

**6. LJUBLJANA
FORUM**



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FUTURE OF **CITIES**

SUSTAINABLE – SMART – INCLUSIVE

SMART CITY

GREEN CITIES & SMART INFRASTRUCTURE



Synthesis Report

Conference

October 6th, 7th 2016 • Ljubljana Castle, Slovenia

Welcome to Ljubljana!

Ljubljana - European Green Capital 2016

Ljubljana, the capital of Slovenia, is an environmentally ambitious city and known as green, clean, safe, and friendly – as numerous international awards, among which we are happy to highlight the European Green Capital Award 2016, undoubtedly prove. According to the jury, this prestigious title was given to Ljubljana for being the city that made the biggest change in the field of sustainability in the shortest time. This is a result of continuously following the Vision Ljubljana 2025, created already in 2007. With it, we have embarked on the path towards ideal sustainable city and are pursuing set goals within its framework – ensuring the quality of life for all residents. All achievements resulted in prestigious awards and recognitions. Besides the European Green Capital title, Urban Public Space for the project of the Refurbishment of the Banks and Bridges of the River Ljubljanica, Golden Apple, and Tourism for Tomorrow awards (and others that recognize Ljubljana as the best „green“ tourist destination such as ranking on the Global Top 100 Sustainable Destinations 2014 and 2016 lists), we can highlight also the Access City Award 2015 for improvements for people with disabilities, Eurocities 2013 award in the "Smart living" category, and the European Mobility Week award, which we, as the only European city, received twice – in 2003 and 2013, etc.

Mr Zoran Janković

Mayor of the City of Ljubljana

In ten years we have carried out more than 1,700 projects, and in this year we have been implementing 132 sustainable projects (among which only 30 need to be completed). All these projects are in line with the sustainable development Vision Ljubljana 2025. Every award is a commendation for the invested effort and the efficient co-operation of a large "city family" of 12,089 colleagues in the city administration, public companies, and institutions. We are grateful for the support of all our stakeholders from residents to NGOs, companies, and institutions from private, academic, educational, and other sectors.



To learn more about Ljubljana as a European Green Capital, please visit:

<http://www.greenljubljana.com/>

To learn more about Slovenia as a Green Destination, please visit:

<https://english.sta.si/2307813/slovenia-declared-worlds-first-green-country>

Foto: Aartstudio

Conference



Synthesis report on
FUTURE OF **CITIES**
SUSTAINABLE – SMART – INCLUSIVE
SMART CITY
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& SMART INFRASTRUCTURE

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Welcome address of **Mr Miro Cerar**, Prime Minister of the Republic of Slovenia

"Distinguished guests of this year's Ljubljana Forum,

it is a great pleasure for me to welcome you today as a Prime Minister of the Republic of Slovenia. Our government set the transition to green economy as one of its priority task. This context also includes our main objective, which is Slovenia as a green Reference Country in Digital Europe. On the basis of this year's focus of the conference, green cities and smart infrastructure, I am pleased to note that we are all aware of the key modern needs and challenges. And by that also of opportunities for all of us. History clearly shows how crucial cities are for the competitiveness of every country and for the development of its society. Yet it is becoming more and more clear that cities are only competitive if they are able to provide a healthy living environment and efficient forms of living as well as answer all the other new needs of their communities or citizens. Today, a successful city can only be the city that develops in dialogue with its citizens and primarily because of them. Green cities of the present and the future therefore answer these demands with a comprehensive and sustainable development concept, based on a cooperation and integration of all. For our government, green economy is not a goal as such, but a process. The government has already adopted a framework and an adequate action plan for the transition to the green economy. Already in this month, we are also establishing a partnership for green economy in Slovenia, since we are aware of the necessity of effective participation of all stakeholders at different levels and areas. In the meanwhile, our green efforts and the work of our cities and other local communities are becoming more and more recognized abroad. I can proudly remind that in the last week Slovenia received a prestigious Green Award. We have become the first green destination at the state level. With a government initiative "Slovenia, a green Reference Country in Digital Europe" we wish our country to become a reference environment for the introduction of innovative approaches in the use of digital technologies and for the development of new business models. And by that, cities are, of course, our key partners. Let me at this point wish you a successful work and a pleasant stay in Ljubljana. Ljubljana, The Green Capital 2016, which already strongly follows this direction."



Mr Miro Cerar,

Prime Minister of the
Republic of Slovenia

Shared Leadership Introduction

Cities are the place where we live, work and spend our free time. With the role of the state borders decreasing, cities are again re-acquiring the role of economic, commercial, and cultural centers they had in the past. Cities were founded to provide quality services for their residents, which remained their main task until today. But even if the task remains the same, conditions have changed, since we live in an era of intense urbanization and rapid changes. If cities want to maintain their functionality, they have to adapt and find new ways of governance that will be sustainable and in harmony with the technological age we live in.

In year 2016, Ljubljana Forum – Future of Cities celebrates 5 years of achievements. Every year since 2011 Ljubljana Forum gathers city leaders, supporters, and other interested parties to discuss important city challenges, such as energy efficiency, mobility, water management, citizens' empowerment, and in this year green cities and infrastructure. The aim is to connect, share the knowledge, and stimulate further growth.

I am proud to say that since its beginning, Ljubljana Forum gathered over 700 participants and over 200 international expert speakers and moderators, introduced over 70 innovative governance, business, and technology solutions for promoting smart city development and improving city management, shared over 40 best smart city practice cases and projects presenting innovative business models and technology solutions for smart city, and inspired 5 new project initiatives with a total value exceeding 280 million Euro.

5 key messages of 6th Ljubljana Forum:

1. Cities need to **get future ready** by recognizing contemporary and future challenges and take advantage of the inherent opportunities.
2. Cities need to learn from good practices and adopt the **vision of green and sustainable growth**.
3. The City of Ljubljana is ready to share its European Green Capital knowledge and legacy with cities worldwide, since the future progress is based on **connecting and collaboration**.
4. **People empowerment** is the essence of every city; therefore cities should develop new participatory methods to enter the era of digital democracy.
5. **Technology is an enabler** of green growth and can help cities shift their change towards sustainability and efficiency with the help of industrial smart solutions.

You are kindly invited to browse through this report with summaries of lectures, solutions for cities, and the accompanying events. Follow our work at www.ljubljanaforum.org.
See you at Ljubljana Forum 2017!

Blaž Golob

Chairman of Ljubljana Forum
President Foresight Europe Network FEN





Mr Zoran Janković,
Mayor of Ljubljana, Slovenia



Mr Jerome C. Glenn,
Director of the Millennium
Project, the United States
of America



Mr Miran Gajšek,
Co-Chairman of Ljubljana
Forum, City of Ljubljana,
Slovenia



Mr Blaž Golob,
Chairman of Ljubljana
Forum, FEN President,
Slovenia



Mr Joris Scheers,
President of the European
Council of Town Planners
(ECTP CEU), The
Netherlands



Mr Javier Martinez, VP
of Business Development
& Sales at Libelium Ltd.,
Spain



Ms Cornelia Daheim,
CEO of Future Impacts,
Vice President Foresight
Europe Network FEN,
Germany



About Ljubljana Forum 2016

Ljubljana Forum 2016

Future of cities conference, held on 6th and 7th of October 2016 at Ljubljana castle, Ljubljana, Slovenia, gathered over 150 participants to exchange knowledge and discuss the issues, opportunities and ideas on **green cities and smart infrastructure**. The participants had the opportunity to network and build new alliances to co-operate on innovative projects and initiatives.

