

**9. LJUBLJANA
FORUM**



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FUTURE OF **CITIES**

SUSTAINABLE – SMART – INCLUSIVE

LARGE SCALE INFRASTRUCTURE PROJECTS

Synthesis Report

Conference

October 3rd - 4th 2019 • Ljubljana Castle, Slovenia



Ljubljana, the city of sustainable tourism 2019

The European Commission (EC) launched a new initiative, the European Capital of Smart Tourism, with the aim to promote smart tourism, enable cities network, strengthen destinations, as well as to facilitate the exchange of good tourism practices among European cities. The initiative seeks to recognise achievements in four categories: sustainability, accessibility, digitalisation, and cultural heritage and creativity.

Independent experts and representatives of the EC and the European Parliament (EP) awarded Helsinki and Lyon with the European Capital of Smart Tourism 2019, while awarding the city of Ljubljana with European Smart Tourism Award for 2019.

Four cities received 2019 European Smart Tourism Award for their achievements in four categories: Málaga for Accessibility, Copenhagen for Digitalisation, Linz for Cultural heritage, and creativity, and Ljubljana as for Sustainable tourism.

Ms Petra Stušek, the managing director of Ljubljana Tourism, has noted: *"The award positions Ljubljana at the very top of good practices in the field of sustainable tourism due to its results so far and its plans for the future, which will enable further economic and social development as well as preserve the natural environment and resources in the process".*

When it comes to the sustainable tourism development of the City of Ljubljana, Stušek presented 'Green Supply Chains, the Taste Ljubljana' project, which connects primary schools to the local food producers, the city's zero waste management measures, increase of public green spaces, pedestrian zones, cycling trails and public transport networks, the introduction of electric tourist train, measures taken in order to achieve deseasonalization and dispersion of tourism flows and the development of cultural districts.

To learn more about European Capital of Smart Tourism, visit: <https://smart-tourismcapital.eu>

To learn more about Ljubljana winning Smart Tourism Award, visit:

<https://www.visitljubljana.com/en/b2b-press/press-releases/ljubljana-received-the-sustainable-tourism-award-in-the-european-capital-of-smart-tourism-competition/>



Conference



Synthesis report on
FUTURE OF **CITIES**
SUSTAINABLE – SMART – INCLUSIVE
LARGE SCALE
INFRASTRUCTURE PROJECTS

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Introduction

The ninth forum on future of cities focused on sustainable, smart, and inclusive cities. Nevertheless, a special attention has been given to Large Scale infrastructure projects and digital transformation of cities from Smart City 1.0 to Smart City 3.0. For the first time the new book about smart city evolution written by Mr. Lorenzo Madrid - a world class consultant - has been presented at a public event.

The city of Ljubljana is successfully keeping the pace with global developments in the dynamic green infrastructure development and providing opportunities for the new digital environment development. The increasing use of new emerging technologies, and our green agenda commitment is clearly visible in our work for sustainable, smart inclusive and resilient cities and societies.

Encouraging the commitment of the key city stakeholders and co-creating global partnerships for city development the Memorandum of Understanding on Europe – Latin America city networks and hubs cooperation, was signed.

The city of Rijeka won the Ljubljana Forum 2019 award for the challenging project that connected cultural heritage of industrial age with new creative model of start-up incubator in the era of digital transformation.

Being a part of the ninth Ljubljana Forum was an exciting learning experience full of new partnership building and concrete projects presentations.

We are looking forward to deepening our partnerships in 2020 when we will celebrate the 10th Anniversary of the forum discussing the Futures of Cities.

Blaž Golob



Mr Zoran Janković

mayor of the City of
Ljubljana



Ms Anuela Ristani

deputy mayor of the City
of Tirana



Mr Miran Gajšek

head of department for
urban planning, City of
Ljubljana, co-chairman
of Ljubljana Forum



Blaž Golob

chairman of Ljubljana Forum



Iztok Seljak

Edison ambassador



Ms Mateja Matajič

strategic projects
manager and coordinator,
Slovenian Railways



Mr Francesco Ferrero

head of European Investment
Bank (EIB) office in Ljubljana



About Ljubljana Forum 2019

The ninth edition of the Ljubljana Forum took place on 3rd – 4th October 2019, at the Ljubljana Castle, in Ljubljana, Slovenia. It welcomed over 130 participants, speakers, and moderators from all over the world. More specifically, geographic diversity of participants was as follows: 50% from South East and Central Eastern Europe, 15% from Slovenia, and 35% from the rest of the world. In addition, the Forum ensures diversity of stakeholder by diversity by welcoming participants, such as high level representatives, city leaders, futurists, urban planners, architects, academics and researchers, industry solution providers, consultants, governmental and European Union (EU) institution representatives, banks, civil society, and media.

The specific 5 objectives of the conference were:

Objective 1: To present and promote the Green Cities Concept and European Green Capital.

Objective 2: To present Governance Challenges of Green Cities and Smart Infrastructure.

Objective 3: To present the opportunities of Industry Solutions for Green Cities and Smart Infrastructure.

Objective 4: To present the best Project Practices and Entrepreneurship for Green Cities.

Objective 5: To connect, learn, bring about new projects and move forward.

The overall objective of Ljubljana Forum 2019 was to offer a framework for cooperation, networking and learning in order to enable and encourage good practice and create prosperous future of cities through researching, developing and implementing the best practices of urban development. Continuous cooperation among key stakeholders is inspiring digital transformation of cities towards smart cities, with the special attention to knowledge exchange between **Europe and Latin America**.

For the first time, the Ljubljana Forum on Future of Cities (LF2C), Slovenia, and the Instituto Smart City Business Americas (SCBA), Brazil, has established a partnership by signing the Memorandum of Understanding.

Organizers and partners of Ljubljana Forum 2019

- AAMI Corporation
- Blochwalks
- BTC City
- City of Ljubljana
- City of Vienna
- Development Agency Zagreb
- ELES
- ELSA
- Energetika Ljubljana
- European Blockchain Hub
- European Investment Bank
- Foresight Europe Network
- GoForeSight Institute
- IBM

- Instrumentation Technologies
- Millennium Project
- Petrol
- Plan-Net
- Sloveniatimes
- Slovenske Železnice
- T2
- The Events
- Vodovod Kanalizacija

Participating cities

- City of Ljubljana
- City of Banja Luka
- City of Bijelina
- City of Prizren
- City of Rijeka
- City of Tirana
- City of Vienna

Ljubljana Forum is an annual gathering that combines knowledge and experience of city governance and defines key areas, visions, and strategies of the future development of cities.

The aim of Ljubljana Forum is to promote opportunities for future development of cities and metropolitan areas of the Southeast European region.

The objective of Ljubljana Forum is to offer a framework for cooperation, networking, and learning among various stakeholders: political decision-makers, city leaders and city administration, investors, businesses, civil society, researchers, academics, and students.

The objective of Ljubljana Forum is to empower this network of stakeholders to create prosperous future of cities through researching, developing, and implementing the best practices of urban development.

