



SUSTAINABLE URBAN MOBILITY CONGRESS SUM BILBAO 19

FEBRUARY 20th — 21st

Euskalduna Centre, Bilbao

Report



ORGANIZED BY



SPONSORED BY



GOLD



SILVER



BRONZE

SUPPORTED BY



MEDIA PARTNER





SUM Bilbao 19 REPORT

Content

1.

PRESENTATION

2.

BILBAO, A GLOBAL BENCHMARK FOR SUSTAINABLE URBAN MOBILITY

3.

ORGANIZERS

- 3.1. City council of Bilbao
- 3.2. Petronor

4.

THE CONGRESS

- 4.1. Key Figures
- 4.2. Main topics
- 4.3. Sessions
- 4.4. Declaration of Bilbao
- 4.5. Networking Zone
- 4.6. Side Events

5.

SPONSORS

6.

PARTNERS

1.
PRESENTATION

SUM

BIO
'19

20-21 FEBRUARY
SUSTAINABLE
URBAN MOBILITY
"XXI. Mendeko hiriak mugitzen"
"Moviendo las ciudades del siglo XXI"
"Moving the cities of the XXI century"



SUM Bilbao 2019 “Moving the cities of the XXI century”

Cities of the 21st century, according to the UN, concentrate more than 55% of the world's population and concentrate most of the economic activities; consequently, their role as generators and consumers of resources and energy is undeniable, as well as their capacity to generate opportunities and solutions against global challenges, being the sustainable mobility of people and goods one of them.

In this context, the **City Council of Bilbao**, an international reference in urban transformation processes and public transport, and **Petronor**, a local energy company committed to the economic and social development of Basque Country, co-organized the **Sustainable Urban Mobility Congress SUM Bilbao 19 “Moving the cities of the XXI century”**.

SUM Bilbao 19 is the first edition of an international event which aims to lead a global reflection on the future of mobility and its impact on the achievement of the Sustainable Development Goals (SDG) in the cities of the 21st century. It took place at the Euskalduna Conference Centre in the city of Bilbao, Basque Country, Spain on February 20th and 21st and brought together almost **1400 professionals**, representing more than 550 organizations, coming from the fields of regional and local governments, international organizations, private companies, start-ups, technological centres and universities.

The congress programme consisted of a total of **15 thematic and plenary sessions, organized around (3) three thematic axes:**

1.
Strategies and Public Policies for
a more sustainable mobility

2.
Technology and innovation as
solution providers for a more
sustainable mobility

3.
**Opportunities for
socioeconomic development**
related to sustainable mobility

A total of **77 leading international experts** participated in these sessions, including the President of the Basque Government, Iñigo Urkullu, the Mayor of Bilbao, Juan Mari Aburto; the CEO of Petronor, Emiliano López Atxurra, the founder and head of “Sustainable Mobility for All (SuM4All)” initiative, Nancy Vandycke; the Secretary of State for the Environment of the Government of Spain, Hugo Morán; the Deputy Director General for Mobility and Transport (DG MOVE) of the European Commission, Matthew Baldwin; the South Asia Programme Lead at the Institute for Transportation and Development Policy (ITDP), Shreya Gadepalli; the Chairman of Repsol, Antonio Brufau; the Independent Consultant on Gender and Urban Transport, Heather Allen and the Secretary General of UN and Executive Director at UN Habitat (2010 - 2017), Joan Clos, among others.

All of them discussed and debated on the strategic aspects for the construction and consolidation of sustainable urban mobility systems, sharing their experiences working in different cities around the world in the fields of transport, energy and digitalization.



SUM Bilbao 19 had the **support and collaboration** of the Global Network of United Cities and Local Governments (UCLG), the Spanish Federation of Municipalities and Provinces (FEMP), the Association of Basque Municipalities (EUDEL), AMETIC, the Energy Agency of the Basque Government (EVE), Ihobe and the Union Internationale des Transports Publics (UITP).

BBK and Repsol, both stakeholders with unquestionable leadership in the territories where they are present, were the two main sponsoring entities of the event, playing a strategic role to consolidate the commitment to face the challenges and opportunities of sustainable urban mobility. IBIL, Irizar e-mobility, Kapsch Traffic-Com, FCC Medio Ambiente, ALSA, Sacyr, Beaz and Red Eléctrica de España (REE) completed the list of sponsors.

Another key objective of the SUM Bilbao 19 congress was to encourage the dialogue between different stakeholders with the capacity to influence and transform urban mobility models, making them more sustainable. This was possible thanks to the **Networking Zone**, an area of 2,000 square metres located at the main hall of the Euskalduna Conference Centre. Such an area offered the attendees the opportunity to talk, have a coffee, exchange points of view and broaden their network of contacts. Three key elements structured the Networking Zone: the different **Stands of sponsors and participant companies**, the **Speakers' Corner**, a stage in which interesting ideas and projects on the future of mobility were shared, and the **Information Screen**, a wide screen in which the congress main insights were constantly projected.

SUM Bilbao 19 also served as a framework for the celebration of different **Side Events** within the Euskalduna Conference Centre, as well as to promote the debate on sustainable urban mobility closer to the citizenship thanks to the enabling of the **eMovilidad** events in three different places across the city.

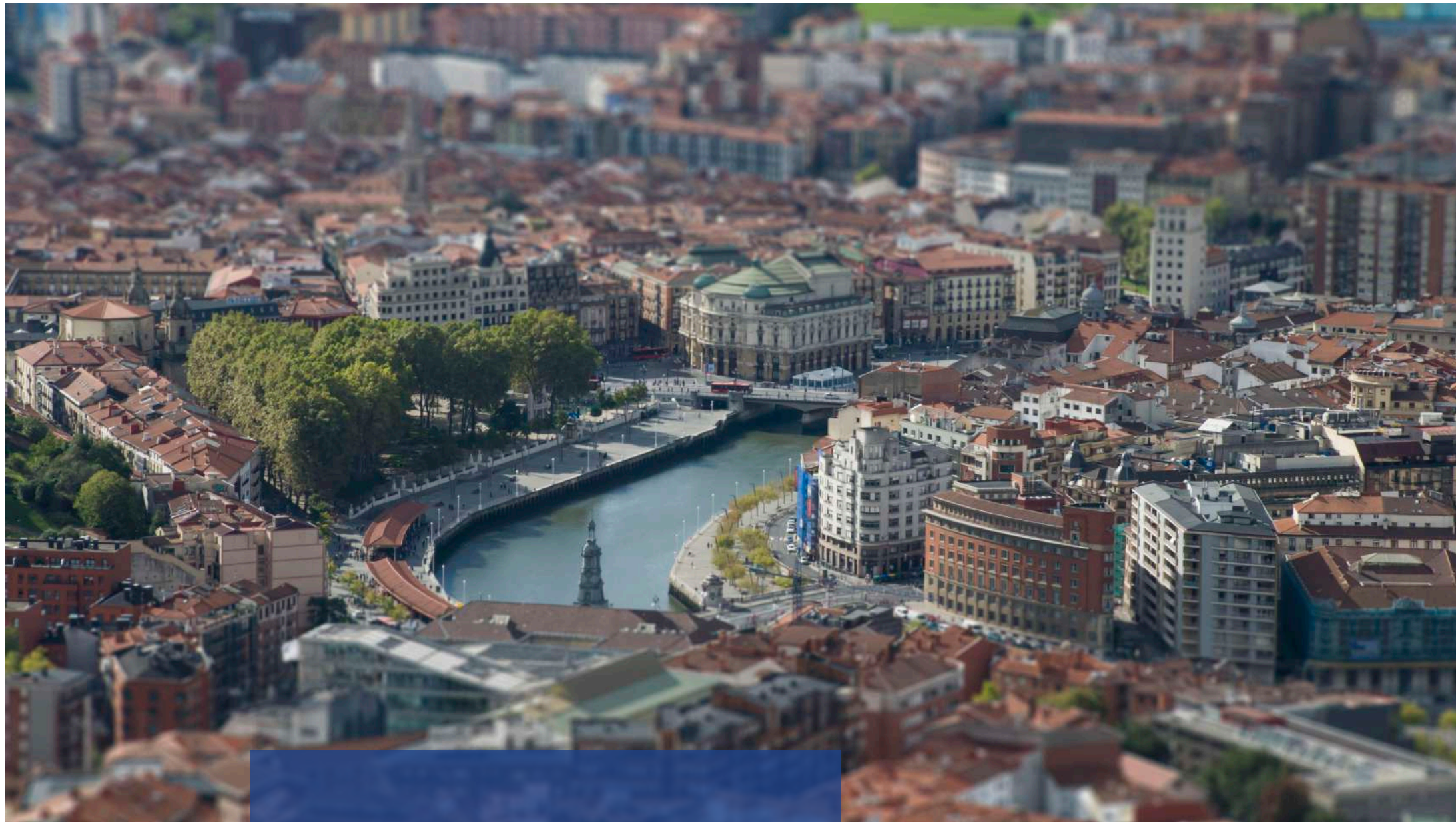


In conclusion, SUM Bilbao 19 congress turned, made Bilbao, for two days, into the world capital of sustainable urban mobility. An international meeting that allowed, in addition to enriching exchange of knowledge and experiences, the Adhesion of Bilbao to the Mobility Champions Community and the signing of the Declaration of Bilbao, a programmatic document that reflects the commitment made by the signatories to build bridges between current mobility policies and practices towards models aligned with the Sustainable Development Goals and Agenda 2030.



2.

BILBAO, A GLOBAL
BENCHMARK FOR
SUSTAINABLE URBAN
MOBILITY



Today, the city of Bilbao is internationally recognized because of its transformation process. However, this has not always been the case. Before the nineties, Bilbao was a highly polluted industrial city. However, today, the flag of sustainability flies in this Basque city, which claims about having a sustainable urban mobility model of global reference.

The transition towards sustainability

Historically, Bilbao has been a city in continuous social, economic and urban development thanks to the dynamism of its port, as a strategic point in maritime trade. Bilbao experienced in the second half of the XIX century a strong impulse in its development process. The railroad arrived during this period along with an increase in commercial and port activity, and the

steel and shipbuilding industry was established, together with mining exploitation. **This new economic activities caused a major impact in the city**, transforming the urban landscape into an industrial landscape, dominated by pollution and the absence of green spaces.

Towards the end of the XX century, precisely that industrial engine represented by the naval and mining industry –which had been the source of Bilbao's progress- entered into a deep crisis, forcing the city to rethink its economic model. In this sense, Bilbao changed course, orienting its economy towards other sectors in the field of services and innovation. This process was accompanied **by an urban transformation policy which today is studied as a paradigm of change in cities**. A symbolic fact of that end of stage was the closing of the Euskalduna shipyards in 1988, which later became the Euskalduna Conference Centre, the venue of the SUM Bilbao 19.

During the last 25 years, the Biscayan capital invested in large projects, such as the rehabilitation of the Estuary, the recovery of Old Quarter, the construction of new infrastructures, as well as the Guggenheim Museum, which is currently the city's most popular landmark. As a result of this industrial reconversion and urban environmental regeneration, today Bilbao is an awarded and internationally recognized city because of its modern character which makes a decisive commitment to new technologies and sustainability. Awards and recognitions include the **"First Lee KuanYewWorld City Prize 2010"** (also known as the 'Nobel for cities'). Also, it was selected as the "Best European City 2018", according to the Academy of Urbanism.

The pillars of the Bilbao mobility model

The success of the Bilbao mobility model is mainly due to the efforts made by the city to encourage that all travels which take place in the within the city and its surroundings are **respectful with the environment, favour social inclusion and generate opportunities for social development in the territory**. In addition, these efforts are made in a collaborative way among various urban stakeholders. These are the four pillars Bilbao's sustainable mobility model is based on:



Respect for the environment

In order to cut CO2 emissions, Bilbao is making progress in the energy transition towards mobility models that do not depend on fossil fuels. Some actions include:

- Promoting the purchase of electric vehicles through tax reductions and the installation of charging points.
- Facilitating the **acquisition of electric or hybrid vehicles** through subsidies, especially for occupational groups such as taxis.
- Renewing the fleet of urban buses, replacing them with electric buses or buses that run on biodiesel.
- Promoting **alternative mobility models** by offering the public bicycle loan and/or shared mobility services (i.e. Bilbon Bizi).

Safe, inclusive and healthy mobility

- The **intermodal public transport system** makes the city more inclusive, since it enhances urban and metropolitan connectivity, is adapted to functional diversity, is affordable, and ensures a sufficient frequency and territorial coverage.
- The physical activity of the local population and visitors is promoted through different route programmes around the city and its green areas.
- The **maximum permitted speed** within the city centre **has been reduced to 30 km/h** with the aim of improving road safety and avoiding accidents.
- Currently, the city is designing of a **mobility action plan focused on gender**, which, among other things, contemplates intermediate stop services on Bilbobus night bus routes.

Economic development

- **Public transport services have been gradually extended** during the last years with investments on infrastructures: metro, tram, funicular, high-speed trains and bus networks (Bilbobus and Bizakibus).
- Transportation success in Bilbao also relies on its intermodal transport system, which combines ground, aerial, fluvial and maritime transportation, including: highways, railways, ports, river boats and the international airport.
- **The automotive sector is a strategic sector in the Basque economy**, due to its volume of production and its level of modernization based on R+D+i. In fact, the Euskadi automotive cluster, which is formed by 300 companies, is driving growth for their businesses towards sustainable urban mobility.

Governance

- Bilbao has the **Sustainable Urban Mobility Plan (SUMP)** for the 2015-2030 period, aims to making Bilbao a sustainable, efficient and healthy city.
- The SUMP has been designed with the participation of citizens and taking into account their interests and vision.
- All parties in the city council have signed the "Pact for Mobility" in order to guarantee for the proper implementation of the SUMP. In this sense, a Mobility Forum has been set up, a body that will be responsible for evaluating the SUMP implementation process every two years.
- The private sector is also committed to the construction of sustainable urban mobility models. The SUM Bilbao 19 is a good example of that, an event jointly organized by the City Council of Bilbao and Petronor, which drawn more than 1,400 representatives from the private sector, local governments, research and professional centres, associations and clusters.