45 speakers and moderators from government, cities and municipalities, business, institutes, and universities, shared their insights on the key urban development challenges, future development opportunities, and the best smart city development projects with the aim to build green cities and smart infrastructure. City leaders exchanged good and bad city practice cases and formed new ideas for the future green and smart projects.

Objectives of Ljubljana Forum 2016

- 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.

Organizers and partners of Ljubljana Forum 2016

- GFS Institute
- City of Ljubljana
- SmartIScity
- Libelium
- SmartIS
- The Events
- The Millennium Project
- Circular Change
- Petrol
- BTC City
- IBM
- Iskratel
- 2Mobile
- Government of the Republic of Slovenia
- Spirit Slovenija

- Srce mojega mesta – Oživljanje podjetništva v mestnih jedrih

Participating cities

- City of Ljubljana
- City of Belgrade
- City of Bjeljina
- City of Budapest
- City of Priština
- City of Sarajevo
- City of Tirana
- City of Zagreb
- City of Novo mesto
- City of Čačak
- City of Tržič
- City of Idrija
- City of Vienna
- City of Rijeka



Mr Milutin Folić, Director of Urban Planning of the City of Belgrade, **Mr Sidó Szabolcs**, Head of the Directorate Department at the Mayor's Office Budapest, **Mr Muhedin Nushi**, Director of Administration Directorate at the Municipality of Pristina, **Mr Miran Gajšek**, Head of Department for Urban Planning at City of Ljubljana, **Ms Alenka Žumbar**, CEO and Editor in Chief at Energetika.net, **Mr Ivo Komšić**, Mayor of the City of Sarajevo, **Mr Erion Veliaj**, Mayor of the City of Tirana, and **Ms Branka Tabak Paraščić**, Head of the Department for systematic monitoring of implementation of urban projects

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 South-East 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.

City Leaders and Representatives at Ljubljana Forum 2016



Mr Miran Gajšek, Head of Department for Urban Planning at City of Ljubljana, Slovenia



Mr Milutin Folić, Director of Urban Planning at the City of Belgrade, Serbia



Mr Sidó Szabolcs, Head of the Directorate Department at the Mayor's Office Budapest, Hungary



Mr Muhedin Nushi, Director of Administration Directorate at the Municipality of Pristina, Kosovo



Mr Ivo Komšić, Mayor of the City of Sarajevo, Bosnia and Herzegovina



Mr Erion Veliaj, Mayor of the City of Tirana, Albania



Ms Branka Tabak Paraščić, Head of the Department for systematic monitoring of implementation of Urban Projects at City of Zagreb, Croatia

Speakers of Ljubljana Forum 2016



Mr Zoran Janković,
Mayor of the City of Ljubljana



Mr Miro Cerar, Prime
Minister of the Republic of
Slovenia



Mr Tomaž Berločnik,
President of the Management
Board at Petrol d. d.



Mr Joris Scheers,
President of the European
Council of Town Planners
(ECTP CEU)



Mr Blaž Golob, Chairman
of Ljubljana Forum, President
Foresight Europe Network
FEN



Mr Jerome C. Glenn,
Director of the Millennium
Project



Mr Tadej Slapnik, State
Secretary at the Office of the
Prime Minister of Slovenia



Ms Cornelia Daheim,
CEO of Future Impacts, Vice
President Foresight Europe
Network FEN

Mr Nicolaas Beets, Dutch
Urban Envoy



Mr Miran Gajšek, Head
of Department for Urban
Planning at City of Ljubljana



Ms Ajda Cuderman,
Energy Solutions at
Petrol d. d.



Mr Javier Martinez, VP
of Business Development &
Sales at Libelium Ltd.



Mr Julij Božič, Chief
Innovation and Digital Officer
at BTC d. d.



Mr Simon Novak, Head
of Sales & Marketing at
SmartIScity Ltd.



Mr Dejan Podgoršek,
Manager for Business
Development & ISVs, SEE at
IBM Innovation Center



Mr Gorazd Novak,
Iskrate d. o. o.





Mr Javier Ealo, Business Development Manager for CEE at Robert Bosch

Mr Blaž Peternel, Head of R&D at SmartIS Ltd.



Mr Matjaž Možina, CEO at 2Mobile Ltd.

Mr Luka Jesenšek, Game changers, winners of Young Bled Strategic Forum business challenge



Mr Enric Bas, University of Alicante, EU SFRI Advisory Group

Mr Tihomir Divjak, Independent SatCom Consultant Group



Mr Jean-Michel Errera, Co-founder of MIPISE

Mr Dalibor Radovan, Head of Development sector at Geodetic Institute of Slovenia



Mr Miroslav Polzer, consultant IAAI GloCha Klagenfurt am Wörthersee

Mr Marko Bajec, prof. dr. at the Faculty of Computer & Information Science, University of Ljubljana



Ms Polona Mežan, Chamber of Commerce and Industry of Slovenia

Ms Ladeja Košir, Leader & Executive Director at Circular Change



Mr Jose Jacob, Founder & CEO at Integro Infotech & Consulting

Mr Alex Mateo, Industry Manager for Smart Cities at Libelium Ltd.



Ms Anna Sacio - Szymanska, Director's Plenipotentiary for EU-funded R&D Programs at ITeE - PIB, Vice President Foresight Europe Network FEN

Ms Nina Pižorn, Marketing Specialist at SmartIScity Ltd.



Mr Wolfdietrich Fabritz, Medgroup Consulting

Moderators of Ljubljana Forum 2016

Ms Tanja Bogataj, State
Secretary at the Ministry of
Public Administration



Ms Alenka Žumbar,
CEO and Editor in Chief at
Energetika.net



Mr Frane Šesnić, CEO of
Razvojna agencija Zagreb



Mr Miran Gajšek, Head of
Department for Urban Planning
at City of Ljubljana



**Mrs Daniela Bervar
Kotolenko**, CEO at Business
Intelligence Center



Mr Blaž Golob, Chairman of
Ljubljana Forum, President FEN



About the agenda

Thursday, October 6th, 2016

Place of venue: **Ljubljana Castle**

Time	Session	Speaker
9.00 – 9.30	Official Opening of Ljubljana Forum 2016 Introduction & Welcome address	Mr Zoran Janković, Mayor of the City of Ljubljana Mr Miro Cerar, Prime Minister of the Republic of Slovenia, video message Mr Tomaž Berložnik, President of the Management Board at Petrol d. d. Mr Joris Scheers, President of the European Council of Town Planners (ECTP CEU) Mr Blaž Golob, Chairman of Ljubljana Forum/FEN President
9:30 – 9:45	Key note address: Moving toward Conscious - Technology Cities of the Future	Mr Jerome C. Glenn, Director of the Millennium Project

Session I: **Green Cities & Smart Infrastructure**

Moderator: Ms Tanja Bogataj, State Secretary at the Ministry of Public Administration

9:45 – 10:45	The role of successful partnership for Green Growth	Mr Tadej Slapnik, State Secretary at the Office of the Prime Minister of Slovenia
	Future of Work & Cities	Ms Cornelia Daheim, CEO of Future Impacts, FEN Vice President
	EU Urban Agenda & new opportunities for cities development	Mr Nicolaas Beets, Dutch Urban Envoy
	Connecting cities with corridors	Mr Miran Gajšek, Head of Department for Urban Planning at City of Ljubljana

