SUM BIO '19

SUSTAINABLE URBAN MOBILITY CONGRESS

20th - 21st FEBRUARY 2019

SUSTAINABLE URBAN MOBILITY

"Moving the cities of the XXI century"

BILBAO, BASQUE COUNTRY, SPAIN

SUSTAINABLE URBAN MOBILITY

INTRODUCTION

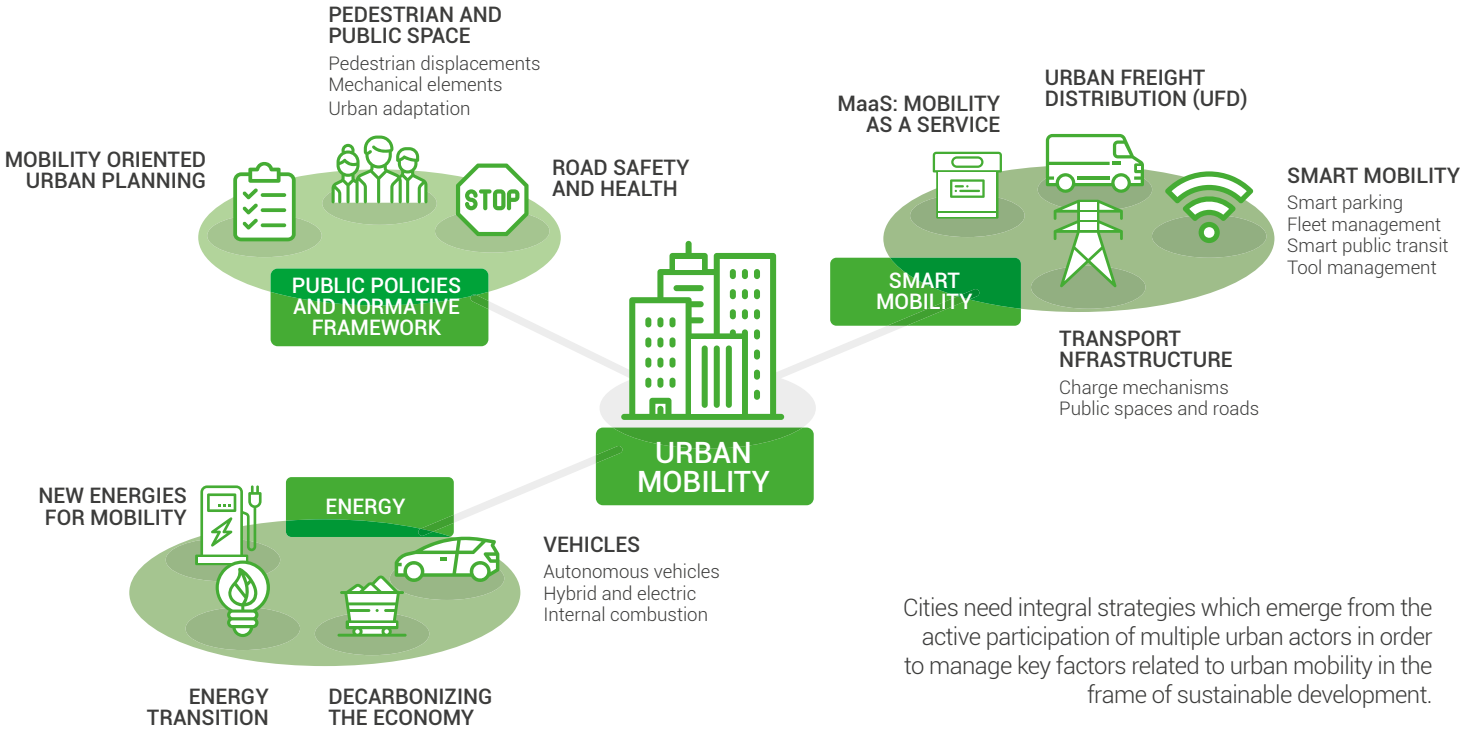
Cities in the XXI century play a crucial role in the global context not only because more than 55% of the world's population lives in urban settlements, but also because urban settlements are the main consumers of resources and energy, and concentrate a large part of the world's economic activities.

In this context, the mobility of people and services represents one of the major challenges that cities must face. Therefore, urban mobility policies must integrate new mobility needs as well as minimise the impact transportation has on the environment and the quality of life in our cities. In addition, mobility is one of the strategic elements which promote territorial competitiveness and must be aligned with achieving the Sustainable Development Goals (SDGs).

In conclusion, urban areas need to develop new sustainable urban mobility systems which involve multiple urban stakeholders, from the public and private sector as well as the civil society. These systems should have a holistic approach by addressing: noise and environmental pollution, traffic jams, energy consume, use of public spaces, new technologies, innovation in transportation services, paradigm shifts in mobility, inclusion, safety and accessibility.

Mobility is one of the key elements to promote the sustainable development of cities

INTEGRAL STRATEGIES



Cities need integral strategies which emerge from the active participation of multiple urban actors in order to manage key factors related to urban mobility in the frame of sustainable development.

GOALS

The main goal of this international Congress is to lead a global discussion about the future of urban mobility and its impact on achieving the Sustainable Development Goals in the cities of the XXI century.

- To analyse and discuss the challenges faced by urban areas in order to develop more sustainable cities and transform them into opportunities for growth.
- To provide a space for interaction and dialogue between stakeholders from the public and private sector committed to create more sustainable and smart mobility systems.
- To share the best practices and new trends in the field of sustainable urban mobility.
- To formulate recommendations to develop sustainable mobility models adapted to the needs and characteristics of different urban areas.
- To display the key technologies and innovations developed by leading companies and start-ups aimed at creating more sustainable urban mobility systems.