3. ORGANIZERS



BILBAO, AN INTERNATIONAL REFERENCE IN SUSTAINABILITY

Bilbao is internationally-recognized because of the urban regeneration the city went through at the end of the XX century. It was a city that successfully reinvented itself when its industrial character came to depletion, and its grey and cloudy sky distanced the possibility of achieving new economic impulses.

That transformation is a reality today, but that is also the situation in the rest of cities of our surroundings, which have gradually been building their own urban revolutions. Changes, that unfortunately, have rarely taken into account the people who live in them.

Cities of the future must be sustainable, but above all healthy, because only this will make them attractive and, therefore, competitive.

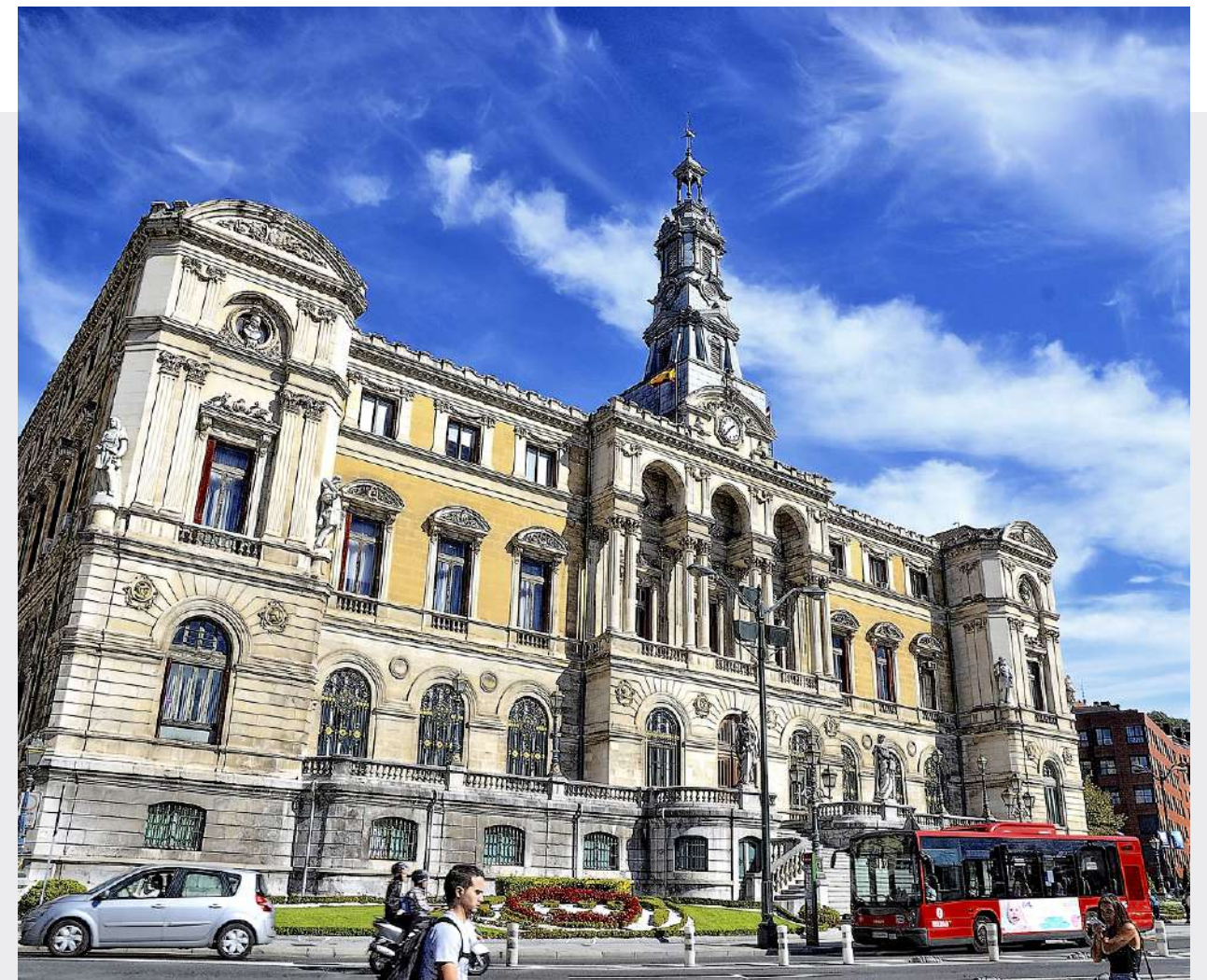
And in Bilbao we have understood perfectly well that a big part of the success or failure is directly related to the mobility policies we design and implement.

In the middle of this reflection we came up with the possibility of being the hosting city of an

international congress such as the SUM Bilbao 19, an opportunity to position Bilbao at the centre of the global reflection on the future of mobility, including its challenges and opportunities.

A meeting to analyse and debate the challenges in the path towards achieving sustainable cities, and turn the city into a laboratory for the innovation in urban mobility, the use of energies and digitalisation. Creating a space for the interaction and dialogue between all stakeholders working on smart and sustainable mobility models, where they could share the experiences and future visions of different cities around the world.

SUM Bilbao 19 provides a platform where public and private sectors could come together and work closely developing a mobility model designed to improve the health and wellbeing of people and that directly affects in eradicating the differences it causes in society, including gender inequality.





PETRONOR AND SUSTAINABLE MOBILITY

In 1986, Petronor the first refinery in Spain to offer unleaded gasoline and, since then, has been producing increasingly cleaner and more efficient fuels. As part of Grupo Repsol, the company is committed to energies that contribute to improving in mobility, seeking energy efficiency and quality. Another key aspect to electric mobility is the development of batteries which have to be smaller, with greater autonomy, affordable, charged extremely fast and recyclable –in a more efficient way- at the end of their useful life. There is also a need to change the energy mix, with a prominent role for renewable energies.

Main actions carried out by Petronor are closely related to the charging of electric vehicles, in partnership with IBIL, and have to do with ultrafast charging and the development of new charging services. In addition, the company is working on platform for the management of energy services associated with mobility.

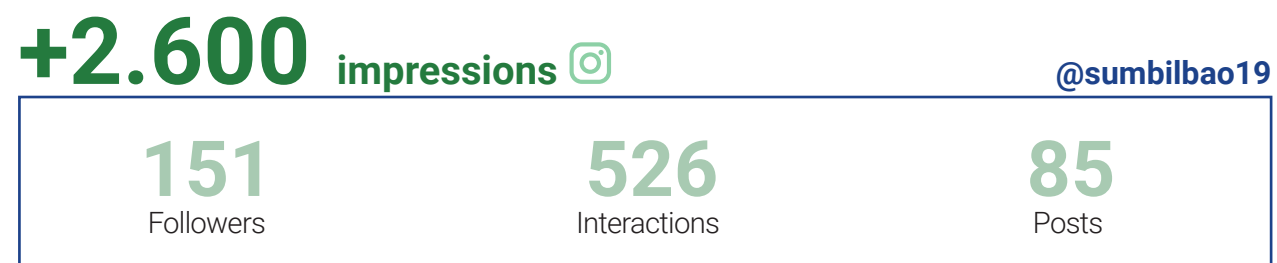
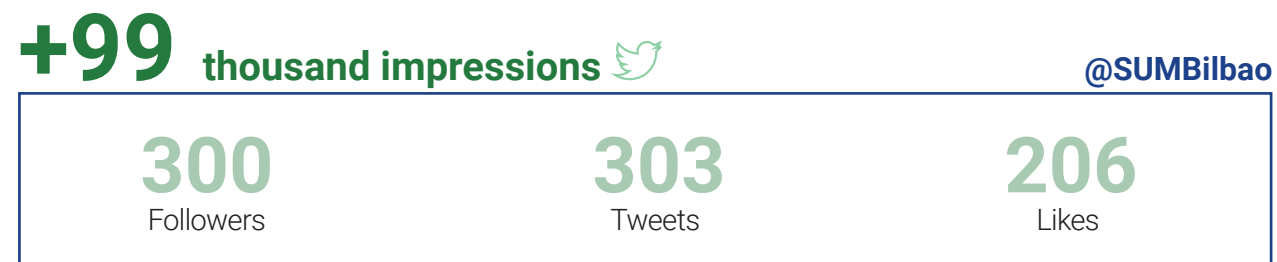
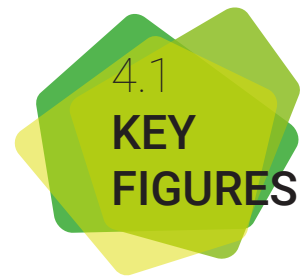
Tecnalia (the largest technological centre in Spain, with which Petronor has a strategic long-term collaboration agreement) is one of its reference partners, together with Cidetec (in the development of batteries and energy-storage solutions) and Vicomtech (in image intelligent analysis solutions and data analytics).

Petronor, with a productive potential of 12 million tonnes of crude oil per year, has 940 permanent workers and an induced occupation of 6,200 people. In the last five years it has contemplated a total investment of 1,200 million euros. It generates more than 40% of the movement of the Port of Bilbao and exports more than a third of its production, which represents 18.21% of Bizkaia and a total value of 9.7% of Basque production.



4. THE CONGRESS





All impressions generated in social networks were organic

1,5 days of congress



The congress was held on February 20th and 21st, 2019.

77 speakers



The congress featured a total of 15 sessions organized around three thematic axes.

550 companies

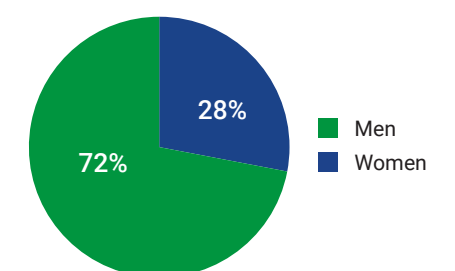
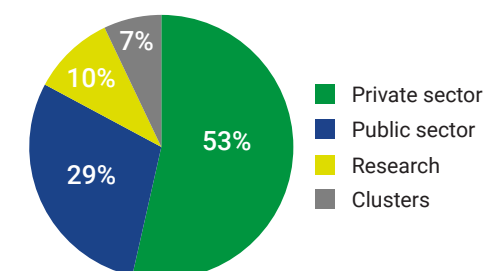


Attendees came from more than 550 companies both public and private.

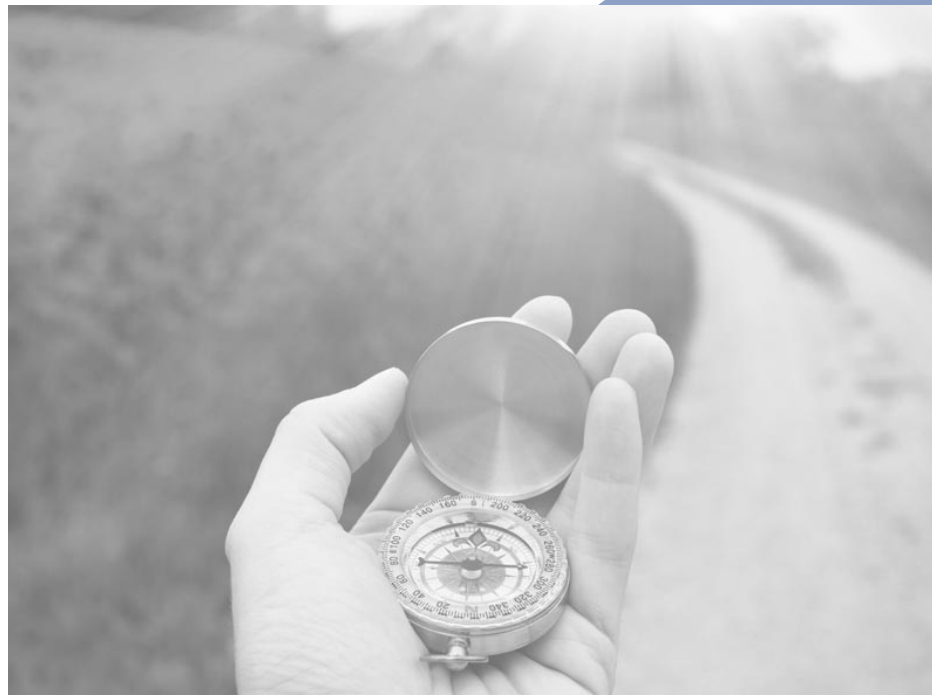
1400 attendees



More than half of these people (53%) work in the private sector and a significant proportion of them in the public sector. Representatives from education and research centres (10%) and people from associations and clusters (7%) also took part in the event.



4.2 MAIN TOPICS



Strategies and Public Policies for a more sustainable mobility

The recognition of the environmental, social, political and economic impacts of mobility, both for people and goods, is leading cities and territories to accelerate the transition towards **more efficient and sustainable models based on the use of new energies**.

The implementation and consolidation of these new mobility models require the formulation of **public policies**, or rules of the game, **promoting stakeholder alignment and engagement**. These can address issues such as inclusive social development, urban planning, health, safety, the environment, technology and innovation, among

others. In turn, the formulation of such policies might come from **citizens** (*bottom-up*), from **the authorities** (*top-down*) or from a hybrid **version which combines both** (*policy networks*).

Therefore, it is crucial to review the different plans, programs and projects that are currently being carried out by local governments in order to promote the configuration of new models of sustainable urban mobility in the local context, as well as to discuss the relevance of building **global regulatory frameworks** that guide and generate a commitment among cities to move forward in this direction.



Technology and innovation as solution providers for a more sustainable mobility

The 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 allows: the use of alternative combustibles and renewable energies which have an impact in the energy supply market for mobility; the emergence of new business models, such as the collaborative economy and carsharing; the evolution of software, meaning new applications and functionalities; monito-

ring through sensors which ease the management and control; the storage and use of huge amounts of data to promote the development of artificial intelligence systems; and, in general, the development of the ecosystem of transformation technologies (IoTSP, augmented and virtual reality, blockchain, additive fabrication, etc.).

In this sense, **the ICT have proven to be a strategic ally to increase the efficiency in the operation and management, as well as to reduce the negative impacts of the mobility systems in cities**.