Blaž Golob, chairman of Ljubljana Forum,
Arian Debeljak, CTO of the City of Ljubljana,
Jože Zrimšek, CTO of T-2 Telecommunications



Igor Radojičić, mayor of Banja Luka, **Marko Filipović**, deputy mayor of Rijeka



Participants and speakers at the registration of the Ljubljana forum



City Leaders and Representatives at Ljubljana Forum 2019



Mr Miran Gajšek,
head of department for
urban planning, City of
Ljubljana, co-chairman
of Ljubljana Forum

**Mr Vojko
Obersnel**,
mayor of the
City of Rijeka



**Mr Zoran
Janković**,
mayor of
the City of
Ljubljana

**Mr Igor
Radojičić**,
mayor of the City
of Banja Luka



**Mr Levent
Kasemi**,
deputy mayor
of the City of
Prizren

**Ms Anuela
Ristani**,
deputy mayor
of the City of
Tirana



Mr Mićo Mičić,
mayor of the City
of Bijelina

**Ms Daniela
Strassl**, director for
real estate strategies
and infrastructure
needs, City of Vienna



**Mr Thomas
Mayer**, director
coordination,
City of Vienna

Mr Željko Jurić,
head of information
technology
department, City of
Rijeka



Speakers of Ljubljana Forum 2019



Mr Zoran Janković,
mayor of the City of
Ljubljana

Mr Daniel Kozelj,
product manager water
cycle, Petrol



Mr Blaž Golob,
chairman of Ljubljana
Forum

Mr Uroš Salobir,
director of the strategic
innovation department,
ELES



Mr Lorenzo Madrid,
author and key note
speaker

Mr Iztok Seljak,
Edison ambassador



Mr Miran Gajšek, head
of department for urban
planning, City of Ljubljana

Mr Boris Nardin,
business development,
Instrumentation
Technologies



Mr Željko Jurić, head
of information technology
department, City of Rijeka

Mr Daniel Avdagic,
managing director at AV
Living Lab



Ms Lilijana Madjar,
director of regional
Development Agency of
the Ljubljana urban region
(RRA LUR)

Mr Ram Dušić Hren,
solution IT architect and
IBM Q ambassador, IBM



Mr Božo Šimunović,
architect, initiator and
interim coordinator,
Dubrovnik

Ms Mateja Matajič,
strategic projects
manager and coordinator,
Slovenian Railways





Mr Filip Fele,
department of planning
and resource management,
Slovenian Railways



Mr Marko Femc, CEO,
Plan-net



Mr Tibor Vincze,
project coordinator,
Blockwalks



Mr Boris Koprivnikar,
Sincular consulting



Mr Luigi Amati,
president, CEO & co-
founder of META



Mr Enric Bas, director at
FUTURLAB-The Foresight
Laboratory, University of
Alicante



**Ms Gabriela Viale
Pereira,** CAP4CITY
project coordinator, Danube
University Krems



**Mr Francesco
Ferrero,** head of
European Investment
Bank (EIB) office in
Ljubljana



Mr Moran Hadad,
president & founder,
Chaka



Ms Ana Bossler, chief
market analyst at OFTEX-
Internationalization



**Mr Jose Jacob
Kalayil,** founder &
CEO, INTEGRO Infotech &
Consulting



Mr Thomas Mayer,
director coordination, City
of Vienna



Mr Tadej Smogavec,
head of marketing and
key projects, Petrol



Ms Nataša Vujačić,
project manager, Petrol

Moderators of Ljubljana Forum 2019



Mr Tihomir Divjak,
project manager, AeLeHSP
- Africa-eLearning-eHealth-
Satellite-Project



Mr Giuseppe Giordano, CEO, co-founder, ACC Mobility



Ms Giulia Delodi,
project manager,
Futuredata



Mr Žiga Čebulj,
business development
manager, Nervtech



**Ms Maja Zupančič
Pintar,** senior consultant,
GFS Institute



Mr Tomaš Pavliček,
CEO, Heliot



Ms Andreja Satran,
program director, ABC
Accelerator



Mr Matej Čer, mobility
entrepreneur, Avant Car

Ms Helena Ajdnik,
event moderator,



Mr Jan Künne, digital
entrepreneur



Ms Lea Bogatin, CEO,
Linx International



Mr Jurij Giacomelli,
managing director
of Giacomelli Media
Management and
Consulting



Mr Frane Šesnić, CEO,
Zagreb innovation centre



Mr Blaž Golob,
chairman of Ljubljana
Forum



About the agenda

Thursday, 3rd October 2019

Place of venue: **Ljubljana Castle**

Session I: **Opening & Keynote speech**

Moderator: Ms. Helena Ajdnik, Event Moderator

Time	Session	Speaker
9.00 - 9.30	Official Opening of Ljubljana Forum 2019 Introduction & Welcome address	Mr. Zoran Jankovič, Mayor, City of Ljubljana Mr. Blaž Golob, Chairman of Ljubljana Forum, Ljubljana Forum - GFS Institute
9.30 - 9.45	Keynote speech: Digital Transformation Of Cities / Towards Smart City 3.0	Mr. Lorenzo Madrid, Smart City Expert
	Signing of MOU European-Latin America City networks & hubs cooperation	

Session II: **Smart - Sustainable – Inclusive city of the future**

Moderator: Ms. Helena Ajdnik, Event Moderator

9.45 - 10.45	Large Scale Infrastructure projects	Mr. Miran Gajšek, Head of Department for Urban planning, City of Ljubljana & Co-Chairman of Ljubljana Forum
	Digital transformation of cities, Regional good practice case-Rijeka	Mr. Željko Jurič, Head, Information Technology Department, City of Rijeka
	Cohesion & Contrasted reality of Cohesion region West Slovenia	Ms. Lilijana Madjar, Director, Regional Development Agency of the Ljubljana Urban Region (RRA LUR)
	Europe M-Express	Mr. Božo Šimunovič, Architect, initiator and interim coordinator

Session III: **Round Table of Mayors – City good practice cases – Role of the SEE capitals in the future Europe**

Moderator: Ms. Helena Ajdnik, Event Moderator

11.15 - 12.30	Mr. Zoran Jankovič, Mayor of Ljubljana; Mr. Vojko Obersnel, Mayor of Rijeka; Mr. Mičo Mičić, Mayor of Bijelina; Mr. Igor Radojičić, Mayor of Banja Luka; Ms. Anueta Ristani, Deputy Mayor of Tirana; Mr. Levent Kasemi, Deputy mayor of Prizren; Ms. Daniela Strassl, Director for Real Estate Strategies and Infrastructure Needs, Vienna	
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Session IV A: **Industry solutions for cities**

Moderator: Mr. Jan Künne, Digital Entrepreneur

14.00 - 15.15	Petrol: Water cycle solutions for cities	Mr. Daniel Kozelj, Product Manager Water Cycle
	Edison Platform: Complete & Flexible eMobility	Mr. Iztok Seljak, Edison Ambassador
	ELES: Smart, Resilient and EV friendly Grids	Mr. Uroš Salobir, Director of the Strategic Innovation Department
	Instrumentation Technologies: ITRON Smart City Challenge in London	Mr. Boris Nardin, Business Development
	BTC City: City as a lab	Mr. Daniel Avdagic, Managing Director at AV Living Lab

Session IV B: **Industry solutions for cities**

Moderator: Ms. Lea Bogatin, CEO, Linx International

15.30 - 16.30	IBM: AI an QC for cities of the future	Mr. Ram Dušić Hren, Solution IT Architect, IBM Q Ambassador
	Slovenian Railways: Mass and Micro Mobility with Slovenian Railways	Ms. Mateja Matajčič, Strategic Projects Manager and Coordinator Mr. Filip Fele, Department of Planning and Resource Management
	Plan-net: Plan-net mobility	Mr. Marko Femc, CEO
	Blockwalks: Blockchain in Public Sector	Mr. Tibor Vincze, Project Coordinator

16.30 - 18.00

B2B meetings – Ljubljana Castle

20.00

Ljubljana Forum Reception & Award Ceremony – Ljubljana Castle

Friday, 4th of October 2019

Place of venue: **Ljubljana Castle**

Session V: **Knowledge & networks for development of Cities**

Moderator: Mr. Jurij Giacomelli, Managing Director of Giacomelli Media Management and Consulting Ltd.