WHO IS COMING

LOCAL GOVERNMENTS AND INTERNATIONAL BODIES

Representatives of international organizations and local governments around the world who have a key role in the implementation and search for innovative solutions to urban problems from the sustainable mobility perspective.

LEADING COMPANIES AND START-UPS

Leading companies and start-ups in the transportation and sustainable urban mobility sector who are able to provide solutions which respond to new needs and challenges.

TECHNOLOGICAL CENTERS AND UNIVERSITIES

Representatives of knowledge centres who work in different research areas related to sustainable urban mobility, such us the new mobility patterns, the application of information and communication technologies (ICT), among others.

PUBLIC POLICIES AND STRATEGIES

FOR A MORE SUSTANIABLE MOBILITY

MAIN TOPICS

This Congress will revolve around three main topics which cover the most interesting issues regarding urban mobility models and strategies.

TECHNOLOGY AND INNOVATION AS SOLUTION PROVIDERS

TOWARDS A MORE SUSTAINABLE MOBILITY

OPPORTUNITIES FOR SOCIOECONOMIC DEVELOPMENT

RELATED TO SUSTAINABLE MOBILITY

PUBLIC POLICIES AND STRATEGIES

FOR A MORE SUSTANIABLE MOBILITY

After recognizing the environmental, social, political and economic impact that the mobility of both people and goods has on urban areas, cities and territories are accelerating their transition into more efficient, sustainable mobility systems based on new energies models.

Therefore, it is important to analyse different projects, programs and plans implemented by public administrations around the world in order to develop new models of sustainable urban mobility at a local level. They should include inclusive and social development, urban planning, health, security, environment, technology and innovation, among others.

GOVERNANCE AND URBAN PLANNING, NORMATIVE FRAMEWORK

To use innovation in order to generate ompetitiveness:

- Implementing policies which promote citizen participation, sustainable consumption and production.
- Defining land uses.
- Generating incentives to produce and purchase non-polluting vehicles.
- Encouraging international cooperation.

MOBILITY IN LINE WITH SDG AND CLIMATE CHANGE

To mitigate the impact of mobility on cities:

- Diminishing air pollution.
- Promoting alternative energies.
- Improving citizen commitment to the environment.
- Implementing vehicular emissions control.

INCLUSIVE CITY

To create accessible and integrated cities through:

- Urban transport planning.
- Effective use of public space.
- Promotion of shared and collaborative mobility.

HEALTH AND SECURITY

To reduce the impact of mobility on citizens' health:

- Reducing noise pollution.
- Improving air quality.
- Creating strategies to avoid traffic accidents.
- Promoting alternative transport systems.

TECHNOLOGY AND INNOVATION AS SOLUTION PROVIDERS

TOWARDS A MORE SUSTAINABLE MOBILITY

Information and communication technologies (ICT) are the keystone for the smart development of sustainable mobility systems.

The influence of ICT is palpable in the whole value chain, since it has an impact in the energy supply market for mobility; the collaborative economy; the evolution of software, the development of the ecosystem of transformation technologies (IoTSP, augmented and virtual reality, blockchain, additive fabrication, etc.) and many more functionalities which contribute to foster more sustainable urban mobility.

NEW ENERGIES AND CHARGING SYSTEMS FOR MOBILITY

- Electricity.
- Hydrogen.
- Biofuel.
- LPG.
- Natural gas.
- Batteries and fast charging.

INFORMATION AND COMMUNICATION TECHNOLOGIES

Services for passengers:

- Information and entertainment – infotainment.

R+D+I ON MOBILITY

Autonomous vehicles:

- Vision systems and lane recognition.
- Smart systems for Urban Freight Distribution (UFD).

SMART CITIES (CITIZEN PARTICIPATION)

- Smart parking.
- Smart ticketing.

OPPORTUNITIES FOR SOCIOECONOMIC DEVELOPMENT

RELATED TO SUSTAINABLE MOBILITY

The actions aimed to foster sustainable urban mobility contribute to promote economic and social development in cities.

On one side, the economic benefits generates new business opportunities on the energy and technology markets. They might create a multiplier effect in the whole value chain, from transportation manufacturing industry and infrastructures, to the new mobility services supply, such as car sharing and blockchain. On the other side, social benefits arise regarding an improvement in the quality of life in cities and the creation of new jobs.

PARADIGM SHIFTS AND NEW MODELS ON MOBILITY

- Transportation and logistics.
- Challenges on Urban Freight Distribution (UFD).
- MaaS.

SOCIOECONOMIC BENEFITS OF SUSTAINABLE MOBILITY

ENTREPENEURSHIP AND STARTUPS

- New business opportunities on sustainable mobility.

EUSKALDUNA CONFERENCE CENTRE

Sustainable Urban Mobility Congress Bilbao 2019 will be held at Euskalduna Conference Centre, an internationally awarded congress hall, due to both the services which it provides and the versatility on its functions. The architecture of this building is a reflection of the urban transformation process of Bilbao and symbolises the city´s innovative character.

Euskalduna Conference Centre is located in the city centre, 20 minutes away from the airport and the port, and it is connected to the highways and railways. It is easily accessible by walking from the main hotels and areas in the city and also through the public transport system (metro, tram and bus). Furthermore, it is equipped with parking space for 475 vehicles.

Tram: Euskaduna Stop

Bus:

line 28, Jesus Bihotza Stop
line 56, Gra Vía 90 Stop
line 62, Jesus Bihotza 1 Stop

Metro:

San Mamés Stop, Sabino Arana exit

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