Opportunities for socioeconomic development related to sustainable mobility

Sustainable mobility is a key factor in the emergence of **new opportunities for social and economic development in urban areas**, not only because its undeniable contribution to the construction of inclusive, safe, resilient and sustainable cities, but also because its potential to **activate a wide range of other economic sectors** through the demand for new goods and services, whose production and implementation generates a multiplier effect in the development.

In this context, the construction and consolidation of sustainable mobility systems will reduce gaps in access safe, reliable and efficient trans-

portation means – with a **positive impact in the levels of productivity and the quality of life of citizens**; reduce air pollution – which translates into environmental and public health benefits; and promote the appearance of new businesses and jobs related to innovation and technology along the whole value chain.

There is no doubt this is a favourable scenario for the construction of synergies between different public and private stakeholders, whose adequate articulation will generate opportunities for the development of new businesses and, in consequence, **the integral competitiveness of urban territories**.

TODOS LOS CAMINOS LLEVAN A ALGÚN LADO, LOS NUESTROS LLEVAN AL FUTURO



Inventemos el futuro

Durante 90 años en la industria energética, en Repsol hemos aprendido que la eficiencia, anticipación y las nuevas soluciones son clave. Es por eso que nuestra transformación en un proveedor multienergía ya está bastante avanzada para satisfacer tus necesidades hoy y mañana.

Descubre más en repsol.com



4.3
SESSIONS

OPENING SESSION

February 20th 09:00 - 09:40h Hall Barria

SUM Bilbao 19 seeks to become a **meeting and exchange space** which congregates public and private stakeholders with the capacity to make urban mobility models more sustainable. Hence, the Congress' initiated gathering the organizing entities and **authorities** representing the institutions which constitute the City of Bilbao governance system. During the inaugural session, these stakeholders expressed unanimously the need to continue building channels of dialogue and **inter-institutional cooperation** to establish common standards in the field of mobility that are aligned with the **Sustainable Development Goals (SDGs)**. In addition, they celebrated the initiative to hold this Congress, as it provides an exceptional opportunity for collaboration between interested parties. Finally, the leadership role of **local governments** in the transition towards sustainability was emphasized due to its proximity to the population and importance of cities in the 21st century.

Presenter:



VANESSA SÁNCHEZ
Journalist

PARTICIPANTS

Interventions:



IÑIGO URKULLU
President of the Basque Country Government.



HUGO MORÁN
Secretary of State for the Environment, Spanish Government



JUAN MARI ABURTO
Mayor of Bilbao



ABEL CABALLERO
Chairman of the Spanish Local Governments Association (FEMP) and Mayor of Vigo



IMANOL LANDA
EUDEL - Association of Basque Country Municipalities Association and Mayor of Getxo



EMILIANO LÓPEZ
CEO, Petronor



TRENDS, CHALLENGES AND OPPORTUNITIES
IN SUSTAINABLE URBAN MOBILITY

TOPIC 1 February 20th 09:40 - 11:00h Hall Barria
SESSION 1 KEYNOTE

"Worldwide, transportation contributes to 23% of the world's emissions and one single item – personal cars – makes up 60-70% of those emissions. We also know that more than 50% of the world's residents choose to live in cities, and this is increasing every day.

[...] We need to make living in those cities both economically and personally rewarding and continue to encourage the shift to this more efficient lifestyle. Providing easy, sustainable, low-cost access to jobs, education, retail, and leisure activities is critical."

Robin Chase, The City Fix (2015)

During the Congress' first session, speakers shared their vision regarding the challenges and trends that exist in terms of global mobility. The session started by introducing **objectives and indicators established by the European Commission**, which measure the sustainability of mobility models in European cities. It was followed by introduction of the opportunities and challenges that **rapid global urbanization process** has brought and how public transport is a strategic element for the construction of sustainable and inclusive cities. Afterward, **the problems derived from the use of transport** which affects ci-

ties were explained and the how the World Bank-led platform SUM4All, is responding to these issues by connecting multiple agents and encouraging decisions towards safe, equitable, efficient and environmentally sustainable mobility. Meanwhile, UN Habitat presented the situation in **developing countries**, highlighting the need for collaboration between national and local governments, as well as dialogue between cities to share **best practices** in mobility. Finally, this session addressed the case of the city of Bilbao, highlighting sustainable mobility as a key element in the new transformation the city is undergoing.

Moderator:



DIONISIO GONZÁLEZ, Director of Advocacy and Outreach, International Association of Public Transport (UITP).

PARTICIPANTS

Speakers:



MATHEW BALDWIN
Deputy Director General for Mobility and Transport (DG MOVE)



NANCY VANDYCKE
Founder and head of "Sustainable Mobility for All" initiative (SUM 4 All), World Bank



JOSÉ LUIS IRIGOYEN
Senior Director of the Transport Global Practice, World Bank (2014-2018)



DEBASHISH BHATTACHARJEE
Head of Urban Mobility Unit in UN-Habitat's Urban Basic Services Branch, UN Habitat



ALFONSO GIL
Deputy Mayor and City Councillor for Mobility and Sustainability of Bilbao

SUSTAINABLE URBAN MOBILITY: BEST PRACTICES AND LESSONS LEARNED ALONG THE WAY

TOPIC 1

February 20th

11:30 - 12:45h

Hall Barria

SESSION 2

ROUNDTABLE

“Cities around the world are working towards improving the efficiency and sustainability of urban transport systems for the enhanced mobility of urban populations. Private car ownership is not only a source of mounting traffic congestion, but also an important cau-

se of local air pollution, and mounting social disparities (ITDP 2017). Countries and subnational governments have identified modal shift to public transport [...] as a key strategy for reducing emissions whilst increasing equity in urban mobility and accessibility.”

New Climate Institute & C40 Cities (2018)

The second session was held in a round-table format in which several mayors shared best practices and strategies they are being implemented in their cities to move towards models of sustainable urban mobility. In Valladolid several projects are being carried out to promote **electric mobility**, such as **offering incentives** for electric vehicles or the renewal of electric urban loading points. On the other hand, it was key in Cuenca to include **citizen participation** in the diagnosis of mobility problems

and including their considerations in the municipal strategies. Vitoria-Gasteiz, European Green City, the mayor noted that the **pedestrianization** and **the restriction of private motor vehicles** has encouraged active mobility, which today is the leading mode of transportation in the city. Lastly, the mayor of Jinja emphasized the role of **intermediate cities** for two reasons; they alleviate the **congestion** of large cities and on the other hand, their size is more manageable to respond to the challenges of mobility.

PARTICIPANTS

Moderator:



MÓNICA SOLÓRZANO

Technical Director at the Executive Secretary of FLACMA and Coordinator of the Practice Community for Sustainable Urban Mobility in Latin America

Speakers:



GORKA URTARAN

Mayor of Vitoria-Gasteiz



ÁNGEL LUIS MARISCAL

Mayor of Cuenca



MAJID BATAMBUZE

Mayor of Jinja



ÓSCAR PUENTE

Mayor of Valladolid

SUSTAINABLE URBAN MOBILITY BASED ON INNOVATION AND TECHNOLOGY

TOPIC 2 February 20th 12:45 - 13:45h Hall Barria
SESSION 3 KEYNOTE

“The mobility industry has not been spared by the recent spate of technological advancements and innovations driven by the fourth industrial revolution. These major technological develop-

ments, including big data, artificial intelligence, the Internet of Things and the emergence of new, compact forms of energy, have thrown up a range of new mobility options.”

Arthur D. Little & UITP (2018)

The future of sustainable urban mobility will depend, in a great extent, to the development of technology and applied innovation. In this context, this session’s speakers wanted to contribute with their vision on how **innovation is a transforming agent** towards sustainable mobility models. As an introduction, the mega-trends that are revolutionizing mobility were presented: **Mobility as a Service (MaaS), shared, electric, connected and autonomous mobility**. Likewise, during this session speakers emphasised the importance of investment

in innovation, both in public transport and in the **digital economy transition** to MaaS platforms. In addition, speakers emphasized the need to standardize current global parameters based on the latest technologies in order to make sustainable mobility models more competitive. Lastly, **AMETIC** presented their European Think Tank **#Vehicles7YN**, in charge of tracking these emergent trends as well as analysing the mobility ecosystem and their value chains in order to define possible scenarios for the future.


PARTICIPANTS

Moderator:



JAVIER COLETO
Market Director of Industry and Transport Division, Tecnalia


Speakers:




MARKO JAVORNIK
Vice President and General Manager of Mobility & Travel, Comtrade Digital Services



GUIDO DI PASQUALE
Deputy Director of Knowledge & Innovation, International Association of Public Transport (UITP)



DOLORES CÁRDENAS
Mobility advisor at the Technology and Corporate Venturing Department, Repsol



PEDRO MIER
Chairman, AMETIC

URBAN MOBILITY GOVERNANCE

TOPIC 1  February 20th  15:15 - 16:45h  Room A1

SESSION 4  ROUNDTABLE

“The challenges of urban mobility systems can only be addressed if they are seen as political challenges, requiring political consultation, decision and implementation, as opposed to seeing them as purely technical challenges requiring

the ‘right’ technical solutions. Thus, urban governance and related institutional and regulatory frameworks are at the heart of developing sustainable urban mobility systems, and, indeed, sustainable cities.”

UN Habitat (2013)

In this round-table, different stakeholders in the field of mobility from different latitudes presented their perspectives in regards to **creating spaces of collaboration** to promote governance mechanisms which consolidate sustainable urban mobility models. In this regard, this session started introducing the need to incorporate a strategic approach mobility policies in **Indian cities** which are based on different attributes, one of them being the “Communication and Coordination” between organizations

to make decisions of public interest rational which benefit society as a whole. Likewise, the new urban mobility model in Mexico City oriented towards pedestrians and cyclists was presented as an example of **cooperation between the private sector, civil society and the government**. In addition, the mayors Donostia and Irun presented their perspective and highlighted the measures that have been implemented in recent years to consolidate urban mobility models aimed at improving the **citizens’ quality of life**.

PARTICIPANTS

Moderator:



JOAN CLOS

Secretary General of United Nations and Executive Director (2010-2017), UN Habitat

Speakers:



SHREYA GADEPALLI

South Asia Programme Lead, Institute for Transportation and Development Policy (ITDP)



LAURA BALLESTEROS

Technical Secretary of the Women in Movement Initiative and Former Under-secretary of Planning, Mobility Department of Mexico City



JOSÉ ANTONIO SANTANO

Mayor of Irun



ENEKO GOIA

Mayor of San Sebastián

URBAN PLANNING FOR
SUSTAINABLE MOBILITY

TOPIC 1  February 20th  15:15 - 16:45h  Room A3

SESSION 5  KEYNOTE

“Mobility should not only be a matter of developing transport infrastructure and services. It has to be placed in a systemic

context including city planning as a whole, to overcome the social, economic, political, and physical constraints of movement.”

UN Habitat (2019)

The paradigm shifts in mobility of the 21st century are strongly linked to urban planning, as they require a change in the way cities are planned and **focus on citizens and the environment**. Hence, during this session, the combination of the **Transit Oriented Development (TOD) model with green urbanism was explored**. This involves facilitating pedestrian and cyclist traffic in front of motorized vehicles while promoting recycling and the integration of green elements in the city (parks, green

roofs, etc.). On the other hand, the concept of **“superblocks”** was explained during this session, which is an innovative solution to reduce vehicle traffic and noise and air pollution, while increasing the space designated for **pedestrians and cyclists**. Finally, the **MobiliseYourCity Partnership**, an alliance between **international cooperation agencies** whose aim is to improve comprehensive urban mobility plans in developing countries was presented.

PARTICIPANTS

Moderator:



JESÚS LOSADA, CEO, IHOBE

Speakers:



ROBERT CERVERO
Professor Emeritus, Department of City and Regional Planning, University of California, Berkeley



SALVADOR RUEDA
Director, Barcelona Urban Ecology Agency



SANDRA LAQUELLE
Consultora y Directora de Programa, Consultant and Programme Manager, Mobilise Your City Partnership.

SOCIOECONOMIC BENEFITS
OF SUSTAINABLE MOBILITY

TOPIC 3 February 20th 17:15 - 18:45h Room A1
SESSION 6 KEYNOTE

Sustainability is a general term that encompasses economic, environmental, and social factors. A sustainable approach therefore includes social benefits, such as reducing fatalities related to traffic, as well as long-term economic development goals. According to the

ITDP [...] sustainable urban transport “provides efficient access to goods, services, job markets, and social connections while limiting short- and long-term adverse consequences for environmental, social, and economic services and systems”.

Carnegie Endowment for International Peace (2013)

The implementation of urban models of sustainable mobility generates **socio-economic benefits** for cities from multiple perspectives. During this session, the speakers presented examples on the promotion of active mobility, public transport and the incorporation of new technologies in mobility which have an impact on the sustainable development of the city. For example, the city of Boston is carrying out experiments with autonomous vehicles in

Boston, which aim to solve serious **road safety problems** that the city faces. On the other hand, the Government of Hidalgo (State of Mexico) reflected on the convenience of articulating different mobility modes in systems that favour the displacement of people in conditions of **equity and universal access**. Finally, the speakers underlined the role of public transport as a tool to improve the air quality of cities and therefore **public health**.


PARTICIPANTS

Moderator:



ANDRÉS MONZÓN DE CÁCERES
Professor of Transportation Studies,
Transportation Research Center -
TRANSyT, Polytechnic University of Madrid.