Time	Session	Speaker
9:00 - 10:00	Managing digital side of city ecosystem	Mr. Boris Koprivnikar, Sincular consulting
	Citizens-led smart cities: The Challenge-Based Innovation Platform	Mr. Luigi Amati, President, CEO & Co-Founder of META
	Future Scenarios for the Shared & Collaborative Economy in 2030 - and beyond	Mr. Enric Bas, Director at FUTURLAB-The Foresight Laboratory, University of Alicante
	Strengthening Governance Capacity for Smart Sustainable Cities for Europe and Latin America region	Ms. Gabriela Viale Pereira, CAP4CITY Project Coordinator, Danube University Krems

Session VI: **Financial instruments & Business models**

Moderator: Mr. Jurij Giacomelli, Managing Director of Giacomelli Media Management and Consulting Ltd.

10:00 - 11:00	European Investment Bank support for cities development	Mr. Francesco Ferrero, Head of European Investment Bank (EIB) office in Ljubljana
	Tech Solution for Community Development, A Modern Financial Mechanism	Mr. Moran Hadad, President & Founder, Chaka
	How blockchain might help local companies to become globally successful: safe transactions in smart cities as key factor for exporting genius loci to the world	Ms. Ana Bossler, Chief Market Analyst at OFTEX-Internationalization
	Building a Collaboration Framework for Smart City Initiatives	Mr. Jose Jacob Kalayil, Director & Curator The INDIA Advantage Summit (TIA Summit)

Session VII: **Presentation of 7 projects**

Moderator: Mr. Frane Šesnić, CEO, Zagreb Innovation Centre

11:30 - 12:30	The way to BIM	Mr. Thomas Mayer, Director Coordination, City of Vienna
	E-mobility as an opportunity for public institutions	Mr. Tadej Smogavec, Head of marketing and key projects, Petrol Ms. Nataša Vujačić, Project manager, Petrol
	Implementation of SDG in Lake Chad Region	Mr. Tihomir Divjak, Project Manager, AeLeHSP - Africa-eLearning-eHealth-Satellite-Project
	Zodiac, a line of zero-emission vehicles	Mr. Giuseppe Giordano, CEO & Co-founder, ACC Mobility
	Ariadne - an innovative approach to improve e-waste recycling	Ms. Giulia Delodi, Project Manager, Futuredata
	Autonomous Mobility in Future Cities	Mr. Žiga Čebulj, Business Development Manager, Nervtech
	Digital transformation of Cities - Five steps to become smarter	Ms. Maja Zupančič Pintar, Senior Consultant, GFS Institute

Session VIII: **Round table on digital entrepreneurship & city innovation eco-system**

Moderator: Mr. Blaž Golob, Ljubljana Forum - GFS Institute

12.30 - 13.00	Mr. Tomaš Pavliček, CEO, Heliot; Ms. Andreja Satran, Program Director, ABC Accelerator; Mr. Matej Čer, Mobility Entrepreneur, Avant Car; Mr. Jan Künne, Digital Entrepreneur; Ms. Lea Bogatin, CEO, Linx International; Mr. Jurij Giacomelli, Managing Director, Giacomelli Media Management and Consulting Ltd; Mr. Frane Šesnić, CEO, Zagreb Innovation Centre	
13.00 - 13.15	Conclusions of Ljubljana Forum 2019	
14.00 - 15.00	Invitation to 10 th Ljubljana Forum on Future of Cities (10 th Anniversary) 1 st -2 nd October 2020	
15.00	Closure & Announcement of 10th Ljubljana Forum on Future of Cities (10th Anniversary) 1st-2nd October 2020	

Official Opening of Ljubljana Forum 2019



Zoran Janković, mayor of the City of Ljubljana

Mr Zoran Janković, mayor of the City of Ljubljana, and Mr Blaž Golob, chairman of Ljubljana Forum, welcomed participants to the ninth Ljubljana Forum inviting everyone to share their knowledge and experience concerning European cities as sustainable, smart, and inclusive cities.

The opening address of Mr Zoran Janković, focused on the desire to develop smart city practices, projects and ecosystems supporting a high quality of life in a sustainable manner since securing the planet for future generations is essential. The fastest way to achieve that is to learn from each other and embrace the new business models of sharing economy. For this reason, this annual gathering of mayors from the region is of high importance as it enables us to share our experience at a round table and inspire improvements everywhere in our region.



Blaž Golob, chairman of Ljubljana Forum, Ljubljana Forum - GFS Institute

Mr Blaž Golob, the chairman of Ljubljana Forum, continued by emphasizing the importance of this traditional event and thanking the cities that are returning to the Forum for many years.

These dedicated leaders are sharing the same goal - they are all striving to co-create cities of wellbeing. He concludes by inviting everyone.

Furthermore, he encouraged the participants to promote their own initiative or project and invite other participants to collaborate.



City leaders and representatives at Ljubljana Forum

About the highlights

Session I.

Keynote speech



Lorenzo Madrid, smart city expert, key note speaker

In the future, existing technology systems will be used for smart governance. Technology is becoming the 'city brain' since advance dashboards enable the city to make decisions and manage itself to a certain extent. Therefore, in a short time, solutions and a governance model of a city will be developed according to the vision and political views of its leaders and citizens. This can be implemented rather soon since the costs of technology is lowering fast and connected devices are becoming the norm. However, the human centred approach to providing solutions for citizens is still of the highest importance as the success of any smart city depends on the engagement and feedback of its citizens.

The key note was held by Mr Lorenzo Madrid, smart city expert, who spoke of city transformation. Smart cities foster a new way of governing the city. Continuously, the cities are competing for resources between each other and are developing new economic promises. These are associated with the level at which they operate.

- **Smart city 1.0:** automation of solutions, typically a vertical solution of IoT (example of collecting garbage)
- **Smart city 2.0:** interaction with the citizens (example multiple vertical application in one platform)
- **Smart city 3.0:** city is able to make autonomous decisions (example platforms where citizens can report a problem by sending a message and a picture)

"Technology is the driver of smart cities, which encourage a new way of governing. The so-called smart virtuous circle connects smart citizens, smart mayor, smart government, and smart city in one continuous circle of from which a city governance model is developed according to the vision and political views of its leaders and citizens."

Mr Lorenzo Madrid, smart city expert, key note speaker



Zoran Janković, mayor of the City of Ljubljana, **Blaž Golob**, chairman of Ljubljana Forum, **Lorenzo Madrid**, smart city expert & key note speaker, **Renato Mosca**, the Ambassador of Brazil in Slovenia

Signing ceremony of the Memorandum of understanding with Latin America

For the first time, the **Ljubljana Forum on Future of Cities (LF2C)**, an organization based in Ljubljana, Slovenia, with activities in the European Union, and the **Instituto Smart City Business Americas (SCBA)**, an organization based on São Paulo, Brazil, with business activities in several countries in Latin America, signed the Memorandum of Understanding.

Both organisations Ljubljana Forum on Future of Cities and *Instituto Smart City Business Americas*, have similar interests and see the opportunity in collaboration in order to better promote the exchange of technology, culture, and public sector management best practices, for the benefit of world cities and their citizens. Both organizations are willing to establish a partnership to leverage their respective expertise and help each other to achieve their specific goals to encourage the interchange of ideas and knowledge between the EU and Brazil and other countries in Latin America.

Mr Lorenzo Madrid and Mr Blaž Golob signed the memorandum of understanding (MOU) European-Latin America City networks and hubs cooperation for the benefit of the world cities. The Memorandum of Understanding was signed under the patronage of the mayor of the City of Ljubljana (European Green Capital 2016), Mr Zoran Janković, and the Ambassador of Brazil in Slovenia, Mr Renato Mosca,

Session II.