Session II: **Round Table of City Leaders - City Good Practice Cases**

Moderator: Ms Alenka Žumbar, CEO and Editor in Chief at Energetika.net

11:15 – 12:45	Mr Miran Gajšek, Head of Department for Urban Planning at City of Ljubljana, Mr Milutin Folić, Director of Urban Planning of the City of Belgrade, Mr Sidó Szabolcs, Head of the Directorate Department at the Mayor's Office Budapest, Mr Muhedin Nushi, Director of Administration Directorate at the Municipality of Pristina, Mr Ivo Komšić, Mayor of the City of Sarajevo, Mr Erion Veliaj, Mayor of the City of Tirana, Ms Branka Tabak Parašćić, Head of the Department for systematic monitoring of implementation of urban projects at City of Zagreb	
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Session III: **Industry solutions for Green Cities & Smart Infrastructure**

Moderator: Mr Frane Šesnić, CEO of Razvojna agencija Zagreb

14:15 – 16:30	Smart Water and District Heating	Ms Ajda Cuderman, Energy Solutions at Petrol d. d.
	Smart Cities: from hype to reality. Generating value through interoperability	Mr Javier Martinez, VP of Business Development & Sales at Libelium Ltd.
	BTC – Smart City Living Lab	Mr Julij Božič, Chief Innovation and Digital Officer at BTC d. d.
	Smart Infrastructure starts with Smart City Platform	Mr Simon Novak, Head of Sales & Marketing at SmartiScity Ltd.
	Cognitive IoT for Green Cities	Mr Dejan Podgoršek, Manager for Business Development & ISVs, SEE at IBM Innovation Center
	Smart Infrastructure for Safer Cities	Mr Gorazd Novak, Iskratel d. o. o.
	Invented for Life: Smart Mobility Solutions for Smart Cities	Mr Javier Ealo, Business Development Manager for CEE at Robert Bosch
	Smart solution: ParkMeWise – Smartcity solution for Park & Pay	Mr Matjaž Možina, CEO at 2Mobile Ltd.
19:30	Ljubljana Forum Reception & Award Ceremony	

Friday, October 7th, 2016

Place of venue: **Ljubljana Castle**

Session IV: **Knowledge, Business models and Financial instruments for Green Cities & Smart Infrastructure**

Moderator: Mr Miran Gajšek, Head of Department for Urban Planning at City of Ljubljana

Time	Session	Speaker
9:00 - 10:00	Democracy 2.0: Citizen as User or the role of Participatory Methods in Politics	Mr Enric Bas, University of Alicante, EU SFRI Advisory Group
	Mipise: Create your own crowdsourcing and crowdfunding platform in just two clicks	Mr Jean-Michel Errera, Co-founder of MIPISE
	Town center management (TCM) as an Instrument for city development	Mr Miroslav Polzer, consultant IAAI GloCha Klagenfurt am Wörthersee, & Ms Polona Mežan, Chamber of Commerce and Industry of Slovenia
	100 Smart Cities	Mr Jose Jacob, Founder & CEO at Integro Infotech & Consulting

Session V: **Presentation of 7 projects**

Moderator: Mrs. Daniela Bervar Kotolenko, CEO at Business Intelligence Center

10:00 - 11:15	1. Becoming future-oriented entrepreneurs in universities and companies - why & how?	Ms Anna Sacio - Szymanska, Director's Plenipotentiary for EU-funded R&D Programs at ITeE - PIB
	2. Smart Health Care	Mr Wolfdietrich Fabritz, Medgroup Consulting
	3. Connected District	Mr Blaž Peternel, Head of R&D at SmartIS Ltd.
	4. World 2.0	Mr Luka Jesenšek, Game changers, winners of Young Bled Strategic Forum business challenge
	5. Connecting Sava River	Mr Tihomir Divjak, Independent SatCom Consultant
	6. Smart City Geo-Indicators for Real Estate	Mr Dalibor Radovan, Head of Development sector at Geodetic Institute of Slovenia
	7. EkoSMART, Smart City Ecosystem	Mr Marko Bajec, prof. dr. at the Faculty of Computer & Information Science, University of Ljubljana

Session VI: **Round table on entrepreneurship for green cities**

Moderator: Mr Blaž GOLOB, Chairman of Ljubljana Forum/FEN President

11:30 - 12:15	Ms Ladeja Košir, Leader & Executive Director at Circular Change Mr Jose Jacob, Founder & CEO at Integro Infotech & Consulting Mr Alex Mateo, Industry Manager for Smart Cities at Libelium Ltd. Ms Nina Pižorn, Marketing Specialist at SmartIScity Ltd. Mr Luka Jesenšek, Game changers, winners of Young Bled Strategic Forum business challenge
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12:15 - 12:30	Closure Conclusions of Ljubljana Forum 2016 (Announcement of 2017 Forum on Future of Cities)
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Official Opening of Ljubljana Forum 2016

Mr Zoran Janković, Mayor of the City of Ljubljana, **Mr Miro Cerar**, Prime Minister of the Republic of Slovenia, **Mr Tomaž Berločnik**, President of the Management Board at Petrol d. d., **Mr Joris Scheers**, President of the European Council of Town Planners (ECTP CEU), and **Mr Blaž Golob**, Chairman of Ljubljana Forum, welcomed all participants of 6th Ljubljana Forum and invited them to actively participate in the discussion on green cities and smart infrastructure.

5 Highlights of Ljubljana Forum 2016 – Green Cities & Smart Infrastructure

- 1.** Presentation of contemporary city opportunities, challenges and solutions in conversation with City Leaders and Influencers
- 2.** An insight into Conscious-Technology Cities of the Future by one of the most important futurists, Jerome C. Glenn
- 3.** Recognizing and rewarding best innovative practices in developing future of cities with Ljubljana Forum Award 2016
- 4.** Presentation of best smart city projects in various fields and parts of Europe
- 5.** Discovering innovative industry solutions for Green Cities & Smart Infrastructure that will shape the cities of tomorrow



Mr Tomaž Berločnik, President of the Management Board at Petrol d. d., **Mr Zoran Jankovič**, Mayor of the City of Ljubljana, **Mr Blaž Golob**, Chairman of Ljubljana Forum, President FEN, and **Mr Jerome C. Glenn**, Director of the Millennium Project

"More cities should adapt the vision of green cities and work towards providing best services for their citizens. Conclusions from 6th Ljubljana Forum – Future of cities will help us increase the quality of life in our cities – that's why exchange of good, but also bad practices is so important."

Mr Zoran Jankovič, Mayor of the City of Ljubljana, Slovenia

"Petrol d. d. has been a part of Ljubljana Forum from its beginning in 2011, with an aim to develop a far-reaching vision by connecting with different stakeholders and discussing about smart, green, and sustainable solutions that will bring benefits to the people."

Mr Tomaž Berločnik, President of the Management Board at Petrol d. d.

"In 2016 Ljubljana Forum celebrates 5 years of achievements in shaping the future of cities. Going forward it is the knowledge and experience of city governance combined with visions of young people that are crucial for future development of cities' smart strategies."