Speakers:



KRIS CARTER
Co-Chair, City of Boston Mayor’s Office
of New Urban Mechanic



SÉRGIO AVELLEDA
Urban Mobility Director, WRI Ross Cen-
tre for Sustainable Cities



ALBERTO RAMÍREZ
Head of Mobility, Mobility and Transportation
Secretary at the State of Hidalgo (Mexico)

MOBILITY FOR AN INCLUSIVE CITY

TOPIC 1  February 20th  17:15 - 18:45h  Room A3

SESSION 7  KEYNOTE

“Lack of access to transportation, especially in peripheral urban areas in developed countries and marginalized neighborhoods in developing countries, frequently aggravates economic and social isolation and segregation. However, with sufficient support cities can promote inclusive and integra-

ted urban planning and transport policies and transform their transport systems. Public transport is central to these policies, enhancing access for all and giving particular attention to the rights of women, youth, people with disabilities, older persons and other vulnerable groups”

United Cities and Local Governments – UCLG (2018)

Sustainable urban mobility is key to promoting **social inclusion** as it can ensure citizens their right to move around the city. This session highlighted the role of the **gender perspective** in promoting inclusive mobility. The session started by highlighting that women are the main users of public transport despite being most vulnerable, as they are constantly exposed to **sexual harassment** incidents. Subsequently, it was pointed out that as women are generally in charge of

domestic tasks, they have special mobility needs. These mobility patterns show that they tend to be shorter but more numerous journeys. Therefore, speakers concluded that **public transport** should not be gender neutral. An interesting initiative was presented as an example of this approach by the municipality of Santa Ana (Costa Rica) in which a group of women are being empowered through **bicycle mobility**.


PARTICIPANTS

Moderator:




MIGUEL ÁNGEL GÓMEZ VIAR
Deputy for Mobility, Transportation and Territorial Cohesion, Biscay County Council

Speakers:



KARLA DOMINGUEZ
Gender Specialist, World Bank



HEATHER ALLEN
Independent Consultant on Gender and Urban Transport



GABRIELA COB
Founder of the Santa Ana initiative in Cleta, Costa Rica

THE FUTURE OF THE AUTOMOTIVE
INDUSTRY AND SUSTAINABLE
TRANSPORTATION

TOPIC 2 February 21st 08:30 - 09:20h Room A1
SESSION 8 KEYNOTE

“The future of transportation is seamless mobility—where all modes of transportation are fully connected into a single, integrated network of transportation modes, with public transit at the center. This future is happening right now. We

can already see it manifesting in the idea of shared mobility, where cars and bikes are borrowed instead of owned. [...] Autonomous vehicles are also a part of the future and won’t displace mass transit.”


*Doug Kaufman, CEO de TransLoc,
Futureofeverything.io (2017)*

The automotive and transport industry is facing a **paradigm shift** which regards many factors: mobility models based on the rise of **new technologies**, social and demographic changes, the **increasing importance of cities** and the path towards **sustainability**. In this regard, major trends are emerging: electric mobility, connected, autonomous, shared and zero emissions. The presentations of this session highlighted that in order to maintain Spanish industries

competitive, they must move towards the production of **low-environmental impact vehicles**. Along these lines, Kapsch presented the solutions they are developing which seek to **optimize traffic management**, in order to rationalize the use of infrastructures based on new mobility models. Finally, Alsa explained the **adaptation of their products** to new sustainable urban mobility models, such as the inclusion of electric buses or alternative fuels within their fleets.


PARTICIPANTS

Moderator:




MIKEL LORENTE
Technical Director, ACICAE / AIC-Auto-
motive Intelligence Centre


Speakers:



MIGUEL ÁNGEL ALONSO
Director of Maintenance and Engineer-
ing, ALSA



JAVIER AGUIRRE
Chair/CEO, Kapsch TrafficCom Spain
& Portugal



MARIO ARMERO
Executive Vice President, Spanish Asso-
ciation of Automobile and Truck Manu-
facturers – ANFAC

R&D FOR NEW SUSTAINABLE
MOBILITY MODELS

TOPIC 2 February 21st 09:20 - 10:10h Room A1
SESSION 9 KEYNOTE

“Innovative measures relying on telematics have proven to be useful in the implementation of local transport policies. In several policy initiatives, ITS have been used to assess traffic flow, carry

out remote surveillance and provide instant information to users. Knowledge and expertise in relation to ITS technology is vital in order to ensure the smooth implementation of a mobility plan.”

ICLEI (2014)

The **research and development of new technologies** are key processes that allow the creation of **innovative sustainable urban mobility solutions**. Therefore, this session exposed some of the tools that are revolutionizing mobility. In the first place, there was a presentation advantages of intelligent driving systems (Driver Monitoring Systems - DMS) in which Vicomtech is working on to improve road safety through the prevention of accident risks have been presented. Subsequently, the **applications**

based on artificial intelligence developed by IBM Ireland were presented in collaboration with a wide network of allies. Their value lies in their ability to manage large amounts of information that subsequently allow the search for factors that explain the patterns of mobility. Finally, Irizar e-mobility introduced the solutions they have developed for both for the **manufacture of 100% electric vehicles**, and for the manufacture and installation of loading, traction and storage of energy infrastructures.

PARTICIPANTS

Moderator:



LUZ PÉREZ
Chair at the Basque Mobility and Logistics Cluster, and Logistics Director at Uvesco Group

Speakers:



OIHANA OTAEGUI
Intelligent Transport Systems (ITS) Department Director, Vicomtech



HECTOR OLABEGOGESKOETXEA
Executive Director, Irizar emobility



GAVIN SHORTEN
Head of IBM Ireland Innovation Exchange, IBM Ireland Lab

NEW ENERGIES ON URBAN MOBILITY

TOPIC 2

February 21st

09:20 - 10:10h

Room A3

SESSION 10

KEYNOTE

“Cities will need to make the transition from fossil fuel dependence to operating as low-carbon “electric cities.” This transition entails three types of technological development: shifting from fossil

fuel-powered to electrically powered engines and devices, which we term electrification, generating electricity from renewable or fossil fuel-free sources, and implementing energy efficiency measures.”


WRI Ross Center for Sustainable Cities (2019)

It is necessary that sustainable urban mobility involves a **decarbonisation** process in which fossil fuels are replaced by **less polluting energy sources**. During this session, several areas which influence the consolidation of this energetic transition have been addressed. IBIL, a leading company in **urban freight services** explained the process to meet the demand of drivers who do not have facilities to load their vehicles. On the other hand, CAF has presented the benefits of the **hydrogen-based battery** on the

increase in autonomy, battery life and performance of the vehicle, which at the same time reduces its loading time and cost. In addition, this session addressed the need to ensure that the production of such batteries has the **minimum possible environmental impact**. Finally, EV Connect highlighted how the consolidation of electric mobility can **generate business opportunities** for other companies, and presented their cloud platform which connects users and companies throughout the supply chain.


PARTICIPANTS

Moderator:



IÑIGO ANSOLA
Director General, Basque Energy Agency (EVE)


Speakers:



JORDAN RAMER
CEO, EV Connect



IMANOL ITURRIOZ
Head of R&D Department, CAF Group



AITOR ARZUAGA
General Manager, IBIL

SUSTAINABLE MOBILITY AS AN OPPORTUNITY FOR THE START-UPS ECOSYSTEM

TOPIC 3

February 21st

10:10 - 11:10h

Room A1

SESSION 11

KEYNOTE

"In addition to the increasing demand for urban mobility, mobility needs are evolving. Changing travel habits, demand for services to increase convenience, speed and predictability, as well as expectations toward individualization

and sustainability will require mobility services portfolio extension as well as business model transformation while specialized players from other sectors are assessing opportunities to play a role in the extended mobility eco-system."

Arthur D. Little & UITP (2013)

This session shed light to companies whose economic development is linked to sustainable urban mobility while new mobility paradigms develop **new business opportunities** which trigger the creation of start-ups dedicated to sustainable urban mobility. Along these lines, the **social technology** that **BetterPoints** has developed was presented, proposing to promote **changes in citizen behavior** through an app that offers rewards to people who decide to move around their cities in a sustainable manner.

Following this presentation, Imatek presented its Smart Action Plan for Sustainable Urban Mobility project with the Bilbao City Council which aims to reduce the **noise pollution** of the city as well as outlining the potential applications that the **IoT (Internet of Things) technology** office to mobility service. Finally, **NextBike** emphasized the role of the **bicycle** as a **key element** in the sustainable mobility models of many cities, as it can integrate within urban multimodal systems offering **first and last mile services**.

PARTICIPANTS

Moderator:



LUIS BERASATEGI
Coordinator of Bilbao AS Fabrik

Speakers:



DAN GIPPLE
Co-Founder and CEO, BetterPoints LTD



JOHN ALEXANDER RAMIREZ
International Business Development Manager, NEXTBIKE GmbH



ITZIAR SANTXEZ
CEO, Imatek Advanced Technologies

SUSTAINABLE MOBILITY IN SMART CITIES: STRATEGIC COMPONENT IN THE FUTURE OF METROPOLITAN AREAS

TOPIC 2

February 21st

10:10 - 11:10h

Room A3

SESSION 12

ROUNDTABLE

“Smart mobility is about making transport more connected, more efficient, and more flexible. It is the backbone for growth in today’s urban environments, and can encompass everything from mass transit and car and bike-sharing ser-

vices to private cars and commercial vehicles. Taken as a whole, smart mobility helps people and goods move more effectively and more efficiently, so everyone – long-term resident or short-term visitor – has a better day-to-day experience.”

Christian Lackner, NXP (2018)

Cities and their metropolitan areas are becoming **intelligent territories** which profit the advantages offered by new technologies. During this session, speakers presented the efforts that are being made to **solve the problems** utilizing **using smart mobility technologies**. Examples of this include the project “A look into the future”, which explained the impacts of the **autonomous and connected vehicle in the metropolitan area of Bilbao** are staged. Meanwhile, the

Durango City Council outlined its mobility projects focusing on new technologies. **ERTICO** highlighted the importance of smart mobility to address the problems of **dense urban centres** and how they achieve it by identifying the advantages offered by the **IoT and big data**. Finally, this session presented the potential of **Euskadi’s technology parks** and how they are reducing the impact of the **displacement of their 17,000 employees**.

PARTICIPANTS

Moderator:



PILAR ELEJOSTE

Head of DeustoTech Mobilty, University of Deusto

Speakers:



IDOIA POSTIGO

Deputy Director of BM30



FRANÇOIS FISCHER

Senior Manager Innovation and development, ERTICO – ITS Europe



AITZIBER IRIGORAS

Mayor of Durango



ITZIAR EPALZA

CEO, Euskadi technological park network

THE EMERGENCE OF NEW PARADIGMS AND URBAN MOBILITY MODELS

TOPIC 3

February 21st

17:15 - 18:45h

Room A1

SESSION 13

KEYNOTE

“The need to provide clean, decarbonized, and efficient transportation is crucial to solving many of the most serious challenges facing cities—including pervasive air pollution, traffic congestion, and greenhouse gas emissions. EVs, automated vehicles (AVs), intelligent transportation systems, smart parking systems,

last-mile logistics, mass transit innovations, and mobility as a service options are expected to approach mainstream adoption within the next decade. Together, these technology innovations have the potential to address major urban challenges and transform mobility in the city.”

Navigant Research (2018)

This session was based on an analysis of the effects that rise from the paradigm shift in mobility from the perspective of both the **energy sector and local management**. In order to illustrate the developments in the public sector, the experiences of **two municipalities** were presented. San José (Costa Rica) shared mobility policies which focus on the **pedestrianization of the city centre, which aims to** reactivate this are of the city. Meanwhile, Rivas Vaciamadrid (Spain) pointed out the relationship of its **mobility model** with the changes occurring in the

neighbouring city of Madrid, as well as the challenges that these relationship poses. On the other hand, Red Eléctrica de España (Spanish Electric Network) presented the **Electric Mobility Guide**, written in collaboration of the FEMP and IDEA. Its objective is to promote this type of mobility by providing information to local governments. During this session, it was also highlighted that the **electrical system is already ready** for the expansion of the new paradigm based on electric mobility.

PARTICIPANTS

Moderator:



RAFAEL BARBADILLO

President, Spanish Confederation of transport (CONFEBUS)

Speakers:



DANIEL JAIKE

Deputy Director, Municipality of San José (Costa Rica)



PEDRO DEL CURA

Mayor of Rivas Vaciamadrid



SUSANA BAÑARES

Head of the Demand Management and Intelligent Networks Department, Spanish Electric Network (REE)



ALLIANCE FOR SUSTAINABLE MOBILITY

📅 February 21st ⌚ 11:30 - 13:05h 📍 Hall Barria
👥 ROUNDTABLE

SUM Bilbao 19 Conference's closure included a dialogue between high-level representatives of different **actors who have the ability to influence** the paradigm shifts towards sustainable urban mobility models. This gathering confirmed that our societies need to make progress towards sustainable urban mobility, through a process of **energy transition** consistent with the **reduction of environmental impact**. In this regard, speakers highlighted that new technologies must still mature to truly

achieve **zero emissions throughout the entire automotive value chain**. Likewise, this dialogue emphasized the importance of the processes in mobility which encourage **public-private partnerships** and that are held within **realistic frameworks reference that can be assumed** by all stakeholders, including citizens. Finally, all the participants of this closing session expressed their willingness to continue working towards sustainable urban mobility.

Moderator:



MANU ÁLVAREZ
Economic Correspondent, El Correo

PARTICIPANTS

Speakers:



JUAN MARI ABURTO
Mayor of Bilbao



ANTONIO BRUFAU
President, REPSOL



PERE CALVET
CEO, Catalan Government Railways (FGC) and Chair of the International Association of Public Transport (UITP).



ROLAND RIES
Mayor of Strasbourg and co-chair of the UCLG Community Practice on mobility



EMILIO TITOS
CEO, Mercedes-Benz Spain's Factory at Vitoria-Gasteiz



ADHESION CEREMONY OF THE CITY OF BILBAO TO THE MOBILITY CHAMPIONS COMMUNITY

February 21st

13:05 - 13:15h

Hall Barria

In line with the spirit of the Congress to promote alliances which encourage sustainable urban mobility, SUM Bilbao 19 Congress finished with the official adhesion of Bilbao to the **Community of Champions in Mobility**. This Community, which is promoted by the United Cities and Local Governments (UCLG) network and the International Union of Public Transport (UITP), is the first global platform of local leaders whose objective is **to defend sustainable urban mobility**. In this platform, experiences are

shared among the members in terms of the implementation of sustainable urban policies that ensure **accessible, inclusive, competitive, resilient and gender equality development for present and future generations**. The city of Bilbao has been invited to be part of the Community of Champions in Mobility as a recognition for its **leadership** and vision in the development of public transport projects that guarantee more accessible, efficient and safe cities.