Smart – Sustainable – Inclusive city of the future



Miran Gajšek, head of department for urban planning, City of Ljubljana

Mr Miran Gajšek, head of the department for urban planning, City of Ljubljana, spoke about large scale infrastructure projects. EU funds intended for financial support of European macro regions are not adequately used for large scale infrastructure projects, especially not in SEE region. Stronger cooperation between governments is required, if the improvement of infrastructure across Europe is to be accomplished by EU financing to macro regions. In the case of Ljubljana, the ambition is to connect with the city of Rijeka and Venice to acquire co-financing for the railway infrastructure. Furthermore, the Ljubljana transport node can become an alliance between the Baltic and Adriatic countries. A joint effort is suggested to push the government to support the investments of macro region in railway infrastructure. If the national government, do not endorse this proposal, city administrations should address the EU commission with this strategy themselves in order to obtain the funds needed to realize large scale railway infrastructure projects.

"Macro regions are underutilized as a competitive advantage."

Mr Miran Gajšek, head of department for urban planning, City of Ljubljana

Mr Željko Jurić, head of the information technology department, City of Rijeka, dedicated his presentation to digital transformation of Rijeka city. City of Rijeka aims to achieve sustainable economic growth by relying on advanced technologies using strategic methodology introduced by the European Commission.

"The ambition of Rijeka is to become the model for other Croatian and European cities by filling the gaps that are currently hindering its advancement and capture the benefits of digital transformation."

Mr. Željko Jurić, head of information technology department, City of Rijeka

Although Rijeka has won award for being Croatian Smart City of the Year 2018, it is still in the early stages of implementing its digital strategy called the "Digital Ri-Wave". As they strive to spread the idea to other cities in the region, they have created a digital library that is open to the public to inspire the regional development.

Ms Lilijana Madjar, director of the Regional development agency of the Ljubljana urban region spoke about contrasted reality of West and East cohesion regions in Slovenia because neither has any governmental power. Slovenia divided into two cohesion regions, the West and East cohesion region but neither has any governmental power. The regions are highly diverse in its planning and development processes, which sometimes hampers sustainable regional development.

"A holistic approach to regional development in terms of digitalization is needed and cities are in perfect position to support activities of innovation in its municipality and wider region."

Ms Lilijana Madjar, director, Regional development agency of the Ljubljana urban region

She concluded that even though lower financial injections from European Union are expected in the multiannual financial framework for 2021 – 2027, the national government could replace this funding in combination with private investments.

Mr Božo Šimunović, architect, initiator and interim coordinator, presented the vision of the Europe M-Express. In the future, the cities will be connected and will run on sustainable energy. Furthermore, the cities will be able to produce green electric energy and advanced sustainable modes of transportation will be used, among them primarily hi-tech and high-speed trains that are comfortable, safe and most of all fast. They will be able to achieve the average speed of 500km/h. Since such solution can efficiently connect the whole Europe, this project was firstly initiated with the EU commission to connect Oslo, Hamburg, Berlin, Prague, Vienna, Ljubljana, Rijeka, Split, Dubrovnik, and Athens.



Željko Jurić, head of Information technology department, City of Rijeka



Lilijana Madjar, director, Regional development agency of the Ljubljana urban region



Božo Šimunović, architect, initiator and interim coordinator

Session III.

Round Table of Mayors City good practice cases – Role of the SEE capitals in the future Europe



Daniela Strassl, director for real estate strategies and infrastructure needs, Vienna, **Igor Radojičić**, mayor of Banja Luka, **Mičo Mičić**, mayor of Bijelina, **Zoran Janković**, mayor of Ljubljana, **Vojko Obersnel**, mayor of Rijeka, **Anuela Ristani**, deputy mayor of Tirana, **Levent Kasemi**, deputy mayor of Prizren



»The challenge is knowing how to secure the old and develop the new. Finding this balance that is the key to the wellbeing of the city is only possible by listening to the citizens in order to discover which issues they are facing. At the same time, all solutions need to be not only smart but also sustainable, if the world is to survive. In the future all cities need to become 'green capitals'.«

Mr Zoran Janković, mayor of Ljubljana



»From almost two decades of experience in the office, it is clear that involving citizens in early stages of the projects is crucial. For this reason, also when applying for the European Capital of Culture, there are tenders specifically tailored for the civil society. In addition, each year a part of the budget is spent according to the wishes and expectations from the citizens. To gather their opinions, an online game has been created enabling citizens to suggest, how the budget should be spent.«

Mr Vojko Obersnel, mayor of Rijeka



»The modern cities are to encourage job creation, digitalization and sustainability focus in their projects. However, higher quality of life in a city is attained only by interacting with the people. Within the project Banja Luka with human face, for example, an enormous impact is achieved by connecting with elderly people to provide solutions for them that are revitalizing the city simultaneously.«

Mr Igor Radojičić, mayor of Banja Luka



Igor Radojičić, mayor of Banja Luka, **Tjaša Ficko**, deputy mayor of Ljubljana, **Vojko Obersnel**, mayor of Rijeka, **Zoran Janković**, mayor of Ljubljana, **Mateja Avbelj Valentan**, director of the Ljubljana Castle, **Blaž Golob**, chairman of Ljubljana Forum

Ljubljana Forum is about exchanging good practices to strengthen the competitiveness of the region. Representatives of towns and cities were discussing the role of SEE cities in the future of Europe while focusing on the involvement of all city stakeholders already in the project design phase, which is the key factor for its success.

»As the population is growing fast, the challenge is primarily providing the quality of life for all while balancing the needs of both the new citizens and the old residents of the city. The voices of all need to be heard.«

Mr Mičo Mičić, mayor of Bijelina



»It is important to see the progress as a progress. Creating awareness can inspire engaging public debates on issues that touch all citizens. For example, introducing paid parking in Tirana was a tabu topic as it was to build the first bike lanes. Already in the design phase we think of citizen engagement and include elements of gamification, if possible. In the project of expanding green areas, for example, people were invited to plant a tree to make personal occasions, such as anniversaries, birthdays, etc.«

Ms Anuela Ristani, deputy mayor of Tirana



»The success of any (smart) city project depends on the level of engagements of the citizens. In addition, expert knowledge and skills are needed. Therefore, we have introduced the green office that is predominantly working with local and international experts to reduce gas emissions.«

Mr Levent Kasemi, deputy mayor of Prizren



»Smart city strategy cannot be implemented without informed and active citizens. Collaboration is vital in a fast growing city committed to ensure high standards of living for everyone. For instance, keeping around 50% of the city area green. What is more, we strive for technology solution and automation of processes and are currently building a new fully automated underground line.«

Ms Daniela Strassl, director for real estate strategies and infrastructure needs, City of Vienna



Session IVA:

Industry Solutions for Cities



Iztok Seljak, Edison ambassador, **Daniel Kozelj**, product manager Water cycle, Petrol, **Uroš Salobir**, director of the strategic innovation department, ELES, **Jan Künne**, digital entrepreneur

Mr Daniel Kozelj, product manager from Petrol presented water cycle solutions for cities. As in the global hydrological cycle, water also circles in the urban water cycle. It is marked by quick population growth, urbanisation, pollution and climate changes. To face this challenge, Petrol developed a range of solutions for water cycle management, because sustainable, green and smart society is part of their vision for the future.

Petrol improves the efficiency of water distribution systems operations and ensures its economic planning. They identify and reduce non-revenue water and manage water distribution systems in near real-time. Due to lower water loss in the water distribution phase a smaller water extraction from the environment is required. Moreover, waste water is treated with treatment plants or technological solutions until it is suitable to be released back into the environment. These topics are crucial for smart, sustainable cities.



»Our ambition is to provide solutions for more sustainable and efficient communities, where we take care of the quality of water resource quality and effective water management.«

Mr Daniel Kozelj, product manager Water cycle, Petrol

Mr Iztok Seljak, the Edison ambassador, presented the Edison platform that is enabling flexible eMobility. EDISON (eco driving innovative solutions and networking) is an innovative platform for future green mobility. It is co-creating the paradigm shift to the carbon free society and could be rightfully ranked among the key projects for accelerated development of the SEE region as it has a huge potential for development of the local economies.