Mr Blaž Golob, Chairman of Ljubljana Forum

"Contemporary European cities are facing three important challenges: how to rethink the economic and mobility network in the digital epoch, how to establish a strong relationship with their hinterland, and how to create new modes of governance. In order to keep moving forward, we must face this challenges, and Ljubljana Forum is an excellent opportunity to let freely float ideas, best practices, and concrete solutions for European cities."

Mr Joris Scheers, President of the European Council of Town Planners (ECTP CEU)



Key note address:

Moving toward Conscious-Technology Cities of the Future

Mr Jerome C. Glenn, Director of the Millennium Project

We live in a modern world with **two prevailing trends**: humans becoming cyborgs and built environment becoming intelligent, conscious. Artificial Intelligence will soon surpass our cognitive abilities.

To keep up, our brain will in the not-so-far future be directly connected to the Artificial Intelligence by a special interface, making us augmented humans. And in this world, cities will form a totally new connection to their citizens.

We are moving towards **Conscious-Technology cities**, where AI and Internet of Things will enable the **integration of city with virtual information**. Cities will collect enormous quantities of data from IoT, Nano Sensors, and Artificial Intelligence, which will directly connect the city to its citizens' minds. This will create **a totally new human-city interface**, enabling citizens to actively participate and contribute to their city's development.



Mr Jerome C. Glenn, Director of the Millennium Project, Ms Zdravka Zalar, CEO at SmartIS d. o. o., and Mr Jože Mermal, Chairman of the Board BTC d. d.

But the future comes also with new economics, where radically increased use of future technologies will lead to **long-term structural unemployment**. That is a challenge cities have to foresee and **prepare for by creating long-term strategies**. Augmented by AI and IoT, the future is bringing radical change, we can face only by creating an Urban Collective Intelligence System. European Commission has already made the first steps down this path and created a **European Knowledge Space that connects citizens, groups of experts, computers, data, and knowledge**.

“World gets smarter moment by moment and not day by day. At the Millennium Project we are already taking action to predict the future or work/technology and create global scenarios, which will enable us to successfully address forthcoming challenges.”

Mr Jerome C. Glenn, Director of the Millennium Project

About the highlights

Session 1:

Green Cities & Smart Infrastructure



Ms Tanja Bogataj, State Secretary at the Ministry of Public Administration, **Mr Tadej Slapnik**, State Secretary at the Office of the Prime Minister of Slovenia, **Ms Cornelia Daheim**, CEO of Future Impacts, Vice President FEN, **Mr Nicolaas Beets**, Dutch Urban Envoy, and **Mr Miran Gajšek**, Head of Department for Urban Planning at City of Ljubljana

Modern challenges and trends, such as the changing nature of work, innovation and connectivity, mobility, unemployment, and growing diversity, will strongly impact the future of our cities.

With digitalization and knowledge work becoming more and more independent of place and time, the layout of cities is changing towards barrier-free infrastructure in physical and digital realm. At the same time, cities and countries are increasingly aware of the need for green growth and are therefore forming strategic partnerships, which involve various stakeholders from industry, local communities, expertise, and the government. In Slovenia, the Partnership for Green Economy brought over 70 key industry investors to cities and allowed for the sharing of best practices, exchange of knowledge and experience, and two-way cooperation. Thematic partnerships on priority themes are a key instrument also in realizing the Urban Agenda for the EU, which aims to improve the urban dimension in European law- and policymaking. One of the key instruments for its implementation is also the network of capital cities of EU, where Ljubljana plays an important role. As the European Green Capital 2016, Ljubljana can share its experience, collaborate, and connect with other cities, if they establish the same problems and recognize the same priorities.

Ms Cornelia Daheim, CEO of Future Impacts, Vice President FEN, and **Ms Tanja Bogataj**, State Secretary at the Ministry of Public Administration



"Building successful partnerships is crucial for establishing green growth. Establishing the Partnership for Green Economy of Slovenia, we find cities to be our key partners to address the challenges and link people, policies, and stakeholders."

Mr Tadej Slapnik, State Secretary at the Office of the Prime Minister of Slovenia



"Two interrelated trends strongly affect the future of cities: the changing nature of work and the push towards more inclusion. Cities are prominently affected by these changes and will benefit from seizing the opportunities inherent in them, which will improve quality of life."

Ms Cornelia Daheim, CEO of Future Impacts, Vice President FEN



"Cities are places where opportunities and challenges meet. As a part of its EU Presidency, Dutch Ministry for the Interior made Urban agenda for the EU its priority mission, with an aim to provide better regulations, better funding, and better knowledge exchange."

Mr Nicolaas Beets, Dutch Urban Envoy



"In the City of Ljubljana, we believe that following the twelve groups of criteria for European Green Capital and the EU Urban agenda 2014-2020 is of key importance for achieving the basic goals of EU 2020, i.e. social, economic, and territorial cohesion."

Mr Miran Gajšek, Head of Department for Urban Planning at City of Ljubljana



Session II:

Round Table of City Leaders - City Good Practice Cases



Mr Jerome C. Glenn, Director of the Millennium Project, **Mr Blaž Golob**, Chairman of Ljubljana Forum, President FEN, **Mr Milutin Folić**, Director of Urban Planning of the City of Belgrade, **Mr Sidó Szabolcs**, Head of the Directorate Department at the Mayor's Office Budapest, **Mr Muhedin Nushi**, Director of Administration Directorate at the Municipality of Pristina, **Mr Miran Gajšek**, Head of Department for Urban Planning at City of Ljubljana, **Ms Alenka Žumbar**, CEO and Editor in Chief at Energetika.net, **Mr Ivo Komšić**, Mayor of the City of Sarajevo, **Mr Erion Veliaj**, Mayor of the City of Tirana, and **Ms Branka Tabak Paraščić**, Head of the Department for systematic monitoring of implementation of urban projects

Mayors and city leaders discussed their key city development challenges and opportunities for smart growth.

City leaders stressed the importance of sharing good and bad practice cases, with an aim to gain new knowledge, ideas and plan new projects. Two most frequently discussed challenges were the promotion of alternative means of mobility and the integration of citizens into city development. Round table participants agreed cities need to address these challenges by establishing and promoting new smart solutions, which require reinforced financing, responsiveness of city management, and close connection to related communities on a local and global scale.



"To achieve smart development, we must bring together the community of urban planners with the community of users."

Mr Erion Veliaj, Mayor of the City of Tirana

Mr Sidó Szabolcs, Head of the Directorate Department at the Mayor's Office Budapest, **Mr Ivo Komšić**, Mayor of the City of Sarajevo, **Mr Rodojica Gavrilović**, City of Čačak, and **Mr Radoš Pavlović**, Vice Mayor of the City of Čačak



The City of Pristina significantly improved the lives of citizens by installing an ATM-like concept for automatic document extraction, “E-kiosk”, which covers 85 % of citizens' needs, significantly reduces the waiting time, and was proclaimed the best e-City public service in Kosovo in 2015. Improving the quality of life through smart apps also took place in The City of Tirana, where they created a free city app “Tirana Ime”, which serves as a digital city guide and allows citizens to become city inspectors. The City of Sarajevo stressed a problem of decentralization – their mayor has very little contact with his citizens, which he considers a handicapped position. The city nevertheless lives in unique co-habitation and is developing special smart solutions, including city apps, bike lanes, and instruments for the blind. The City of Zagreb is currently developing its smart strategy that consists of many individual smart projects in the field of city administration, renovation of old buildings, energy efficiency, and much more. Like Tirana, they included citizens' inputs, received also through their smart app “My Zagreb”. The City of Ljubljana is concluding its European Green Capital 2016 presidency with great success. Focusing on improving the housing, urban mobility, and jobs & skills in the local economy, they want to take an active role within larger European region and form new strategic connections. In the City of Budapest, they see mobility as their main challenge. Dealing with too many vehicles every day, they focus on providing excellent public transportation, which means punctual, air conditioned, adapted for the disabled, and supported by digital assistance. The City of Belgrade focused on citizen participation and developed 2 sister applications for citizens who want to report problems in the city and those who want to actively participate in the decision-making process.