PARTICIPANTS



JUAN MARI ABURTO
Mayor of Bilbao



ROLAND RIES
Mayor of Strasbourg and co-chair of the UCLG Community Practice on mobility



PERE CALVET
Catalan Government Railways (FGC) and Chair of the International Association of Public Transport (UITP)

4.4

DECLARATION
OF BILBAO

The SUM Bilbao 19 congress brought together more than 580 representatives from the private sector, more than 300 representatives from the public sector and more than 150 representatives from research centres and associations, in the field of sustainable mobility. In this context, the Declaration of Bilbao could not have a better scenario for its signature, as it is a pioneering document which promotes the alliance between public and private stakeholders around shared objectives that makes it possible to consolidate sustainable urban mobility models.

The Declaration of Bilbao “Towards a more sustainable urban mobility” defines **10 objectives aligned with the New Urban Agenda, the 2030 Agenda and the Sustainable** Development Goals and has been signed by the companies and institutions organizing, supporting and sponsoring the event.

The Declaration of Bilbao was signed by both public representatives and high-level executives at companies seeking for transformation towards sustainable urban mobility. The signing ceremony took place shortly after the Final Session. Representatives from the entities which were organizing and supporting the event were invited to the stage congregated in front of the audience and proceeded to sign the Declaration. The document had been previously signed by representatives from the entities sponsoring the congress.



JUAN MARI ABURTO
Mayor of Bilbao

“Signs the Declaration because that sustainable, inclusive and wealthy cities can only be achieved by means of dialogue and work among all sectors involved”



IMANOL LANDA
President of the Association of Basque Municipalities (EUEDEL), and Mayor of Getxo

“Signs the Declaration because sustainability is the seal of identity and quality of Basque Municipalities, which includes urban mobility policies”



ROLAND RIES
Mayor of Strasbourg

“Signs the Declaration because of Strasbourg’s deep conviction that it is only through an enhanced partnership and responsibility of territorial entities that the reality of global transformations can happen”.



ALFONSO GIL
On behalf of the Spanish Federation of Municipalities and Provinces (FEMP), Deputy Mayor and City Councillor for Mobility and Sustainability, City Council of Bilbao”

“Signs the Declaration because local mobility policies are key to addressing many of the challenges of cities, such as the quality of life, social inclusion, gender equality and socio-economic development”



EMILIANO LÓPEZ

CEO, Petronor

"Signs the Declaration because energy provider companies are committed to the promotion of the new mobility models, favored by certainty frameworks established by governments, thus being part of the solution".



EMILIO TITOS

CEO, Mercedes-Benz Spain's Factory at Vitoria-Gasteiz

"Signs the Declaration because the automotive industry, and Mercedes-Benz, in particular, have been betting on sustainable urban mobility for some time and will continue to do so in the future".



VICTOR LOPEZ MENENDEZ

Director of Transportation, ALSA

"As an environmentally responsible transport operator, ALSA shares the same commitments and adheres to the Declaration of Bilbao for a more sustainable urban mobility".



JUAN MARIN

Director of Cities in Spain and Portugal, Kapsch

"Kapsch signs this Declaration as promoters of the use of innovative technology to manage mobility in cities, seeking to make it safer, more efficient and sustainable".



NORA SARASOLA IRIZAR

Director of Social Projects, BBK

"Signs the Declaration because supporting sustainable urban mobility is a responsibility related to its commitment to the welfare of Basque society".



AITOR ARZUAGA

General Manager, IBIL

"Signs the Declaration because businesses and governments have to go hand in hand to efficiently address the challenges of mobility".



HECTOR OLABEGOGEASKOETXEA

Executive Director, Irizar emobility

"Signs the Declaration because electric mobility will be the paradigm shift for future mobility, but only if we all share the same framework".



ELADIO ORIVE

Director of Bizkaia Delegation, Environment Department, FCC

"Signs the Declaration because in order to solve current environmental challenges it is necessary to make decisions and undertake actions which concern mobility".



DANIEL NAVALON GARCIA

Manager of Spain's North Area, Sacyr Infraestructures

"Signs the Declaration because future transport infrastructures must be planned and design for sustainable mobility which we start building today".



ANDER MUÑOZ

Project Manager, Beaz Bizkaia

"Signs the Declaration because territorial development and companies' competitiveness will depend on their integration on sustainable supply chains".



IÑIGO ANSOLA

Director General, Basque Energy Agency (EVE)

"The Energy Agency of the Basque Government (EVE) endorse this Declaration because sustainable and decarbonized urban mobility is one of the pillars of energy transition in Euskadi".



ANTONIO GONZALEZ URQUIJO

Northern Spain Regional Delegate, Spanish Electric Network - REE

"Signs the Declaration because as an operator of the electricity system, whose mission is to ensure energy supply to all users, it considers that sustainable mobility models will not be viable without the participation of all involved stakeholders, including the energy sector in the designing process".



PEDRO MIER

Chairman, AMETIC

"Signs the Declaration because it is committed to building and sharing solutions to meet the challenges of the 21st century mobility".

"Towards a more sustainable urban mobility"

The Declaration of Bilbao emerges as an **international document** that brings together the commitments shared by local governments, international organizations, private companies from different sectors (automotive, transport, energy, technology, start-ups) and the academic and knowledge centres, with the objective to implement models of sustainable urban mobility in our cities.

OBJECTIVES:

The main objective of the Declaration of Bilbao is to compile the commitments shared by an array of public and private stakeholders, who

have the capacity to transform and generate an impact towards the construction of more sustainable urban mobility models. In this regard, the Declaration of Bilbao adheres to the efforts made at an international level to promote sustainable global development, **in line with the New Urban Agenda and the Sustainable Development Goals (SDGs)** and the **2030 Agenda**.

COMMITMENTS:

The public and private entities which are signing this document commit to undertake the following actions:

1 Local and regional governments commit to create spaces for the exchange of ideas and citizen participation in order to nourish the decision-making process in urban mobility. While the private and academic sector, as well as civil society organizations commit participate in this governance system.

2 Governing bodies commit to promote regulatory frameworks which allow the development of new mobility models, setting up the minimum standards that ensure environmental and social sustainability as well as incentive the socioeconomic development based on sustainable urban mobility. The business sector commits to comply with these regulatory frameworks and to develop and to new businesses around sustainable urban mobility models.

3 Local governments commit to putting urban planning at the service of sustainable mobility, guaranteeing the proper functioning of efficient, sustainable and inclusive public transport systems.

4 Transport, automotive and energy sector companies commit to gradually guide their design and production processes related to mobility towards sustainable means of transport, which generate minimal impact on the environment, while being safe and efficient. This commitment includes embracing alternative fuels as well upgrading the fleet, which will reduce emissions and improve the urban quality of air.

5 Companies and governing bodies commit to establish a roadmap that promotes the energy transition process in a more collaborative way, taking into consideration environmental issues and socioeconomic realities. Likewise, agents involved in the electric mobility industry agree to stablish a common road map for the implementation of electric mobility in cities, facilitating the construction of charging infrastructure.

6 Transport, automotive and technology companies commit to put their R&D&i processes and new technologies at the service of sustainable urban mobility. Likewise, companies which work in the handling of personal or sensitive data from citizens commit to protect their privacy. Public authorities will look after the fulfilment of this commitment and also integrate it into the governments' Smart City programmes, reinforcing smart mobility.

7 The authorities responsible for planning for transport and mobility in cities commit to implement equality and a gender perspective, promoting the participation of women in decision-making to design more safe and accessible transportation systems.

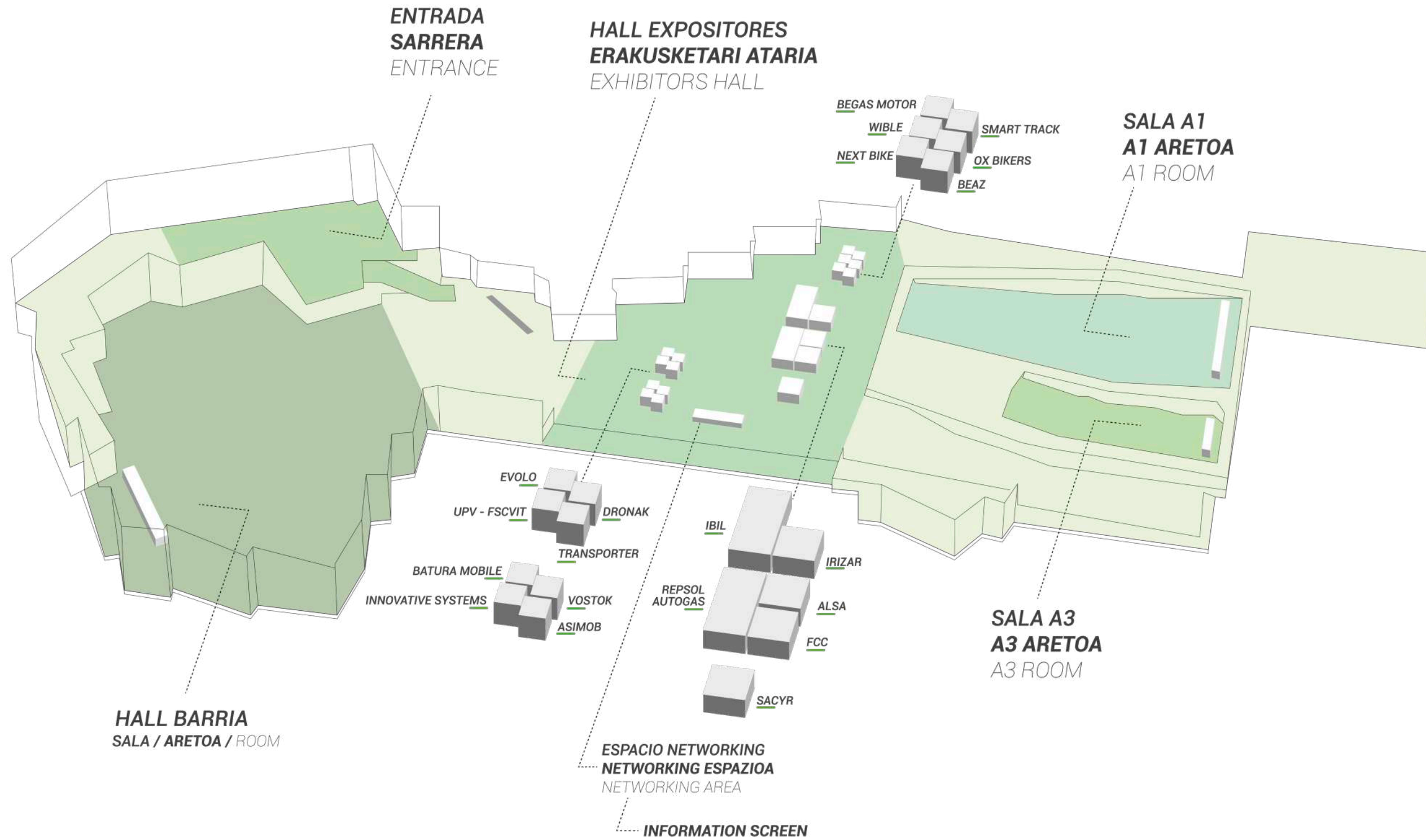
8 The agents involved in sustainable urban mobility will work to favour the social inclusion responding to the demands of the most vulnerable population groups. The private sector agrees to collaborate in the formulation and implementation of these initiatives which promote inclusiveness.

9 Local governments commit to promote the use of collective transport through the investment on collective transport systems which are affordable, accessible and effective. Local governments and society commit to seek and find a formula to make transportation both efficient and affordable.

10 Local governments commit to push forward initiatives related to urban mobility to reduce air and acoustic pollution, while companies commit to find alternatives which align to this vision.

In addition to the previous commitments, the organizations and entities signing the Declaration of Bilbao also **agree to periodically follow up on each other and use future editions of the Sustainable Urban Mobility Congress to share the progress made by their actions.**

4.5 NETWORKING ZONE





Speakers' Corner

The Speakers' Corner was a space which allowed the extension of the debates on the different subjects covered at the congress, but with a more relaxed and casual format. Located in a prime location within the Exhibition Hall, and only activated during the programme breaks, congress attendees had the chance to learn about interesting initiatives. A total of 7 presentations took place at three different moments.

LUNCH BREAK – DAY 1

JESÚS DE LA QUINTANA

Coordinator at the New Mobility Services Initiative, Sustainable Urban Mobility Actions Cluster (EIP-SCC) explained the mission and objectives of their an initiative which consist on the deployment of NMS in the urban context to help cities being more healthy, livable, accessible and prosperous.

XAVIER SANYER

Head of Mobility Service, Metropolitan Transportation Authority of Barcelona, reported on the progress made on the Master Plan for Mobility (pdM) 2020 - 2025 for the Metropolitan Region of Barcelona (RMB), comprising of more than 300 municipalities and almost 6 million people.

BENJA BALLESTEROS

Chairman of the Technologic Foundation to Promote Sustainable Mobility – MUISU, stressed the leading role of civil society in mobility and the recovery of spaces for active mobility.

COFFEE BREAK – DAY 1

EUSEBIO PUEBLA

CEO of Intelligent Parking, and Bartolomé Navarro, Technical Director of the Bike-In Factory, showcased the Autonomous Hub for cyclists, a safe parking space for bicycles with multiple functions (charging, management via app, etc.).

DANI RUIZ

Co-founder and CEO of TXITA, presented their proposal of cycle-logistics as a sustainable and friendly solution for urban freight distribution (UFD). Dani also detailed the full potential of the product's capabilities.



COFFEE BREAK – DAY 2

JUAN SACRI

Mobility and Energy Lead of Barrio La Pineda, presented this project of neighborhood co-creation and sustainable city in which future mobility is powered by clean energies.