Mr Uroš Salobir from ELES, presented smart, resilient and EV friendly grids. The main challenge of the future is the regulation of energy balance in the network. It is important that the energy system is disperse and does not rely on a few generators. Therefore, ELES promotes collaboration of different partners in order to co-create a resilient grid.

Mr Boris Nardin, chief of business development, from the Instrumentation Technologies, which is a highly experienced high-tech company that can provide cutting-edge solutions for city needs. He spoke about solving challenges in cities all around the world with advanced technology and ITRON Smart City Challenge in London. As the winner of Itron's London smart city challenge, they detected the issues most cities face and are able to provide a solution that will be integrated into the already existent smart city platform and create the platform in cooperation with trustful partners.

Mr Daniel Avdagic, managing director at the AV Living Lab, BTC, presented BTC City, a city as a lab. This type of a smart city is providing improved services to its citizens. It is a city as a service. One of its essential offers is the transport, which is why mobility as a service is one of the first issues cities decide to tackle. To achieve this, an open innovation ecosystem is needed to run countless smart city pilots testing the smarty city solutions. In cooperation with other living labs in Ljubljana, BTC City is one of the biggest living labs in Europe able to validate any smart city solution.

»Technology is merely an enabler. Only with human centred approach to the transformation, we can change habits of citizens rather fast.«

Mr Iztok Seljak, ambassador, EDISON



»All successful smart city solutions have one thing in common. They are turning city challenges into tailor made solutions for citizens with specific needs and desires.«

Mr Uroš Salobir, director of the strategic innovation department, ELES



»Automation needs to be implemented in a sensible way. We need to take the social aspects into account when developing smart city solutions.«

Mr Boris Nardin, chief of business development, Instrumentation Technologies



»Ideally, the city itself would become a testing lab. As this is too complex, the BTC City Ljubljana offers a unique environment for prototyping and testing of any smart city solution.«

Mr Daniel Avdagic, director, AV Living Lab



Session IVB:

Industry Solutions for Cities



Tibor Vincze, project coordinator, Blockwalks, **Marko Femc**, CEO, Plan-net, Filip Fele, department of planning and resource management, Slovenian Railways, **Mateja Matajič**, strategic projects manager and coordinator, Slovenian Railways, **Ram Dušić Hren**, solution IT architect & IBM Q ambassador at IBM, **Lea Bogatin**, CEO, Linx International

Mr Ram Dušić Hren, solution IT architect and IBM Q ambassador at IBM, presented AI an QC for cities of the future. A complex structure such as a modern city poses big challenges. How could the growing influx of people and businesses be handled while ensuring efficient support of infrastructure in a sustainable way?

Artificial Intelligence, advanced analytics and new computing capabilities are the answer to this future. They are excellent at handling complex models that humans cannot comprehend and they feed on an abundant resource that is (contrary to most natural resources) far from being depleted - data.



»In the future all energy we will be using will be coming from the sun and all cars will be electrical. This is the vision of Plan-net that is introducing electrical cars to the Slovene market.«

Mr Marko Femc, CEO, Plan-net



Ram Dušić Hren, solution IT architect & IBM Q ambassador at IBM

Ms Mateja Matajič, strategic projects manager and coordinator, and **Mr Filip Fele**, head of department from department of planning and resource management, presented the vision of mass and micro mobility of the Slovenian Railways. Slovenian Railways are transforming and are uniting the national public mobility system. Their aim is to integrate a one ticket system with the local mobility networks to provide their customers the micro and last mile mobility with the payment by minutes of use.

Mr Tibor Vincze, project coordinator from Blockwalks, spoke about blockchain in the public sector. The most impressive examples across the world are the ones governing the future of collaboration between public and private sector because decentralization of the government brings endless opportunities that can be rooted in trust and security provided by the blockchain technology.

Mr Marko Femc from Plan-net presented to the participants Plan-net mobility, such as new mobile solutions for cities, car sharing, EV charging, solar powerplants etc.

»Blockchain technology has an enormous potential for impactful utilization in the public sector.«

Mr Tibor Vincze, Project coordinator, Blockwalks



Session V.

Knowledge and Networks for Development of Cities



Luigi Amati, president, CEO & co-founder of META, **Enric Bas**, director at FUTURLAB-The Foresight Laboratory, University of Alicante, **Gabriela Viale Pereira**, CAP4CITY project coordinator, Danube University Krems, **Boris Koprivnikar**, Chief consultant, Sincular consulting

Mr Boris Koprivnikar, chief consultant from Sincular consulting spoke about managing digital side of city ecosystem. Smart is connected, synchronized, shared, used and reused. Understanding the interdependence, rules and processes of a smart ecosystem enables to prediction of future events and avoids or reduces unwanted situations.

The next speaker in this session was **Mr Luigi Amati**, president, CEO and co-founder of META, who presented citizens-led smart cities: The Challenge-Based Innovation Platform. Every city faces certain challenges. They might be environmental (litter, air pollution, drainage problems), social (unemployment, homelessness, ageing, disability) or transport-related, for example inefficient urban mobility. There are many possibilities. Bottom-up approach in the platform matches the energy and ideas of young, innovation-driven entrepreneurs to real-world issues.



»The Challenge-Based Innovation Platform enables cities to harness the power of entrepreneurs from around the world to address any issue and turn it into an opportunity.«

Mr Luigi Amati, president, CEO and co-founder of META



Mr Enric Bas, director at FUTURLAB-The Foresight Laboratory from University of Alicante, spoke about future scenarios for the shared and collaborative economy in 2030, and beyond. Within his research for the Mediterranean region, developed under the Open-DOORS framework, possible scenarios were developed to determine insights about what could be done regarding public policies to reach the preferable scenario because shared and collaborative economy has a crucial impact on the design of the smart cities through futures framework.



Enric Bas, director at FUTURLAB-The Foresight Laboratory, University of Alicante,

Ms Gabriela Viale Pereira, CAP4CITY project coordinator from Danube University Krems, presented strengthening governance capacity for smart sustainable cities in Europe and the Latin America region. The development of smart cities has no final stage and can be different for every city, depending on the context, problems, technologies and solutions. Therefore, developing smart sustainable cities is an evolutionary process of transforming the city by building a diverse range of capacities, including technological, human, organizational, and governance.

»Smart governance can be applied to the different levels of government, as the application of emerging technologies for improving decision-making processes. When applied to local government, smart city governance strongly focuses on the decisions made by government for improving the quality of life in cities, being the intersection of the main smart city dimensions, including smart living, smart mobility, smart people, smart economy and smart environment.«

Ms Gabriela Viale Pereira, CAP4CITY project coordinator from Danube University Krems



Session VI.

Financial instruments & Business models



Ana Bossler, chief market analyst at OFTEX-Internationalization, **Francesco Ferrero**, head of European Investment Bank (EIB) office in Ljubljana, **Moran Hadad**, President & Founder, Chaka, **Jurij Giacomelli**, managing director of Giacomelli Media Management and Consulting, **Jose Jacob Kalayil**, Founder & CEO, INTEGRO Infotech & Consulting

Mr Francesco Ferrero, head of European Investment Bank (EIB) office in Ljubljana, presented how EIB supports city development. The EIB bank provides inexpensive loans to project that are scrutinized in detail. Due to careful examination, EIB offers advice by their European Investment Advisory Hub, the joint initiative by the European Commission and the European Investment Bank, assisting the member states to identify investment needs and to prioritize, prepare and structure its projects.

