new opportunities and challenges, while other industrial sectors are facing the same pattern of disruption due to the emergence of big data, digital fabrication, cloud computing, real-time management, etc. and ideas, and smart technologies represent an opportunity to keep path in being part of the of a global world.



# Parallel Sessions

## Urban & Social Development



### UD 1: Sustainable Urban Development

A sustainable future for islands is more and more a matter of considering a long-term vision for their territories that integrates green development criteria. The session comprised practical examples of how sustainable territories' frameworks, projects and initiatives can be promoted in the field of spatial planning and infrastructures with a comprehensive focus.

### UD 2: Quality of Life and Population Change

Population change, from migration processes to ageing populations, represents one of the most challenging patterns in most islands. It impacts, in the short and the long term, the capability of island territories to offer quality of life, develop new public services and secure their future as competitive, open and resilient societies.

### UD 3: Sustainable Tourism

Social expectations and travel trends point to the growing importance of sustainability as a major dynamic in reshaping tourism strategies by public authorities and private actors. A number of practical examples were shared in this session that gathered the experience of islands with a strong focus on promoting a sustainable future for their tourism sector.



# Parallel Sessions

## Talent & Economic Growth



### TE 1: Economic Competitiveness

Islands face particular challenges when dealing with the need to build long-term economic strategies to secure a diversified and competitive economy capable of providing inhabitants with resources to establish new businesses and find job opportunities. This session was designed to foster a discussion on how islands of different sizes can find their place in a global economy.

### TE 2: Attracting Talent and Start-ups

This session established a discussion on different initiatives in islands trying to attract talent and promote local start-up ecosystems using innovative strategies to offer the conditions for investors and entrepreneurs to launch their businesses in islands.



# Parallel Sessions

## Islands of the Future



### IF 1: Climate Change As a Global/Local Issue

Islands are one of the most fragile territories in a changing climate and represent the need to link the global scale of climate change with its local effects and risks. As such, this issue implies an invitation to rethink the way islands develop in the future and how they can be part of a connected world transitioning towards post-fossil and resilient societies.

### IF 2: Green Energy Management

Due to their intrinsic characteristics, in recent years islands have become prominent labs for the most forward-looking initiatives in terms of building self-sufficient and efficient energy systems. This session aimed to explore the lessons learnt from a number of islands on how they are tackling a sustainable energy future.

### IF 3: Resilience

This session, organised with the collaboration of the City Resilience Profiling Programme at UN Habitat, established a debate on the consequences of climate change with particular attention on the forced displacements of populations in islands and territories currently facing the risks of climate change.



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