ISIDRO ARRIETA

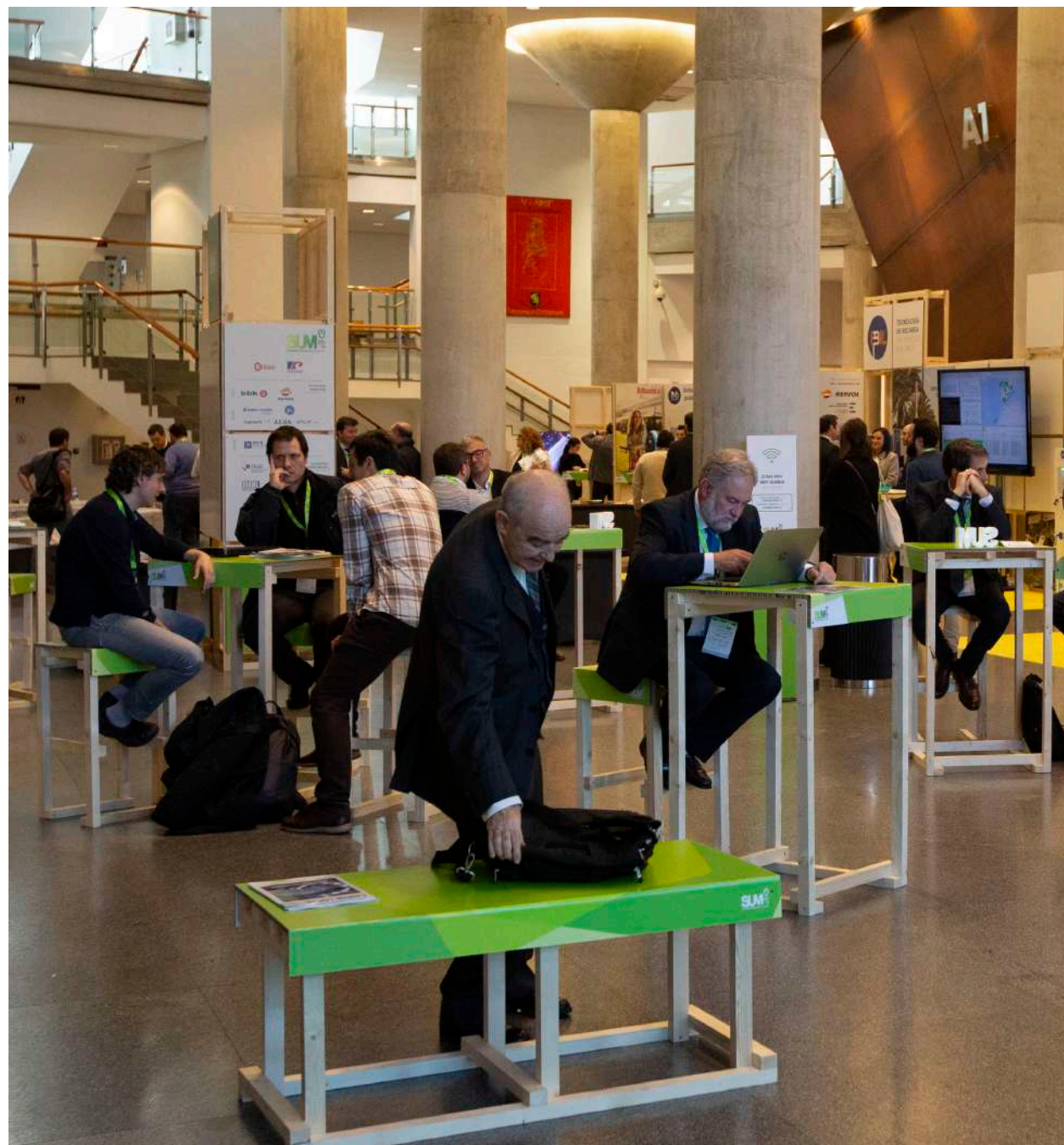
Electronics Engineer and Co-founder of Ingartek, analyzed the opportunities and constrains posed by the use of massive data sources for mobility planning.



Exhibition Hall

The Exhibition Hall was one of the key elements at SUM Bilbao 19. In fact, it was conceived as a meeting point for the exchange of solutions on sustainable urban mobility. Visitors also had the chance to discover the exhibition stands of some of the sponsors: Irizar e-mobility, ALSA, FCC Medio Ambiente, IBIL, Sacyr and Beaz.

Likewise, the congress provided several start-ups working in the field of sustainable urban mobility with the opportunity to showcase their innovative products and solutions for tomorrow's mobility.



BATURA

Batura is a company that develops mobile solutions based on APPs with the objective of digital transformation of multisectorial processes, with activity mainly in Industry 4.0, SmartCities, Agri-Food, Health and Mobile Marketing. Based in Bilbao, it has been working since 2006 on different mobile technologies with the same purpose: to provide a digital solution to different types of entities and organizations that allow them to improve their work processes and / or meet their market goals.



TRANSPORTER

Transporter is the first foray into the collaborative economy in the logistics and freight transport sector. This company is focused on the parcel service and e-commerce sector, connecting people and companies that need to send a package with the thousands of people who daily make trips with empty space in their vehicles. In other words, it is the AIRBNB or the UBER of the logistics areas and the transport of goods.

DRONAK

Dronak is a company in the aeronautical sector specializing in robotics technologies for remotely piloted vehicles, commonly known as "drones". Its activity is developed in three areas: 1. Operator area that performs specialized services through pilots and engineers; 2. R & D & I area that offers solutions for the industry with highly specialized drones and developed for specific purposes. 3. Dronak Academy, the training area that provides training for professionals.



INNOVATIVE SYSTEMS

D&A offers solutions based on identifying the unique fingerprint of each machine or process so that the manufacturer or user has control of the system receiving notifications in case of misuse or in case of anomalies. One of its services is Clospark – Integral Parking Management, which allows you to manage, rent and reserve public, private and community parking spaces more quickly and efficiently, linking the offer with the demand.

ASIMOB

ASIMOB (Advanced Services in Mobility S.L.) is a Bilbao start-up that was born in 2016 to offer services based on Internet of Things developments on board vehicles. ASIMOB offers services that allow the monitoring of transport infrastructures based on data collected from vehicles that normally circulate on the road. With the development of these systems, the company has positioned itself as a European reference in this field.

**OX RIDERS**

OX Riders is born from the overlay of a classic riding experience with the latest technology. Ø1 is our first fully electric motorcycle. Modular, entirely customizable by the final user, capable of reaching a maximum speed of 120km/h, it is connected to the network and available in vintage, sport and futuristic styles.

**VOSTOK ELECTRIC**

Vostok Electric is a startup focused on promoting electric mobility in cities. For this purpose, it designs solutions that offer users real alternatives to traditional options, which do not involve new limitations. The goal: to be able to enjoy the advantages of electric mobility without having to give up anything. The first Vostok product is an electric moped with removable batteries that can be charged at any house plug.

**EVOLO**

At EVOLO, they are responsible for the design, development, manufacture and marketing of electrically assisted tricycles, basing manufacturing on the highest quality and robustness possible since they take into account that they are vehicles for industrial and professional use. Its advantages over motor vehicles are: no time limits, no licenses, no insurance, no fines, no fuel costs and with legal capacity to drive in the same places as bicycles.

WIBLE

WIBLE is a carsharing company, owned by Kia and Repsol, which operates in Madrid with the aim of reinventing mobility in this city. To enjoy the service, just download your APP and register for free. Once this is done, you will have at your disposal a fleet of 500 Kia Niro plug-in hybrid cars, with 58km of electric power, more than 600km of autonomy thanks to its hybrid technology, 9 car parks distributed throughout Madrid and 3 intercity bases.

**BEGASMOTOR**

BEGASMOTOR is a company focused on the world of the automotive industry, specializing in ecological engines and electronic control of them for the market of alternative gaseous energies. Based in AIC, Bizkaya, BEGASMOTOR has achieved national and international recognition as one of the main players in LPG vehicle applications on medium to high performance roads. For 2 years, BEGASMOTOR has demonstrated the capacity and reality in the use, as an energy resource, of the AUTOGAS GLP for applications in medium and heavy transport.

**NEXT BIKE**

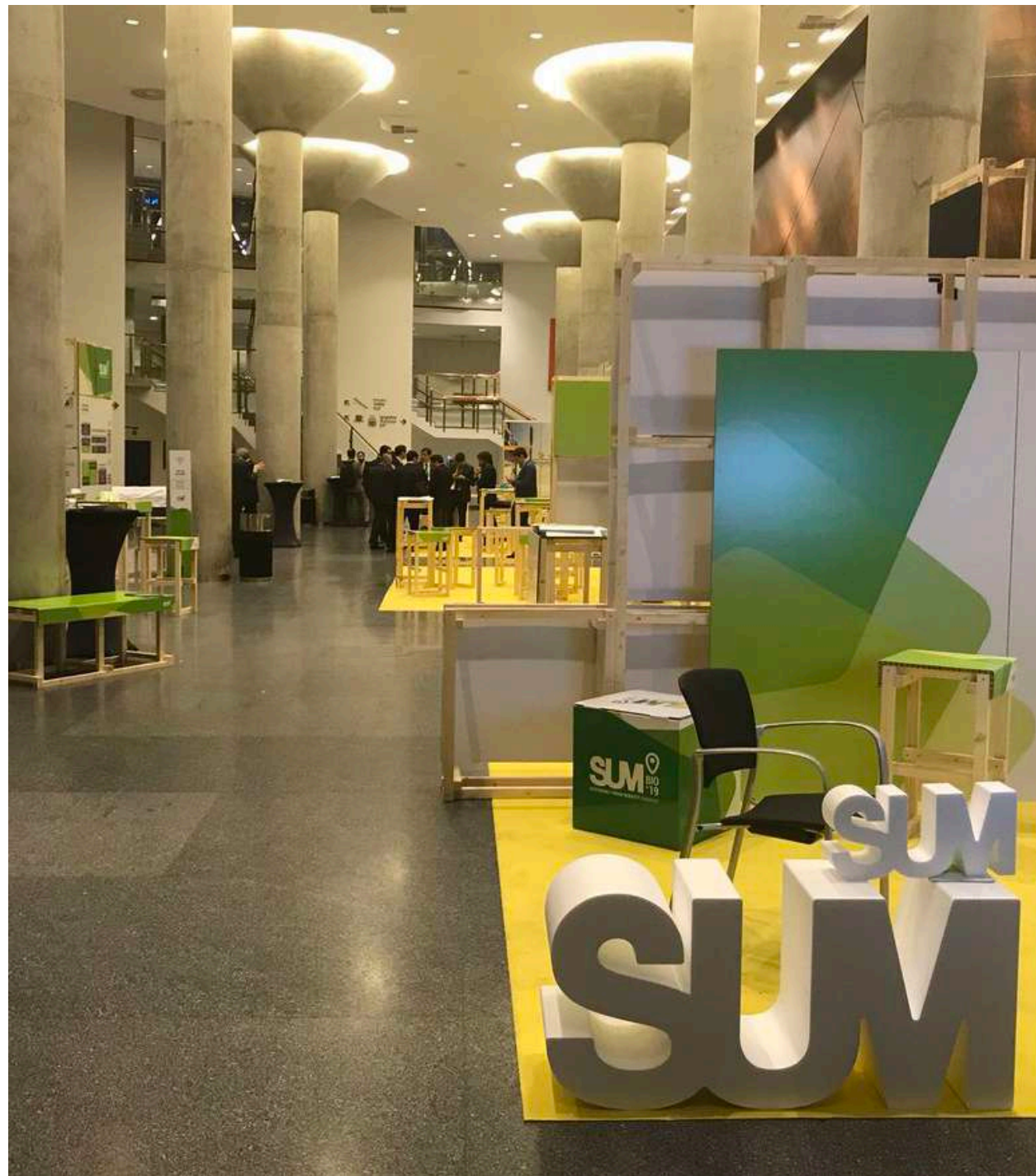
As European market leader and bike sharing pioneer, we are making cycling an integral part of urban mobility. For more than 14 years we have been developing long-lasting bike sharing systems and establishing rental bikes as a form of local public transport on equal footing with buses and rail. Our business model is commercially sustainable and based on cooperation with cities, transport companies, universities and sponsoring partners. Together, we make our cities more livable.

**SMART TRACK SOLUTIONS**

Smart Track Solutions offers mobility solutions for both people and vehicles in open spaces and indoors, in order to obtain information on the most common movements and routes. It is based on the detection of WIFI and Bluetooth signals from mobile devices (always anonymously) through receivers that send this information to a remote server for real-time monitoring and obtaining statistical data and heat maps.

FORMULA STUDENT VITORIA

FSVitoria is the formula student team of the faculty of engineering at Vitoria/Gasteiz, University of the Basque Country-Alava. The team members are students of the new Bachelor's degree in automotive engineering and their aim is to design, simulate, build, and tune a single-seat electric vehicle for competition with the collaboration of different institutions and enterprises.



POR UNA MOVILIDAD
RESPONSABLE Y RESPETUOSA



bbk 
5 años como
fundación.
Más de 100 de
compromiso.



Side Events

Other activities or Side Events also took place simultaneously to the thematic and plenary sessions of the SUM Bilbao 19 congress.

Day 20

REE - FEMP Agreement signature

During the congress, both Red Eléctrica de España (REE) and the Spanish Federation of Municipalities and Provinces (FEMP) joined the commitment to sustainable mobility and signed a collaboration agreement to provide technical assistance to the local councils, promote the use of the electric car throughout the territory and facilitate the installation of public charging points in cities and municipalities. The

agreement sets out four main strategic actions: the exchange of experiences in the field of electric mobility, technical assistance in this area, support for the training of the staff of the local councils for the promotion of mobility, energy efficiency and the development of renewable energy, and, lastly, collaboration on the smart management of the charging points in the municipalities through the Control Centre for the Electric Car (CECOVEL).



FEMP Mobility and accessibility - Working session

This internal working session of the Spanish Federation of Municipalities and Provinces served to reflect on urban public spaces and the modes of transport in the city. It also addressed the preparation of the Spain's Cycling Strategic Plan and the publication of a document by the FEMP which focuses on good practices of local entities in the fields of cognitive accessibility, clear language and easy reading, applied to transport and mobility.