Session III:

Industry solutions for Green Cities & Smart Infrastructure



Mr Frane Šesnić, CEO of Razvojna agencija Zagreb, **Ms Ajda Cuderman**, Energy Solutions at Petrol d. d., **Mr Javier Martinez**, VP of Business Development & Sales at Libelium Ltd., and **Mr Simon Novak**, Head of Sales & Marketing at SmartlScity Ltd.

Faced with modern challenges, cities are increasingly following the direction of sustainability and green growth, for which they need specific knowledge and technology, provided by smart industry solutions.

In today's technology era, cities are rapidly moving in the direction of smart development and green solutions are already enhancing the quality of life in cities all over the world. However, smart city is a long-term and multiple-solution project. To achieve sustainable development, cities must develop strategic goals and link them to people and technology, and that's where they need to take advantage of smart industry solutions. VI. Ljubljana Forum presented industry solution providers that address different city challenges, such as safety, mobility, infrastructure, and city data. Speakers agreed it is essential that cities continue their communication even after the forum, they need to continue building smart concepts, connecting with domestic and foreign smart solutions providers, and actively shaping their future.

Mr Jože Torkar, Energy Solutions Director at Petrol d. d., **Ms Ajda Cuderman**, Energy Solutions at Petrol d. d., **Ms Sonja Žižek Fuis**, Head of Protocol at Petrol d. d., and **Mr Tomaž Berločnik**, President of the Management Board at Petrol d. d.



“Technological and Economical Optimization of Water Systems connects goals with people & technology. It provides a precise image of the system operation and status in real time for everybody.”

Ms Ajda Cuderman, Energy Solutions at Petrol d. d.



“Cities should be smart, but the term smart can mean many different things. It is achieving the knowledge and self-sustainability – a global concept with a local touch. If a city wants to grow into a smart city, it first needs to develop the right infrastructure for data collection and repository.”

Mr Javier Martinez, VP of Business Development & Sales at Libelium Ltd.



“BTC City is a small, innovative and sustainable city within the city, which offers a perfect place for testing your Smart City Solutions. For example, in cooperation with SmartIScity we have created a BTC City Living Lab Digital Platform, which is transforming shopping industry and creating new value for local businesses and their customers.”

Mr Julij Božič, Chief Innovation and Digital Officer at BTC d. d.



Mr Frane Šesnić, CEO of Razvojna agencija Zagreb, **Mr Dejan Podgoršek**, Manager for Business Development & ISVs, SEE at IBM Innovation Center, **Mr Gorazd Novak**, Iskratel d. o. o., **Mr Javier Ealo**, Business Development Manager for CEE at Robert Bosch, and **Mr Matjaž Možina**, CEO at 2Mobile Ltd.



"Data is the new currency, if you are able to process it, understand it, and make value out of it. Cognitive computing is here to help us – to monitor our sensors and translate data into information, so we can understand and use it."

Mr Dejan Podgoršek, Manager for Business Development & ISVs, SEE at IBM Innovation Center

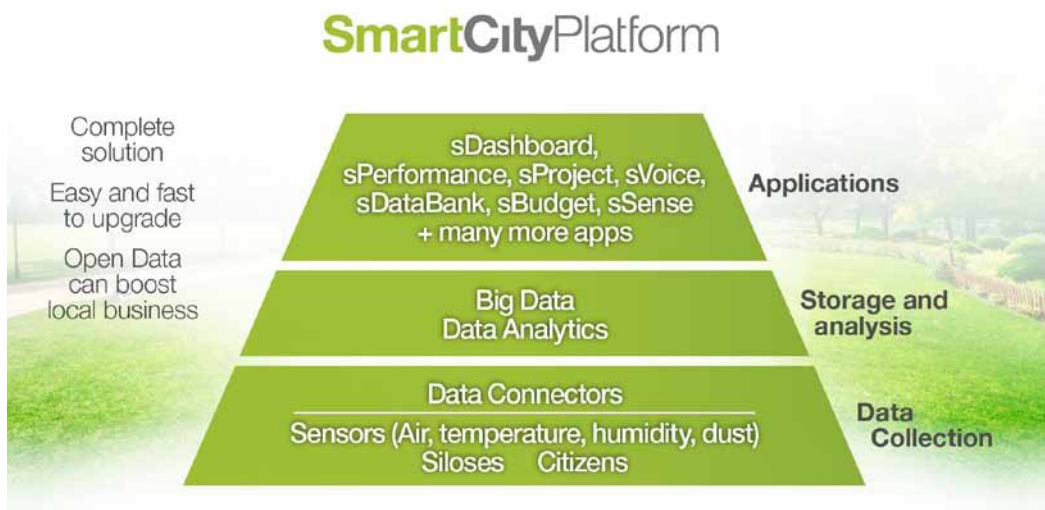


"SmartCityPlatform represents the foundation of every smart city and every smart infrastructure. By gathering all data in one place, our platform offers key information and helps citizens, companies, and city leaders use them and improve quality of life in the city."

Mr Simon Novak, Head of Sales & Marketing at SmartlScity Ltd.



Source: Smart Infrastructure starts with Smart City Platform. Mr Simon Novak, Head of Sales & Marketing at SmartlScity Ltd. Presentation at Ljubljana Forum 2016, October 6th and 7th, Ljubljana, Slovenia.



Mr Bojan Sever, Mayor of the City of Idrija, and Mr Simon Novak, Head of Sales & Marketing at SmartlScity Ltd.



"At Bosch, our view of the future mobility moves around three key concepts: electrification, automated driving, and connectivity. However, no single company will be able to create a self-sufficient mobility landscape: we believe in open platforms, open standards, open source, and strategic alliances."

Mr Javier Ealo, Business Development manager for CEE at Robert Bosch

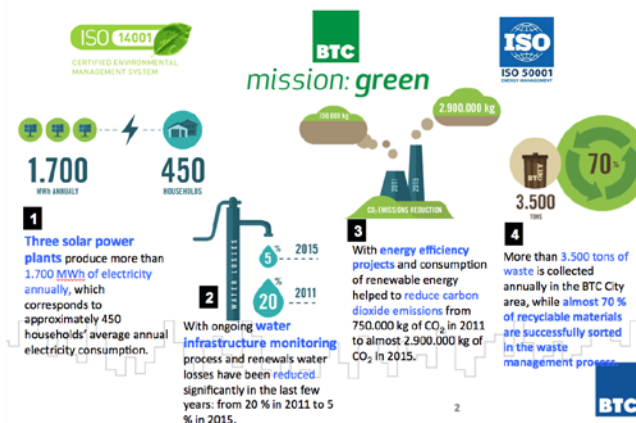


"We are first in Slovenia to offer mobile payment parking solutions, which are highly efficient and allow users to save time and money, while helping cities to increase their revenues."