Mr Moran Hadad, president and founder of Chaka, spoke about tech solutions for community development and an innovative financial mechanism. Chaka initiative is co-creating the world where creating and sustaining positive social impact is a joint cross-border, cross-community effort that makes the world move closer together. Chaka's communitarian financial solution, though initially designed for developing countries, is found to be particularly adapted to empower entrepreneurs by granting them an easier and more direct access to funds, while ensuring transparency, social inclusion and a balanced use of resources.



»The Chaka platform seeks to empower rather than help, and sustain rather than give, while tackling issues of smart cities and contribute to the citizen's wellbeing.«

Mr Moran Hadad, president and founder of Chaka



Ms Ana Bossler, chief market analyst at the OFTEX-Internationalization, spoke about building a collaboration framework for smart city initiatives. Smart cities and exports can seem like a paradox at first given the perception that a ICTs applied to urban spaces should improve the efficiency in the use of resources, including the possibility of sourcing locally. Blockchain technology can support local companies to become globally successful by providing transparency and safe transactions in smart cities as the key factor for exporting genius loci to the world.

Mr Jose Jacob Kalayil, Founder and CEO of INTEGRO Infotech & Consulting, emphasized the importance of a collaboration framework for any smart city initiative. Smart cities are after all about collaboration. We cannot build an ecosystem as an individual. It can be created only in cooperation with all key stakeholders. Hence, the India Advantage Summit brings together everyone from bankers to startups and private citizens, who together co-create the future cities.

»The key to more sustainable future and the drive to build smart city ecosystem faster is collaboration. Therefore, platforms such as the Ljubljana Forum enable ideas exchange and constant growth of initiatives worth replicating across the globe.«

Mr Jose Jacob Kalayil, Founder & CEO, INTEGRO Infotech & Consulting



Session VII.

Presentation of 7 projects



Frane Šesnić, CEO, Zagreb innovation centre, **Thomas Mayer**, head of strategic management, City of Vienna, **Tadej Smogavec**, head of marketing and key projects, Petrol, **Žiga Čebulj**, business development manager, Nervtech, **Giuseppe Giordano**, CEO, co-founder, ACC Mobility, **Giulia Delodi**, project manager, Futuredata, **Maja Zupančič Pintar**, senior consultant, GFS Institute, **Tihomir Divjak**, project manager, AeLeHSP - Africa-eLearning-eHealth-Satellite-Project



BIM, Building Information Management,
Image: pixabay.com

Mr Thomas Mayer, head of strategic management at the City of Vienna, presented BIM (Building Information Modeling). It is used by large construction sites to create better processes. Using this tool the city planning decisions are based on 3D and 5D simulations with the costs included. BIM is designed for cities that are constantly growing and require sensible management and data driven optimization of work processes.

Ms Nataša Vujačić, project manager, and **Mr Tadej Smogavec**, head of marketing and key projects, both from Petrol, presented e-mobility as an opportunity for public institutions. The project MULTI-E, supported by the European Commission, aims to create an integrated system along the Adriatic coast and expanding into the Cohesion countries, linking east to west and south to north, and sharing knowledge and expertise across the border. Results of the project are increased multi-modality through introduction of new services that offer innovative, zero emission transport options through e-carsharing and e-ride hailing services reducing car dependency. The goal is to integrate smart technologies for consumer convenience and to integrate multiple clean mobility services in one platform and for a shift to cleaner fuels by expanding the choice of alternative fuels in order to phase out conventionally fuelled vehicles in cities by 2050.

Mr Tihomir Divjak, project manager, AeLeHSP – Africa-eLearning-eHealth-Satellite-Project, spoke about implementation of SDGs in Lake Chad Region. More than 57 million children in Sub Sahara Region and Southern Asia are unfortunately not enrolled to school because there are no schools available. The Consortium NUCLEUS have been entrusted to implement a Pilot Project for 46 Migrant Camps and few villages in Chad. To achieve this action, it is necessary to provide a charity budget for the preparation of the Pilot Project implementation.

Ms Giulia Delodi, project manager from Futuredata presented the Ariadne project - an innovative approach to improve e-waste recycling. The project is based on the creation of a digital platform, which can handle data necessary to determine the location and quantity of various chemical elements present in electronic devices. This information is used to improve the dismantling and selection of e-waste components. Ariadne helps to "plan the funeral at the birth" of any electronic device by collecting data regarding materials contained in EEE directly from producers.

Mr Giuseppe Giordano, CEO and co-founder from ACC Mobility explained why we need zero emissions vehicles and how they work. He pointed out that urban mobility solution that produce zero emissions logistics, can be accessible to all city areas and have perfect dimensions for logistics in city center.



»We have launched an initiative to have their primary education realized through the "Satellite Schools", using and implementing satellite BB Internet. This vision for the implementation of primary schools, senior permanent education and medical assistance via satellite in Sub-Saharan Africa has been approved and become a mission during the "2nd International Conference SDG Implementation at the Lake Chad Basin Region" held in N'Djamena, Chad on 29 and 30 April 2019.«

Mr Tihomir Divjak, project manager, AeLeHSP – Africa-eLearning-eHealth-Satellite-Project



»Creation of a digital platform, which can handle data necessary to determine the location and quantity of various chemical elements present in electronic devices, closes the loop between the manufacturers of electronic devices on one hand and e-waste recovery facilities on the other hand.«

Ms Giulia Delodi, project manager, Futuredata

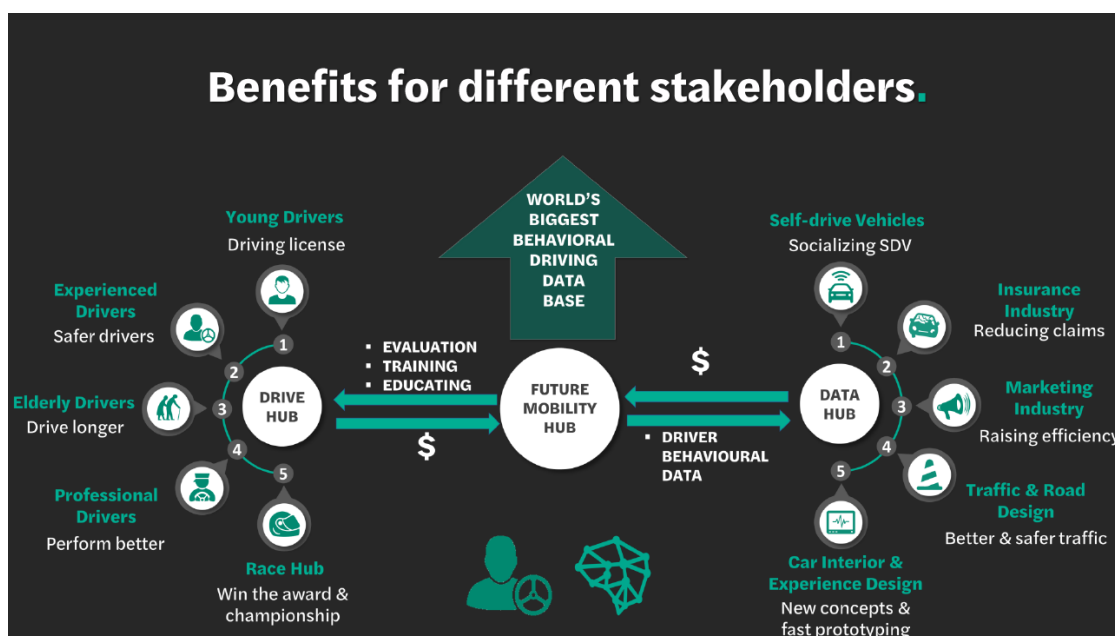


»When the traffic is being removed from the city centres, a VAN-eBIKES are the comfortable solution for logistics in the city centres of the future.«

Mr Giuseppe Giordano, CEO and co-founder, ACC Mobility



Mr Žiga Čebulj, business development manager from Nervtech, presented autonomous mobility in future cities. Autonomous driving, car connectivity, human-machine interaction and mobility as a service as well as alternative, sustainable, green propulsion solutions are being heavily supported by new investments. When it comes to mobility, the biggest issue yet to be tackled when it comes to mobility is safety. Although a lot of attention has been paid to driver assistance solutions, few are focusing on the 94% cause of all accidents, the human behaviour. Understanding the driver reactions in different driving situations and environments is the key to the future of mobility development. Data science, AI, deep machine learning and data integration are used for automatic evaluation of driver's performance.