#Vehicles7YFN Final report 2018 THINK TANK

AMETIC, the association representing the digital technology industry in Spain, presented in Bilbao at the Sustainable Urban Mobility Congress SUM Bilbao 19 the key factors of the mobility in Europe in 2025, reflected in the first document issued by the Think Tank #VEHICLES7YFN.

The entity, along with 60 international experts, has defined three possible future scenarios for mobility and the challenges to be faced over the next years, which are included in the summary document.

Such an initiative promotes disruptive thinking about the environment, sustainability and digital transformation, with the aim of contributing to the debate and proposals about the future of mobility in cities and territories.



Day 21

FEMP Transport and infrastructures - Working session

This internal working session of the Spanish Federation of Municipalities and Provinces addressed the preparation of the Spain's Cycling Strategic Plan, the analysis of the Draft Royal Decree amending article 50 of the General Traffic Regulation as well as several articles of the General Regulation of Vehicles in terms of personal mobility vehicles (PMVs), and the amendments to the General State budgets for 2019 in the field of collective urban public transport.

5. SPONSORS



20-21
**SUSTAINABLE
URBAN MOBILITY**
"XXI. Mendeko hiriak mugitzen"
"Moviendo las ciudades del siglo XXI"
"Moving the cities of the XXI century"



BBK

Modern and advanced societies need new forms of mobility. The model we knew so far, based on the indiscriminate use of private vehicles, is coming to an end. This is a reality that is very present in BBK and that, in some way, has penetrated the foundation and its ideology for contributing to the care of the environment.

In this sense, BBK has decided to put the focus on the field of social awareness. It aims to fight the battle of sustainability from preventive training, and more specifically preparing the new generations. The way out of the consequences of global warming is now to apply drastic measures to devise optimal models of energy consumption through the use of renewable energies. But it also walks to prepare those youth who will soon lead the final battle against this environmental scourge.

As an agent that pursues the economic and social development of Bizkaia, BBK has directed its greenest look to the children of the territory. For this group, BBK starts up projects and activities that seek to grow Bizkaia from the respect and care for the environment.

In many of the actions designed by BBK, the emphasis is placed on the fact that the component of sustainable mobility is very present, but apart from public awareness, the Obra Social of BBK, promotes projects with a view to achieving an increasingly environmentally friendly transport. A few years ago, for example, the entity owned by 57% of Kutxabank participated in the implementation of the Aparka project; a pioneering social innovation initiative in Europe that aimed to create protected parking lots for bicycles and employ people at risk of social exclusion, at the same time, sustainable mobility was favoured.

The challenges of sustainable transport cross borders. The sector is experiencing a moment of transformation and change, and more and more initiatives are emerging as alternatives to achieve a 100% sustainable transport. In this sense, BBK hopes that the steps will be paced with reality, being consistent with the technological development itself and with the way of how to implement these advances in the productive system. It is vital to change old mentalities and move forward without haste but without pauses. Through environmental education, the new minds begin to be clear that traveling without leaving a mark on the planet seems to be one of the great challenges facing society.

As a culmination of the SUM Bilbao 19 Congress on sustainable mobility held in February in the Biscayan capital, which had the collaboration of BBK, the Bilbao Declaration was signed, a document in which, for the first time, public and private actors committed themselves to take actions aimed at favouring sustainable urban mobility.

In this important forum, BBK made it clear that education for sustainable development has the necessary potential as a tool to build more solid bridges between the mobility we know today and the one we want for the future. For this reason, it is a priority for BBK to contribute to creating a sensitized, co-responsible and participatory citizenry that lives in educating towns and cities and that enjoys a green, socially responsible, and culturally active and healthy environment.

<https://portal.kutxabank.es>





REPSOL

Repsol, committed to the present and future challenges of mobility.

The energy sector, vital for our society, has the challenge of facing a new energy transition that allows us to satisfy the growing demand for energy, in a sustainable and competitive manner, guaranteeing security of supply. As a society we have a very ambitious challenge: to evolve towards a more sustainable energy model.

Repsol is a multienergy provider with presence throughout the entire energy value chain which seeks to play a leading role in the energy transition of the XXI century, offering society a safe, affordable and sustainable energy. In addition to having one of the most efficient refining systems in Europe, Repsol is a leading company in mobility, a pioneer in innovation and development of initiatives that contribute to finding new solutions and energies for transport.

The company is leading several initiatives aimed at contributing to new forms of mobility, developing services and applications that offer more options to drivers and favor the sharing of resources, such as car sharing. It participates in the broadest public network of electric vehicle recharging in Spain, through IBIL, a company 50% owned by Repsol and the Basque Energy Agency (EVE).

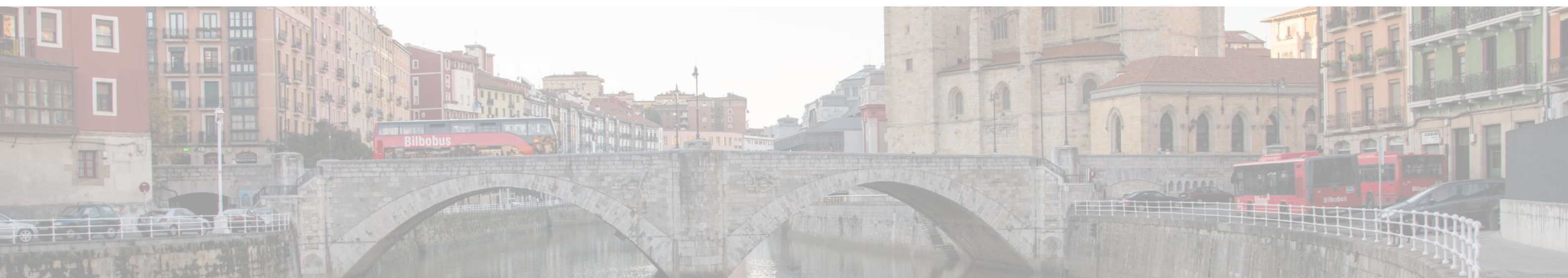
The company has been improving the efficiency of its fuels at the Repsol Technology Lab for years and is a leader in the commercialization of AutoGas in Spain, the most used alternative fuel in the world. Technology and digitalization are other key pillars in Repsol, which has leading projects in different disciplines that have made it a benchmark in innovation, sustainability and efficiency in the energy sector.

At the SUM Bilbao 19 congress, where the challenges of present and future cities have been discussed, Repsol has participated with various initiatives. During the congress, the president of Repsol, Antonio Brufau, defended technological neutrality on the road towards sustainable mobility. As short-term measures, it raised the need for a program to renew the vehicle fleet as the most efficient way to reduce emissions, since one of the factors that most influences air quality in cities is the aging of the vehicle fleet: more 60% of cars in Spain are more than ten years old. An example of how things are done, he added, is the Renove Plan promoted by the Basque Government to promote the renovation of the automobile fleet. Brufau stressed that thanks to new technologies, combustion engines have reduced the NOx and particulate emissions by almost 90% compared to 10 years ago and still have a margin of improvement in efficiency and emission reduction estimated at 30% for 2030.

Institutions and companies must work together with a clear technological and industrial vision, with a real vision of the impact of the energy transition we are experiencing and a pragmatic evolution towards sustainable urban spaces, said the President of Repsol during the closing of the SUM Bilbao 19 congress.

A vision from Repsol with its eyes set on a goal: to provide an accessible, efficient and safe energy with which to respond to the growing energy demand without compromising future generations. The commitment to sustainability is a key element in Repsol's vision of the future as a global energy company.

<https://www.repsol.com/en/index.cshtml>





IRIZAR E-MOBILITY

Irizar e-mobility has participated in the first edition of the Sustainable Urban Mobility Congress SUM Bilbao 19 which took place at the Euskalduna Conference Centre in Bilbao on February 20th and 21st. At this event, the company showcased its strong technological capabilities in sectors where it is currently present, which include: electromobility, electric engines, batteries, energy, electronics, artificial intelligence and connectivity.

This was also the occasion to present – at the Bilbao Maritime Museum on February 21st - 23rd – the Irizar ie truck, a new and innovative electric truck manufactured by Irizar Group, which responds to the different market needs and is able to move around cities and urban environments without generating atmospheric or acoustic pollution.

Irizar e-mobility was founded with the aim of providing comprehensive electric mobility solutions customized for cities, both in terms of manufacturing 100% electric zero emission vehicles, and in terms of manufacturing and installing the major infrastructure systems necessary for charging, traction and energy storage. All of which have been designed and manufactured using 100% Group technology and come with the Irizar guarantee and service quality.

Irizar e-mobility aims to promote the use of clean, efficient and accessible transports committed to the environment, health and wellbeing of people and enable the creation of better urban environments. For this reason, the congress was also an opportunity to commit to sustainable urban mobility by signing the Declaration of Bilbao, a document which summarizes the main objectives of the congress.

<https://www.irizar.com/>



IBIL

During the SUM Bilbao 19 congress, IBIL, a pioneering leader in technology and charging services for electric vehicles, shared with the visitors at its exhibition stand their experiences and technology implemented for charging in urban and interurban environment through the showcasing of success stories in Bilbao, Lanzarote or Madrid. IBIL has already installed more than 200 public charging stations, of which 50 are fast charging points.

Also during the congress days, the company explained how transport electrification will have a positive impact on the achievement of the decarbonization objectives. Presentation made by Aitor Arzuaga, General Manager of IBIL, highlighted this idea and emphasized that **mobility in urban environments will have multiple forms**, which will require electricity and, therefore, the provision of charging infrastructures and services. For this, **urban public infrastructure** is necessary so that new forms of mobility could be accessible to the whole population. He finally pointed out that **public institutions** are the key element to enable and favour deployments and that energy charging infrastructure in urban environments must be planned with an eye in the **long term**.

At the congress, IBIL also wanted to show all visitors their different charging solutions, the types of connectors available in the market and its innovative app which enables the user to charge an electric vehicle with just one click.

<https://www.ibil.es/index.php/es/>



ALSA

ALSA

ALSA is the **leading passenger transport operator in Spain**, where it operates a wide Long Distance, Regional, Urban and Metropolitan services network. With more than 100 years of experience and today part of National Express Group, ALSA operates since 2012 the urban transport of Bilbao, **Bilbobus**, with a fleet of 145 buses, and several services in the metropolitan area of Bilbao, integrated in **Bizkaibus**, with 140 vehicles.

ALSA is aware of the fact that the problems related to mobility are becoming increasingly important, affecting the life quality of millions of people and having an increasingly leading role in the public agenda. Therefore, as an example of environmentally responsible operator, ALSA has adhered to the **Declaration of Bilbao** and is committed to launching and rolling out new models of sustainable mobility, with the **introduction of fleet with clean, green technologies** and the **development of new last mile intermodal products**, added to a **proper financing of the system** that ensures the provision of quality and innovative services.

In this line, during the **SUM Bilbao 19**, ALSA's General Manager of Maintenance and Engineering, **Miguel Angel Alonso**, spoke about "The future of the automotive industry and sustainable transport". It presented the main lines of work in which ALSA, as a pioneer in the sector, has been developing **to achieve the highest level of innovation and offer the best possible offer**, always in a sustainable manner.

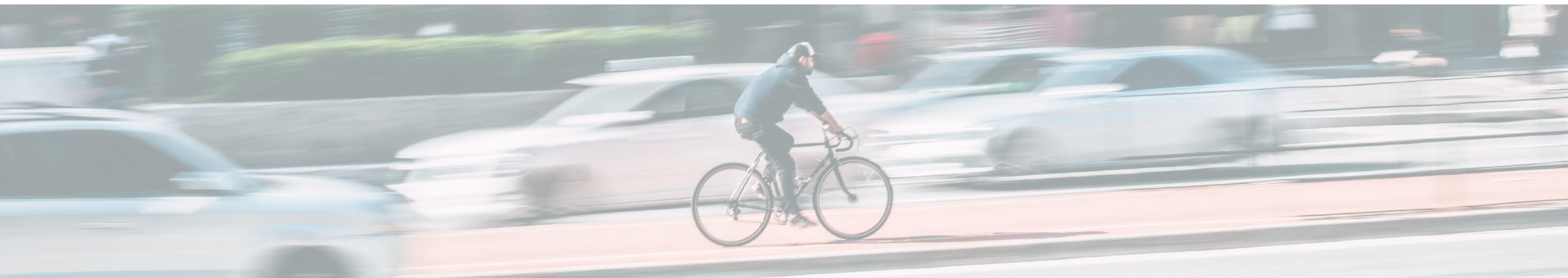
<https://www.alsa.com/en>

kapsch >>> KAPSCH

Kapsch TrafficCom is a provider of intelligent transportation systems in the fields of tolling, traffic management, smart urban mobility, traffic safety and security and connected vehicles. As a one-stop solutions provider, Kapsch TrafficCom offers end-to-end solutions covering the entire value creation chain of its customers, from components and design to the implementation and operation of systems. The mobility solutions supplied by Kapsch TrafficCom help make road traffic safer and more reliable, efficient, and comfortable in urban areas and on highways alike while helping to reduce pollution.

At SUM Bilbao 19, Kapsch contributed to the reflection on sustainable urban mobility with a keynote entitled "The challenges of mobility in the transformation of cities". During his participation, Javier Aguirre, current CEO of Kapsch TrafficCom in Spain and Portugal, shared with the audience the vision of the company regarding the measures we can adopt, with the help of technology and innovation, to avoid or minimize the increase in congestions and pollution. A number of strategies were mentioned, including: dynamic collaborative routing, traffic restrictions to certain urban areas, urban tolls, multiagency coordination, data sharing and the use of connected roads, among others.

<https://www.kapsch.net/es>





SACYR

Sacyr is a global group committed to turn any challenge into a solution, and solutions into progress, which operates in more than 30 countries on the five continents providing infrastructures, services and industrial projects that contribute to the development of territories. Sacyr has more than 30,000 employees worldwide, who contribute with their talent to improve our cities, enhance the environment and better our daily lives.