Mr Matjaž Možina, CEO at 2Mobile Ltd.



2012 Mission: Green – a dedicated business unit for sustainable development of BTC company with remarkable results:



Source: BTC - Smart City Living Lab. Mr Julij Božič, Chief Innovation and Digital Officer at BTC d. d. Presentation at Ljubljana Forum 2016, October 6th and 7th, Ljubljana, Slovenia.



Ljubljana Forum Reception & Award Ceremony



Ms Jonida Cerekja, City of Tirana, **Mr Miran Gajšek**, Head of Department for Urban Planning at City of Ljubljana, **Mr Blaž Golob**, Chairman of Ljubljana Forum, President FEN, and **Mr Zoran Janković**, Mayor of the City of Ljubljana

Ljubljana Forum Future of Cities Award is granted annually to the most outstanding smart city development project. This year the three finalists, selected by Ljubljana Forum Selection Committee, were the City of Budapest for their “Public Transport Development” project, City of Pristina for their “E-Kiosk” project, and City of Tirana for the project “Tirana Ime”.

We are proud to announce that Ljubljana Forum Future of Cities Award 2016 was granted to the City of Tirana’s **“Tirana Ime”** Smart Application.



Ljubljana Forum
award by Oskar
Kogoj



It is time to win awards
and it is time to share
knowledge and to give
awards.

Mr Zoran Janković, Mayor
of the winning city of
the 2016 European Green
Capital competition





Mr Erion Veliaj, Mayor of the City of Tirana, the winning city of Ljubljana Forum Award Competition 2016



Mr Gregor Macedoni, Mayor of the City of Novo mesto, **Mr Ivo Komšić**, Mayor of the City of Sarajevo, **Mr Radoš Pavlović**, Vice Mayor of the City of Čačak, and **Mr Zoran Janković**, Mayor of the City of Ljubljana



“Tirana Ime” App offers an instant access from the mobile phone to all real-time information related to road traffic, urban transport, tourism and many more things of interest. It serves to all groups of citizens in Tirana as a digital guide of the capital with the purpose of facilitating and improving the citizens’ lives. At a time when the capital city is rapidly and dynamically changing, Tirana Ime enables every citizen to become a part of the improvement of Tirana, by reporting real-time problems or concerns. “Tirana Ime” embodies the vision of a modern city, which combines smart technologies, efficient & sustainable solutions, and an inclusive approach towards its citizens. With its easy access, resourceful information, and real-time interactions with its citizens, “Tirana Ime” provides an exemplary model in terms of what future public services in Europe should look like.



Mr Jerome C. Glenn, Director of the Millennium Project, **Mr Tadej Stepišnik Perdih**, Mechanical Engineer, **Ms Alexija Spyridonidou**, Spatial Planner, **Mr Jose Jacob**, Founder & CEO at Integro Infotech & Consulting, and **Mr Blaž Golob**, Chairman of Ljubljana Forum, President FEN



Session IV.

Knowledge, Business models and Financial instruments for Green Cities & Smart Infrastructure



Mr Miran Gajšek, Head of Department for Urban Planning at City of Ljubljana, **Mr Enric Bas**, University of Alicante, EU SFRI Advisory Group, **Mr Jean-Michel Errera**, Co-founder of MIPISE, **Ms Polona Mežan**, Chamber of Commerce and Industry of Slovenia, **Mr Miroslav Polzer**, consultant IAAI GloCha Klagenfurt am Wörthersee, and **Mr Jose Jacob**, Founder & CEO at Integro Infotech & Consulting

With the intense urbanization the importance and role of cities are rapidly increasing. Speakers of the IV. Session agreed, cities are worth talking about, investing in, and focusing on – from the integration of citizens, to seeking alternative sources of finance, the development of urban centers, and introducing smart solutions.

Cities of today are increasingly faced with the crisis of democracy, which is reflected in the disconnection and distrust between the people and public institutions. In the desire for greater integration, cities and their institutions need to focus on people's expectations and find new ways for citizens' participation. Crowdsourcing and crowdfunding are two of the instruments cities can use to involve citizens in the decision-making, giving citizens a sense of involvement and providing cities with alternative finance and innovative ideas for future projects. Realizing the importance of involving and attracting people, cities are more and more often developing special activities and projects for the revitalization of city centers, which are of great importance for urban development on a global scale. Only that way, by implementing smart solutions and projects, can cities get future ready – a fact, already realized by the Indian government that will help 100 of its cities become smart in 5 years' time.



Mr Visar Dobroski, Recura j.s.c.

"We need new tools for understanding reality and expectations of citizens."

Mr Enric Bas, University of Alicante, EU SFRI Advisory Group



"As people are calling for more democracy, crowdfunding and crowdsourcing can reinvent the relationship between cities and citizens on the basis of participation and transparency."

Mr Jean-Michel Errera, Co-founder of MIPISE



"Town centre management is an opportunity for cities to re-invent themselves and to develop in a participatory and partnership based manner a vision of a desirable future."

Mr Miroslav Polzer, consultant IAAI GloCha Klagenfurt am Wörthersee



"Town centre management is a long-term planning instrument for sustainable development."

Ms Polona Mežan, Chamber of Commerce and Industry of Slovenia



"Smart city is not a "one-size-fits-all" concept: each city needs to formulate its own vision, mission, and plan for a Smart City that is appropriate to its local context, resources, and levels of ambition."

Mr Jose Jacob, Founder & CEO at Integro Infotech & Consulting



Session V:

Presentation of 7 projects



Mrs Daniela Bervar Kotolenko, CEO at Business Intelligence Center, **Mr Dalibor Radovan**, Head of Development sector at Geodetic Institute of Slovenia, **Mr Marko Bajec**, prof. dr. at the Faculty of Computer & Information Science, University of Ljubljana, **Mr Wolfdietrich Fabritz**, Medgroup Consulting, **Mr Luka Jesenšek**, Game changers, winners of Young Bled Strategic Forum business challenge, **Mr Tihomir Divjak**, Independent SatCom Consultant, **Mr Blaž Peternel**, Head of R&D at SmartIS Ltd., and **Ms Anna Sacio - Szymanska**, Director's Plenipotentiary for EU-funded R&D Programs at ITeE – PIB, Vice President FEN

Presentation of 7 exceptional Smart City projects offered an overview of the latest trends and developments in the fields of green cities, foresight, and smart infrastructure.

Ms Anna Sacio-Szymanska presented the importance of foresight as building different scenarios that allow us to better and faster prepare for non-predictable events. Mr Wolfdietrich Fabritz stressed the need for smart health care, where doctors work as mentors for their community to stay healthy. The idea of replicable smart city solutions for districts with the focus on utilities was presented by Mr Blaž Peternel. Mr Luka Jesenšek introduced a business case of Sustainable intersection in Ljubljana, with emphasis on smart technology as an enabler of behavioral change. Mr Tihomir Divjak highlighted the need for a smart and sustainable development of Sava River Basin. As cities need to successfully manage their real-estate, special geo-indicators system was presented by Mr Dalibor Radovan. Session was concluded by presentation of EkoSMART, Ecosystem of a Smart City, connecting customers, providers, and developers, by Mr Marko Bajec.