Autonomous mobility in future cities, **Žiga Čebulj**, business development manager, Nervtech

Ms Maja Zupančič Pintar, senior consultant from GFS Institute, spoke about digital transformation of cities. She presented five steps for cities to take in order to become smarter. The steps to manage the complexity of smart city ecosystem are to define relevant fields of projects as well as goals and actions to become smarter: good preparation, vision definition and ambition, strategy co-creation, roadmap of projects, monitoring system, evaluation and upgrade of intelligence (smartness).



»City of wellbeing can be created by a new way of governing that deals with the complexity of interconnectedness of all stakeholders involved.«

Ms Maja Zupančič Pintar, senior consultant, GFS Institute

Session VIII:

Round table on digital entrepreneurship & city innovation ecosystem



Jurij Giacomelli, managing director of Giacomelli Media Management and Consulting, **Jan Künne**, digital entrepreneur, **Matej Čer**, mobility entrepreneur, Avant Car, **Frane Šesnić**, CEO, Zagreb innovation centre, **Blaž Golob**, chairman of Ljubljana Forum, **Andreja Satran**, program director, ABC Accelerator, **Tomaš Pavliček**, CEO, Heliot, **Lea Bogatin**, CEO, Linx International

Startups are looking to think out of the box and to improve smart city solutions. How can they be better and different? How can they build solutions that actually serve the needs of the citizens? How can you build solutions in collaboration with users?

In the Silicon Valley, there are pop up stores with solutions being pitched in order to ensure interaction with people in the early stages of the development. Innovation is not about the buzz words. It is a profitable solution put on the market. Leading innovations are all based on testing and hence being co-created in interaction with potential users. The true challenge is to create a new market, for which a mind shift is required that can be brought about only with great amounts of inspiration, education and awareness raising. To overcome all challenges and to endure this journey, one needs a clear vision and passion to set up an environment that is supportive of challenging the status quo. Ljubljana Forum is here to support initiatives by strengthening cooperation in order to provide the supportive environment for smart city solutions the cities of the future need to boost wellbeing of the citizens.



Ljubljana Forum Reception & Award Ceremony



Blaž Golob, chairman of Ljubljana Forum, **Marko Filipović**, deputy mayor of City of Rijeka, **Miran Gajšek**, head of department for urban planning, City of Ljubljana



During the Ljubljana Forum 2019 the 'Future of Cities Award' for the best innovation in the field of developing future of the cities has been given to the city of Rijeka, for their "Business incubator »Technology park – Torpedo«" project.



Ljubljana Forum's 'Future of the Cities Award' is an annual recognition of the most innovative smart city development project. This year's selection was extremely hard because the number of projects applying for the award is higher every year. Apart from the winning project "Business incubator »Technology park – Torpedo«" from the city of Rijeka, the following two projects also made it to the finals:

- the city of Banja Luka: 'District heating system Eko Toplane Banjaluka – biomass heating plant' project, and
- the city of Zagreb: 'Activities on the river Sava' project.

We congratulate the winner, the finalists, and extend our appreciation to all other applicants for participating in this year's competition.

At the award ceremony, Mr Miran Gajšek, head of department for urban planning, City of Ljubljana and Mr Blaž Golob, chairman of Ljubljana Forum, gave a speech.

The overall objectives of the Forum are to connect, enable, and encourage good practice cases in the region and concrete cooperation among various stakeholders.





Conclusions of Ljubljana Forum 2019

Ljubljana Forum has a reputation of bringing together all key stakeholders to co-create a global network of experts, entrepreneurs and cities leaders dedicated to implement good practices to develop local solutions contributing to the wellbeing of their citizens. Leaders of these cities understand that creating prosperous cities is not one smart city project but a continuous journey of transformation to a sustainable city of the future, a green city with smart infrastructure.





Jan Künne, digital entrepreneur, **Matej Čer**, mobility entrepreneur, Avant Car, **Frane Šesnić**, CEO, Zagreb innovation centre, **Blaž Golob**, chairman of Ljubljana Forum, **Miran Gajšek**, head of department for urban planning, City of Ljubljana, **Andreja Satran**, program director, ABC Accelerator, **Tomaž Pavliček**, CEO, Heliot, **Lea Bogatin**, CEO, Linx International, **Jurij Giacomelli**, managing director of Giacomelli Media Management and Consulting

At the ninth Ljubljana Forum we have yet again presented the research and development opportunities for smart cities of today with the focus on industry solutions for sustainable cities and smart infrastructure. Furthermore, the best smart city projects and startup ideas from the region were presented to inspire new smart city projects and collaboration between the private and public sector by exchanging knowledge and experience to design innovative solutions custom made for each city.

Even though some smart projects seem more important than others at the first glance, their success and impact depend largely on the vision of its creators that need to be determined on the journey full of obstacles. Another essential element of successful smart city projects is the passion of the team and organization in spreading the message of change as education is crucial to the mind shift of people. Therefore, the human approach to digital transformation is what moves the cities forward to a more sustainable future where living in smart cities will be the norm. For this reason, Ljubljana Forum is committed to accelerate the transformation of cities of our region and worldwide to achieve this future through knowledge exchange, cooperation and co-creation of sustainable smart cities.





About the People

City Leaders

Mr Marko Filipović, deputy mayor of the City of Rijeka
 Mr Miran Gajšek, head of department for urban planning, City of Ljubljana
 Mr Zoran Janković, mayor of the City of Ljubljana
 Mr Željko Jurić, head of information technology department, City of Rijeka
 Mr Levent Kasemi, deputy mayor of the City of Prizren
 Mr Thomas Mayer, director coordination, City of Vienna
 Mr Mićo Mićić, mayor of the City of Bijelina
 Mr Vojko Obersnel, mayor of the City of Rijeka
 Mr Igor Radojičić, mayor of the City of Banja Luka
 Ms Anuela Ristani, deputy Mayor of the City of Tirana
 Ms Daniela Strassl, director for Real Estate Strategies and Infrastructure Needs, City of Vienna

Speakers & Moderators

Ms Helena Ajdnik, event moderator, KREATIVUS
 Mr Luigi Amati, president, CEO & co-founder of META
 Mr Daniel Avdagic, managing director, AV Living Lab
 Mr Enric Bas, director at FUTURLAB-The Foresight Laboratory, University of Alicante
 Ms Lea Bogatin, CEO, Linx International
 Ms Ana Bossler, chief market analyst at OFTEX-Internationalization
 Mr Žiga Čebulj, business development manager, Nervtech
 Mr Matej Čer, mobility entrepreneur, Avant Car
 Ms Giulia Delodi, project manager, Futuredata
 Mr Tihomir Divjak, project manager, AeLeHSP - Africa-eLearning-eHealth-Satellite-Project
 Mr Ram Dušić Hren, solution IT architect, IBM Q ambassador, IBM