With more than 30 years of experience, Sacyr represents a sustainable and profitable project structured in four (4) business divisions:

- Sacyr Industrial is the youngest and most dynamic business area which undertakes all types of industrial, oil and gas, energy, water and wastewater treatment EPC projects.
- Sacyr Servicios pursues a hosts of different activities related to the water cycle, the environment and applied innovation focusing on the general public and multiservice contracts.
- Holder of a diverse infrastructure portfolio, Sacyr Concesiones has 36 assets that strike a fine balance between concessions with growth potential and mature ones.
- Finally, teams at Sacyr Ingeniería carry out all types of civil and building engineering projects.

Sacyr committed to sustainable urban mobility as one of the Silver-level sponsors of the congress. The company offers smart mobility solutions which create safer and more comfortable spaces for the movement of people and guarantee a better environmental quality. Such an offering was showcased at the company's exhibition stand located in the networking zone.

http://www.sacyr.com/es_es/default.aspx



FOMENTO DE CONSTRUCCIONES Y CONTRATAS

FCC Medio Ambiente has participated this year at the first edition of the international congress SUM Bilbao 19, which was born with the aim of fostering alliances between different actors in favor of the construction of more sustainable urban mobility models, where a wide range of experts, institutional representatives, companies and entrepreneurs have gathered.

In this sense, the Environmental Services area has developed the first e-mobility platform for urban service vehicles. It is an affordable and sustainable platform: it will make e-mobility technology available to any municipality, and the first vehicle developed on the platform, a lateral load compactor collector and 480kW of power, can develop the work of a day with the same benefits as a conventional thermal vehicle, but without emissions of pollutants or noise and 50% less energy consumption.

This reinforces the company's commitment to the Sustainable Development Goals (SDG) by developing research projects that contribute to a more efficient and sustainable management of our resources.

Being part of this congress has allowed the company to showcase its interest for innovation and sustainability to give effective and efficient answers to the needs of the cities and their inhabitants. In this line, FCC Medio Ambiente, with the signing of the "Bilbao Declaration", is committed to taking actions aimed at favoring sustainable urban mobility, thus adding to the efforts made in the international sphere to promote sustainable global development.

<https://www.fcc.es/es/>





RED ELÉCTRICA DE ESPAÑA

Red Eléctrica and its commitment to the electric vehicle.

Red Eléctrica de España (REE) joins the commitment to sustainable mobility with technical assistance to local councils in order to promote the use of the electric vehicle throughout the territory and facilitate the installation of public charging points in cities and municipalities. The company is thus committed to the transition towards an energy model with less dependence on fossil fuels, which will enable to meet European targets and achieve the goals the Government has defined regarding urban mobility in the areas of decarbonisation and combating climate change.

Together with the Spanish Federation of Municipalities and Provinces (FEMP), Red Eléctrica plays a key role as a facilitator of tools that allow the full integration of the fleet of electric vehicles into the system through the smart management of the charging points installed through the Electric Vehicle Control Centre (Cecovel).

<https://www.ree.es/es>



BEAZ

Beaz is the dependent regional entity of the Department of Economic and Territorial Development of the County Council of Bizkaia, dedicated to promoting new innovative business initiatives and improving the competitiveness of existing companies in the region of Bizkaia. In all cases, it collaborates in the growth, innovation and internationalization of the before mentioned SMEs.

In more than thirty years of activity, the entity has worked very closely with entrepreneurs and companies through the provision of added value services, combining various instruments: incubators, collaboration agreements with business angels, financing, etc.

In the event there was a large representation of the start-ups and SMEs they work with in Bizkaia, ranging from apps and platforms which are revolutionizing urban mobility to global solutions for smart cities, also including products in the fields of urban electric mobility and transportation.

In addition, it was the perfect context for the adhesion to the Declaration of Bilbao.

<https://beaz.bizkaia.eus/index.php?lang=en>



16. COLLABORATORS

ORGANIZADORES / ANTOLOGÍA

Bilbao **Petronor**

PATROCINADORES / SPONSORS / SPONSORED BY:

bbk **REPSOL**

Irizar e-mobility **BIL**

kapsch **FCC**

ALSA **sacyr**

RED ELÉCTRICA DE ESPAÑA **Bizkaia**

SW BIO 19



UNITED CITIES AND LOCAL GOVERNMENTS (UCLG)

United Cities and Local Governments (UCLG) **represents and defends the interests of local governments** on the world stage, regardless of the size of the communities they serve. **Headquartered in Barcelona**, the organization's stated mission is: *"To be the united voice and world advocate of democratic local self-government, promoting its values, objectives and interests, through cooperation between local governments, and within the wider international community"*.

UCLG's work programme focuses on:

- **Increasing the role and influence** of local government and its representative organizations in global governance;
- **Becoming the main source of support** for democratic, effective, innovative local government close to the citizen;
- **Ensuring an effective and democratic** global organization.

United Cities and Local Governments supports international cooperation between cities and their associations, and facilitates programmes, networks and partnerships to build the capacities of local governments. The organization promotes the role of women in local decision-making, and is a gateway to relevant information on local government across the world.

It is the largest organization of sub-national governments in the world, **with over 240,000 members** in over 140 UN member States, de facto representing over half the world's population.

<https://www.uclg.org/en>



SPANISH FEDERATION OF MUNICIPALITIES AND PROVINCES (FEMP)

The Spanish Federation of Municipalities and Provinces (FEMP) is the most widely implemented state Association of Local Authorities, bringing together a total of 7,324 Town Councils, Provincial Councils and Island Councils, accounting for over 90% of Spanish Local Governments.

Incorporated under the provisions of the Fifth Additional Provision of Act 7/1985, of 2 April, Regulating the Rules of Local Government, it was declared a Public Utility Association by Agreement of the Council of Ministers of June 26, 1985.

The FEMP is the Spanish Section of the Council of European Municipalities and Regions (CEMR) and the official headquarters of the Latin American Inter-Municipal Cooperation Organization (OICI).

The foundational and statutory purposes of the FEMP are:

- Promotion and defence of the autonomy of local authorities;
- Representation and defence of the general interests of local authorities before other public authorities;
- Development and consolidation of the European spirit at the local level, based on autonomy and solidarity between local authorities;
- Promotion and encouragement of friendly relations and cooperation with local authorities and their organizations, particularly in Europe, Latin America and Arab countries;
- Provision, directly or through companies or entities, of all kinds of services to local corporations or authorities depending on them and any other purpose that directly or indirectly affects the associates of the Federation.

<http://www.femp.es/>



ASSOCIATION OF BASQUE MUNICIPALITIES

EUDEL is a reference in the Basque municipal arena. Since its foundation in 1982, EUDEL is recognised as an efficient partner of local governments of Euskadi (Basque Country) with other institutions in promoting coordination and consensus on public policies. Its key mission as an association is to facilitate a common meeting space and to represent the general interests of local governments. Its main objectives are recognized in its statutes as Association, and these include:

- Coordinating the **dialogue** of local governments with other institutions working towards designing, developing and implementing public policies.
- **Promoting and defending** municipal autonomy.
- Developing the **European spirit and commitment** among Basque local governments, encouraging their participation and representation in **different European and international bodies**.

EUDEL works to facilitate the connection with Europe, implementing the actions and good practices of the Basque municipalities and participating in forming European policies to satisfy the interests of Euskadi (Basque Country). At a European level, EUDEL represents local Basque governments in the **Council of European Municipalities and Regions (CEMR) and in the Congress of Local and Regional Authorities (Council of Europe)**.

<http://www.eudel.eus/>



AMETIC

We are the **association representing the digital technology industry sector in Spain**. Our members include large, medium and small leading IT companies, Telecommunications, Electronics, Digital Services and Content, leading companies driven by the digital transformation as well as other industry associations.

OUR VISION

A society that benefits from today's opportunities offered by digital technology in Spain and considers this sector as the main engine for the achievement of economic and social objectives.

OUR MISSION

To promote, for the benefit of our members, the best economic, policy and legislative environment that facilitates the development and the use of digital technologies. We want to achieve this goal by working as constructive partners with national and European public and private institutions, as well as with other international organisations.

<https://ametic.es/en>



UITP (Union Internationale des Transports Publics)

UITP (Union Internationale des Transports Publics) is the **International Association of Public Transport** and a passionate champion of sustainable urban mobility. It is the only worldwide network to bring together all public transport stakeholders and all sustainable transport modes. Today, UITP represents 1,500 member companies giving access to over 18,000 contacts from the fields of urban, local, regional and national mobility from more than 96 countries on all continents.

The Mobility Champions Community

Public transport is at a turning point. In order to meet rising mobility and urban challenges, UITP and United Cities and Local Governments (UCLG) have joined forces to launch a high-level platform for local and regional leaders to collaborate in building more accessible, efficient and liveable cities.

The Mobility Champions Community is a platform oriented towards results. Political leaders (Champions) will organise their activities in thematic clusters, according to their priorities and strategic goals, in order to ensure at all times a dynamic exchange of best practices on various issues.

UCLG and UITP will support the Mobility Champions Community by adopting a holistic approach linking urban mobility with digital, social, environmental and economic aspects and ideas. Knowledge generated by the Champions will be shared at all the relevant international, national, regional and local stages.

Members of the Community will lead the discussion on urban mobility and increase their influence among peers and international organisations. They will benchmark policies, strategies and legislative frameworks impacting mobility, learning lessons from different regional contexts. They will be offered opportunities to promote resilient, social and gender balanced sustainable development for present and future generations, as well as showing the positive impacts of sustainable mobility strategies and plans on economy, business activity, health, tourism, and culture.

<https://www.uitp.org/>



ENERGY AGENCY OF THE BASQUE GOVERNMENT (EVE)

The Basque Government first created its own energy agency, the Ente Vasco de la Energía (or EVE) to lay the foundations for an energy policy that has been grounded, to different degrees at different stages, on energy efficiency, diversification of energy sources and promotion of renewables.

Since then Ente Vasco de la Energía has been in charge of developing projects and initiatives in line with government policies.

MISSION

The **Ente Vasco de la Energía – EVE (Basque Energy Board)** is the Basque Government's energy agency. Its mission is to:

- **Propose energy strategies for the Basque Country**, based on criteria of supply security, cost competitiveness, sustainability and technological development.
- **Participate in developing these strategies** and contribute to meeting the targets established therein.

In order to achieve this mission, the agency provides a service to the **Basque Government's Department of Economic Development** and Infrastructures in matters related to energy and geological and mining resources. It also participates in projects, involving private companies and government institutions. It works to disseminate the values and messages underpinning its strategies amongst society at large.

EVE's capacity for action is backed by the **technical capacity, commitment and leadership of its staff** and by efficient planning and management of its resources.

<https://www.eve.eus>



IHOBE

Ihobe is a **publicly-owned company** coming under the Basque Government's Ministry for the Environment, Territorial Planning and Housing.

Ihobe supports the Basque Government in the implementation of the **environmental policy** and in the spreading of the **environmental sustainability culture** in the Basque Autonomous Community.

MISSION

- To catalyse the generation and dissemination of environmental knowledge.
- To work with companies, the public sector and at grassroots level.
- To contribute and play an active role in improving the environment
- To share knowledge and resources, from excellence and social responsibility

VISION

- Ihobe seeks to be an effective contributor and authoritative advisor of the Basque Government, and shares its expertise with society and the stakeholders of the sector in order to foster solutions and services in line with the environmental targets of the BAC.
- Ihobe is a catalyst for environmental knowledge, and drives and fosters its generation and contributes to its dissemination.

One of Ihobe's hallmarks is its focus on ongoing cooperation with other public and private organisations. The relationship is based on trust, proximity and, above all, on the conviction that these dynamics of environmental policy cooperation is to the general benefit of Basque society overall.

<https://www.ihobe.eus/home>

Bibliography

Arthur D. Little & UITP. (2018). The Future of Mobility 3.0: Reinventing mobility in the era of disruption and creativity .

Arthur D. Little & UITP. (2013). The Future of Urban Mobility 2.0.

Boschetti, F., Maurizi, I., Cré, I., & Leonard, C. (2014). Innovative Urban Transport Solutions: Civitas makes the difference. ICLEI - Civitas Project.

Chase, R. (5 de January de 2015). Innovating for smart, sustainable cities: A Q&A on urban mobility with Zipcar founder Robin Chase. (R. Schleeter, Entrevistador) The City Fix by WRI Ross Center for Sustainable Cities.

Kaufman, D. (2017, March 3rd). What's The Future of Transportation? (N. Hastreiter, Interviewer) Futureofeverything.io.

Kennedy, C., Stewart, I. D., & Westphal, M. I. (2019). Working paper - Shifting currents: opportunities for lowcarbon electric cities in the global south. WRI Ross Center for Sustainable Cities.

Lackner, C. (2018, March 5). NXP. Retrieved March 18, 2019, from Blog NXP: <https://blog.nxp.com/uncategorized/the-future-of-urban-mobility-smart-cities-use-the-iot-and-mobile-for-better-ways-to-move-people-and-goods>

Navigant Research. (2018). Urban Mobility Innovations. Retrieved March 18, 2018, from Navigant Research: <https://www.navigantresearch.com/reports/urban-mobility-innovations>

New Climate Institute & C40 Cities. (2018). Climate opportunity: more jobs; better health; liveable cities quantifying the benefits of climate change mitigation measures in buildings, transport and energy supply. Project developed in collaboration with: Global Covenant of Mayors for Climate & Energy (GCoM) and Bloomberg Philanthropies.

Tsay, S.-p., & Herrmann, V. (2013). Rethinking urban mobility: Sustainable Policies for the century of the city. Massachusetts: Carnegie Endowment for International Peace .

UN Habitat. (2013). Institutions and governance for urban mobility (Chapter 9). En Planning and Design for Sustainable Urban Mobility: Global Report on Human Settlements 2013 (pp. 175-195). Nairobi: UN Habitat.

UN Habitat. (2019). Urban themes - Mobility. Retrieved March 18, 2019, from UN Habitat: <https://unhabitat.org/urban-themes/mobility/>

United Cities and Local Governments - UCLG. (2018). Local and regional governments' report to the 2018 HLPF: Towards the localization of the SDGs. Barcelona: UCLG.

ORGANIZED BY



SPONSORED BY

GOLD



SILVER



BRONZE



SUPPORTED BY



MEDIA PARTNER