THE EU ERASMUS + PROJECT: Becoming future-oriented entrepreneurs in universities and companies - why & how?

"We have to nurture future businessmen who make decisions based on wider knowledge about the future."

Ms Anna Sacio - Szymanska, Director's Plenipotentiary for EU-funded R&D Programs at ITeE – PIB, Vice President FEN



PROJECT: Smart Health Care

"Smart health care means refocusing from disease management to disease prevention."

Mr Wolfdietrich Fabritz, Medgroup Consulting



PROJECT: Connected District

"RepliCity: Connected District is a replicable Smart City solution with main focus on integrated innovative solutions at district scale and innovative business models that enable deployment at large scale."

Mr Blaž Peternel, Head of R&D at SmartIS Ltd.



PROJECT: World 2.0

"With ideas such as Sustainable intersection we want to throw away old habits and promote new, sustainable, and environmentally and socially conscious mindset."

Mr Luka Jesenšek, Game changers, winners of Young Bled Strategic Forum business challenge



PROJECT: Connecting Sava River

"To secure our future, we need to approach modern challenges together as a community, free of national, social, institutional, or any other borders."

Mr Tihomir Divjak, Independent SatCom Consultant



PROJECT: Smart City Geo-Indicators for Real Estate

"In order to successfully manage its real-estate, the city needs to use special geo-indicators, which enable measuring, calculating, and visualizing city's real estate commodities."

Mr Dalibor Radovan, Head of Development sector at Geodetic Institute of Slovenia



PROJECT: EkoSMART, Smart City Ecosystem

"Business ecosystems are set to become the foundation of successful business models and an important element of most organizations' business strategies."

Mr Marko Bajec, prof. dr. at the Faculty of Computer & Information Science, University of Ljubljana



Session VI:

Round table on entrepreneurship for green cities



Mr Blaž Golob, Chairman of Ljubljana Forum, President FEN, **Ms Nina Pižorn**, Marketing Specialist at SmartlScity Ltd., **Mr Luka Jesenšek**, Game changers, winners of Young Bled Strategic Forum business challenge, **Mr Alex Mateo**, Industry Manager for Smart Cities at Libelium Ltd., **Ms Ladeja Košir**, Leader & Executive Director at Circular Change, and **Mr Jose Jacob**, Founder & CEO at Integro Infotech & Consulting

Participants of the round table highlighted that smart cities need to support and develop opportunities for vibrant entrepreneurship and presented some of the best examples from practice.

The participants of the round table presented their views on the role of entrepreneurship for the future of our cities. Speakers agreed successful local economy is one of the key elements of a prosperous smart city. Cities should therefore support local entrepreneurs by providing the appropriate support network, opening their data, inviting investors, promoting collaboration, and welcoming change on all levels.



"To succeed, businesses need good support structure in the fields that are not their primary expertise. And cities should work towards providing that, since they are responsible for supporting local entrepreneurship."

Mr Luka Jesenšek, Game changers, winners of Young Bled Strategic Forum business challenge

Mr Miroslav Polzer, consultant IAAI GloCha Klagenfurt am Wörthersee, **Ms Alexija Spyridonidou**, Spatial Planner, **Mr Jerome C. Glenn**, Director of the Millennium Project, **Mr Blaž Golob**, Chairman of Ljubljana Forum, President FEN, and **Ms Ladeja Košir**, Leader & Executive Director at Circular Change



"As we strive towards circular economy, it is of great importance, how we use human resources – we need to enable and promote collaboration and make sure no one is excluded."

Ms Ladeja Košir, Leader & Executive Director at Circular Change



"We need to be ready for the future and put our focus into the cities, as they are the key pillars of tomorrow."

Mr Jose Jacob, Founder & CEO at Integro Infotech & Consulting



"If cities open their data for everyone and cooperate with entrepreneurs, they can develop better smart solutions and become key players in global economy."

Mr Alex Mateo, Industry Manager for Smart Cities at Libelium Ltd.



"Business accelerators are key stimulators of local economy, since they provide start-ups and big companies with opportunities to gain knowledge, polish ideas, and connect with the right people to strengthen their businesses."

Ms Nina Pižorn, Marketing Specialist at SmartIScity Ltd.



Conclusions of Ljubljana Forum 2016



Mr Miran Gajšek, Head of Department for Urban Planning at City of Ljubljana and Co-chairman of Ljubljana Forum, and **Mr Blaž Golob**, Chairman of Ljubljana Forum, President FEN

City leaders, speakers, and participants of the VI. Ljubljana Forum gathered at Ljubljana Castle to discuss green cities and smart infrastructure as two of the cornerstones of cities of the future.

- I. Smart city** is a long term and multiple solution project. In today's technology age cities are faced with many challenges, but if they are able to seize the opportunities, inherent in them, they will only benefit.
- II. City leaders**, speakers, and participants of VI. Ljubljana Forum agreed that in order to move forward, cities need to accept the vision of green growth and develop adequate strategies for further development.
- III. The core of getting** future ready lies in the collaboration towards a common vision.
- IV. Forming various partnerships**, cities should link their strategic goals to the people, policies, and all relevant stakeholders.
- V. Based on citizens' participation**, cities need to work towards providing the best quality services for their residents and develop new modes of governance.



Mr Javier Martinez, VP of Business Development & Sales at Libelium Ltd., **Mr Alex Mateo**, Industry Manager for Smart Cities at Libelium Ltd., **Ms Marija Mardonović**, Event Organizer, and **Mr Visar Dobrosi**, Recura j.s.c.

To realize their potential, cities should see smart technology as an enabler, link it to their strategies, and develop a dialogue with industry providers. Future trends will strongly impact our cities and their infrastructure, but taking advantage of available smart technologies can help us shift the change towards accessibility and inclusivity. Cities need to stay open to innovation and anticipate the future with a new mindset that allows them to be prepared for the unanticipated events – the foresight.

If cities want to develop into green, smart, and sustainable cities of tomorrow, they need to connect and share their knowledge and data in the open dialogue with their citizens, local communities, the government, industry providers, and all other interested stakeholders. Only then can we develop the green cities of tomorrow that will flourish in cooperation with their citizens, supported by smart and sustainable infrastructure.



About the People

City Leaders

Mr Milutin FOLIĆ, Director of Urban Planning of the City of Belgrade, Serbia
 Mr Miran GAJŠEK, Head of Department for Urban Planning at City of Ljubljana, Slovenia
 Mr Ivo KOMŠIĆ, Mayor of the City of Sarajevo, Bosnia and Herzegovina
 Mr Muhedin NUSHI, Director of Administration Directorate at the Municipality of Pristina, Kosovo
 Mr Sidó SZABOLCS, Head of the Directorate Department at the Mayor's Office Budapest, Hungary
 Ms Branka TABAK PARAŠIĆ, Head of the Department for systematic monitoring of implementation of urban projects at City of Zagreb, Croatia
 Mr Erion VELIAJ, Mayor of the City of Tirana, Albania