Mr Filip Fele, department of planning and resource management, Slovenian Railways
 Mr Marko Femc, CEO, Plan-net
 Mr Francesco Ferrero, head of European Investment Bank (EIB) office in Ljubljana
 Mr Miran Gajšek, head of department for urban planning, City of Ljubljana
 Mr Jurij Giacomelli, managing director of Giacomelli Media Management and Consulting
 Mr Giuseppe Giordano, CEO, co-founder, ACC Mobility
 Mr Blaž Golob, chairman of Ljubljana Forum, Ljubljana Forum - GFS Institute
 Mr Moran Hadad, president & founder, Chaka
 Mr Jose Jacob KALAYIL, founder & CEO, INTEGRO Infotech & Consulting
 Mr Zoran Janković, mayor of the City of Ljubljana
 Mr Željko Jurić, head of information technology department, City of Rijeka
 Mr Boris Koprivnikar, Sincular consulting
 Mr Daniel Kozelj, product manager water cycle, Petrol
 Mr Jan Künne, digital entrepreneur
 Ms Lilijana Madjar, director, Regional Development Agency of the Ljubljana Urban Region (RRA LUR)
 Mr Lorenzo Madrid, smart city expert & key note speaker
 Ms Mateja Matajčič, strategic projects manager and coordinator, Slovenian Railways
 Mr Thomas Mayer, director coordination, City of Vienna
 Mr Boris Nardin, business development, Instrumentation Technologies
 Mr Tomaš Pavliček, CEO, Heliot
 Mr Uroš Salobir, director of the strategic innovation department, ELES
 Ms Andreja Satran, program director, ABC Accelerator



Mr Iztok Seljak, Edison partnership
 Mr Frane Šesnić, CEO at Zagreb Innovation Centre
 Mr Božo Šimunović, architect, initiator and interim coordinator
 Mr Tadej Smogavec, head of marketing and key projects, Petrol
 Ms Gabriela Viale Pereira, CAP4CITY project coordinator, Danube University Krems
 Mr Tibor Vincze, project coordinator, Blockwalks
 Ms Nataša Vujačić, project manager, Petrol
 Ms Maja Zupančič Pintar, senior consultant, GFS Institute

Participants

Ms Mateja Avbelj Valantan, CEO of Ljubljana Castle
 Mr Egon Benčič, PROJEKT IP d.o.o.
 Mr Marjan Brelj, Petrol d.d.
 Mr Eva Burger, Stanovanjski sklad Republike Slovenije
 Mr Arian Debeljak, Mestna občina Ljubljana
 Mr Visar Dobroshi, RECURA
 Mr Uroš Dozet, Verso Altim d.o.o.
 Mr Gregor Flajnik, T2 Rotalab
 Ms Klavdija Godler, Petrol d.d.
 Mr Bojan Golic, Civil Service Agency of Bosnia and Herzegovina
 Ms Mia Golob, GFS Institute
 Mr Günther Graml, Graml Ltd., Bigbelly General Distributor
 Ms Maja Graml, Graml Ltd., Bigbelly General Distributor
 Ms Meta Grden, T2 Rotalab
 H.E. Mr Boris Grigić, Ambassador of the Republic of Montenegro to the Republic of Slovenia
 Mr Milan Grubor, Head of the cabinet, Banja Luka
 Mr Željko Gudžulić, Mestna občina Ljubljana
 Mr Peter Gunda PUBLICUM
 Ms Jonida Halili, General Director of Financial Management, Tirana

Mr Aleksander Hatlak, Petrol d.d.
 Ms Francesca Honnorat, The Big Wave
 Ms Andrea Imrecze, PUBLICUM
 Mr Miroslav Jakomin, Journalist, Naš stik
 Ms Nataša Jazbinšek Seršen, Mestna občina Ljubljana
 Mr Andrej Jerman Blažič, Jozef Stefan Institute
 Mr Goran Karadžić, NGO Sasvim druga priča
 Ms Anja Karafatska, CMM d.o.o.
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 H.E. Mr Avni Kastrati, Ambassador of the Republic of Kosovo to the Republic of Slovenia
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 Mr Stefano La Croce, ADVANTAGE AUSTRIA
 H.E. Mr Vujica Lazović, Ambassador of the Republic of Croatia to the Republic of Slovenia
 Mr Matjaž Likar, Municipality of Maribor
 Mr Nemanja Malbašič, SRC d.o.o.
 Ms Marija Mardonovic, CMM d.o.o.
 Mr Ljubomir Matić, Bijelina
 Mr Iztok Marenče



Ms Neda Milevska, Center for Regional Policy Research and Cooperation "Studiorum"
 Mr Arne Mislej, Solvera Lynx d.o.o.
 Ms Ana Mohorič, ADVANTAGE AUSTRIA
 Mr H.E. Renato Mosca, Embassy of the Federative Republic of Brazil in Slovenia
 Mr Žan Nakrep, Ad Lucem D. O. O
 Mr Ibrahim Nouhoum, Mednarodni afriški forum
 Mr Luka Novak, Nervtech
 Mr Fisnik Osmani, University of Mitrovica "Isa Boletini" - FACULTY OF MECHANICAL AND COMPUTER ENGINEERING
 Mr Vladimir Pavlov, NGO Sasvim druga priča
 Ms Polona Pirnat, Petrol d.d.
 Mr Ermir Puka, Municipality of Tirana
 H.E. Mr Pëllumb Qazimi, Ambassador of the Republic of Albania in Slovenia
 Mr Li Ray, Sadar+Vuga
 Mr Tilen Rebec, SRC d.o.o.
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 Mr Jurij Sadar, Sadar+Vuga
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 Mr Bojan Stojanović, Petrol d.d.
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 Mr Jože Torkar, Petrol d.d.
 Ms Maša Trček, ELSA
 Mr Toni Widjaya, Sadar+Vuga
 Mr Drilon Zogaj, Embassy of the Republic of Kosovo to the Republic of Slovenia
 Mr Gorazd Zorič, T2 Rotalab

Mr Jože Zrimšek, T2 Rotalab
 H.E. Mr Milorad Živković, Ambassador of the BIH to the Republic of Slovenia

Team

Ms Brigita Bračko
 Mr Miha Sever
 Ms Nina Zalar
 Ms Nataša Tanasić
 Ms Nika Glavnik
 Ms Marija Mardonović



Complete solutions

PETROL

Energy for life

Petrol as the largest energy company in South East Europe has a clear vision of future low carbon society. With more than 70 years' experience and long-term BBB investment grade, we are transforming to a **Multi-Utility Mobility and Energy service Company (MUMESCO) Company** that can help execute investments in smart city solutions or help investing through public private partnerships.

As a recognised partner of smart cities in the region, we manage five of the aspects that are important to cities, namely **energy, buildings, infrastructure, the environment and mobility**, in an optimum manner in order to achieve their goals, using minimum of energy and producing minimum environmental footprint.



Partnering for efficient production, supply and distribution of **energy** in cities, we optimise and manage district heating systems of cities, supply cities with cleaner, eco-friendlier energy sources, and construct the necessary infrastructure. We invest in power production coming from renewable energy sources, such as geothermal energy, wind power, solar power and hydropower.



Executing comprehensive solutions in the field of the supply and use of high-quality drinking water, supported by expert management tools, we provide cities with the control of their **infrastructure**, optimisation of their water supply and development planning. We significantly contribute to reducing the costs of water distribution, diminish energy consumption, reduce water losses and take care of wastewater operations.



With state of the art technology, we are digitalising the pathway for all smart city users, through solutions that connect data flow from IoT devices, public utilities to end users and through our digital outlets and smart home solutions. Let's invest in smart decisions together.



New reality of global affairs

One Belt One Road initiative

About GoForeSight Institute www.goforesight.eu

Mission

GoForeSight

Vision

Supporting stakeholders in achieving prosperity and promoting development towards just world.

Foresight

A systematic, participatory, and multi-disciplinary approach to explore mid-to long-term futures and drivers of change.
(Forward Thinking Platform)





GoForeSight Institute
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