Speakers & Moderators

Mr Marko BAJEC, prof. dr. at the Faculty of Computer & Information Science, University of Ljubljana
 Mr Enric BAS, University of Alicante, EU SFRI Advisory Group
 Mr Nicolaas BEETS, Dutch Urban Envoy
 Mr Tomaž BERLOČNIK, President of the Management Board at Petrol, d. d.
 Mrs Daniela BERVAR KOTOLENKO, CEO at Business Intelligence Center
 Ms Tanja BOGATAJ, State Secretary at the Ministry of Public Administration
 Mr Julij BOŽIČ, Chief Innovation and Digital Officer at BTC d. d.
 Mr Jerome C. GLENN, Director of the Millennium Project
 Mr Miro CERAR, Prime Minister of the Republic of Slovenia, video message

Ms Ajda CUDERMAN, Energy Solutions at Petrol d. d.
 Ms Cornelia DAHEIM, CEO of Future Impacts, FEN Vice President
 Mr Tihomir DIVJAK, Independent SatCom Consultant
 Mr Javier EALO, Business Development Manager for CEE at Robert Bosch
 Mr Jean-Michel ERRERA, Co-founder of MIPISE
 Mr Wolfdietrich FABRITZ, Medgroup Consulting
 Mr Miran GAJŠEK, Head of Department for Urban Planning at City of Ljubljana
 Mr Blaž GOLOB, Chairman of Ljubljana Forum/FEN President
 Mr Jose JACOB, Founder & CEO at Integro Infotech & Consulting
 Mr Zoran JANKOVIĆ, Mayor of the City of Ljubljana
 Mr Luka JESENŠEK, Game changers, winners of Young Bled Strategic Forum business challenge
 Ms Ladeja KOŠIR, Leader & Executive Director at Circular Change
 Mr Javier MARTINEZ, VP of Business Development & Sales at Libelium Ltd.
 Mr Alex MATEO, Industry Manager for Smart Cities at Libelium Ltd.
 Ms Polona MEŽAN, Chamber of Commerce and Industry of Slovenia
 Mr Matjaž MOŽINA, CEO at 2Mobile Ltd.
 Mr Gorazd NOVAK, Iskratel d. o. o.
 Mr Simon NOVAK, Head of Sales & Marketing at SmartIScity Ltd.
 Mr Blaž PETERNEL, Head of R&D at SmartIS Ltd.
 Ms Nina PIŽORN, Marketing Specialist at SmartIScity Ltd.
 Mr Dejan PODGORŠEK, Manager for Business Development & ISVs, SEE at IBM Innovation Center
 Mr Miroslav POLZER, consultant IAAI GloCha Klagenfurt am Wörthersee
 Mr Dalibor RADOVAN, Head of Development sector at Geodetic Institute of Slovenia

Ms Anna SACIO - SZYMANSKA, Director's Plenipotentiary for EU-funded R&D Programs at ITeE – PIB
 Mr Joris SCHEERS, President of the European Council of Town Planners (ECTP CEU)
 Mr Tadej SLAPNIK, State Secretary at the Office of the Prime Minister of Slovenia
 Mr Frane ŠESNIČ, CEO of Razvojna agencija Zagreb
 Ms Alenka ŽUMBAR, CEO and Editor in Chief at Energetika.net

Participants

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 Mr Pedro Emilio Ardila, FKP - Norway
 Ms Janet Askew
 Ms Maja Badovinac, British Embassy Ljubljana
 Mr Nick Balcom Raleigh, University of Turku - Finland
 Ms Željana Barišić, Raza
 Mr Peter Bassin
 Mr Janez Bešter, Faculty of Electrical Engineering
 Mr Mladen Bijeljac, MM Ibis Ltd.
 Mr Richard Blyth, ECTP UK
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 Ms Nataša Bogme Kirn, KingS Ltd.
 Ms Tanja Bolte, The Ministry of Environment and Spatial Planning
 Ms Barbra Borota, Ministry of Foreign Affairs
 Ms Ana Bossler, ECTP Spain
 Mr Luc-Emile Bouche-Florin, ECTP France
 Mr Renato Caronna, Cobaty International - ECTP
 Ms Jonida Cerekja, City of Tirana
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 Mr Visar Dobroschi, Recura j.s.c.
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 Ms Marina Markežič, Conda
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 Mr Janez Ziherl, MOK
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 Mr Miha Sever, GFS Institute
 Mr Jakob Predin, GFS Institute
 Ms Mia Golob, GFS Institute
 Mr Peter Irman, Photographer
 Ms Marija Mardonović, The Events
 Ms Andrea Plavljanič, Designer
 Ms Nataša Tanasič, Hostess
 Ms Nina Zalar, Hostess
 Mr Rok Beigot, Rokos

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S

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Optimisation of Key Development Projects Management

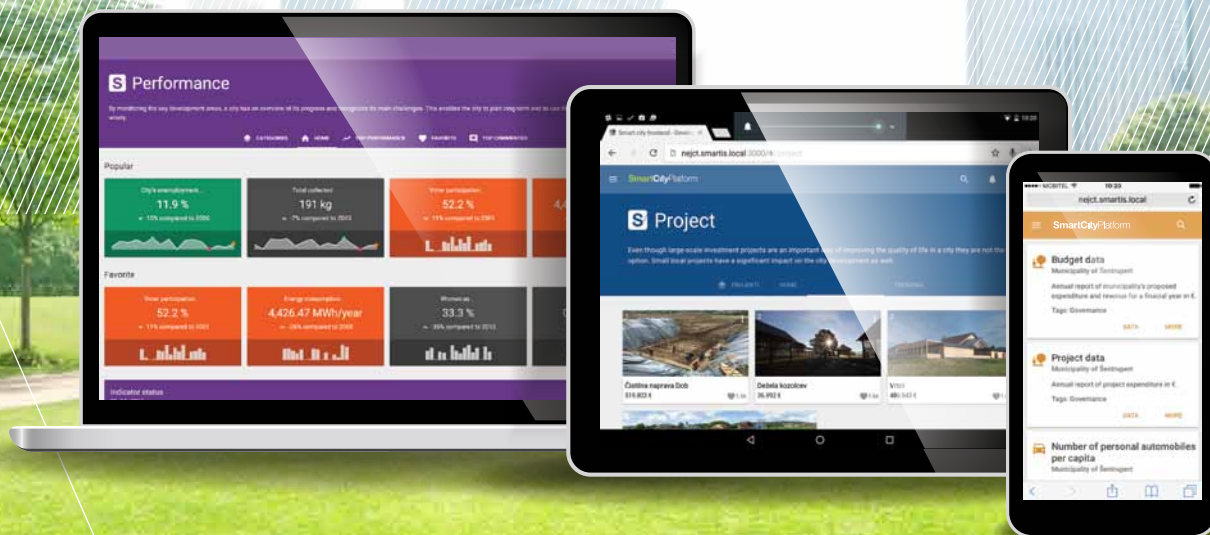
S Voice
Communication between the Administration and People

S Sense
Overview of the City's Pulse

S Data Bank
Integration of Data and their Innovative Use

SmartCity Packages:

SmartCity Governance, **SmartCity** Tourism, **SmartCity** Environment



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SmartIScity Ltd.

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-  **EUSAIR EU Strategy for the Adriatic and Ionian Region**  www.adriatic-ionian.eu 
-  **EUSDR EU Strategy for Danube Region** (blue river line)  www.danube-region.eu 
-  **International Sava River Basin**  www.savacommission.org 
-  **SEE Political Process, Area of Operation**
-  **CEE, Area of Operation**

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
www.goforesight.eu

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V MESTNIH JEDRIH

