

REAL CORP 2023

CONFERENCE PROGRAMME

28th International Conference on Urban Planning and Regional Development in the Information Society
GeoMultimedia 2023



NATURE-BASED SOLUTIONS FOR SUSTAINABLE RESILIENT SMART GREEN AND BLUE CITIES

CORP
Kompetenzzentrum für
Stadtplanung und Regionalentwicklung
Competence Center of
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Knowledge for Better Cities

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Univerza v Ljubljani
Fakulteta *za arhitekturo*



18-20 SEPTEMBER 2023
UNIVERSITY OF LJUBLJANA, FACULTY OF ARCHITECTURE
ZOISOVA CESTA 12, LJUBLJANA, SLOVENIA

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WELCOME



Manfred Schrenk, Vienna, Austria;
Conference Director, Chairman CORP

WELCOME to REAL CORP 2023, the 28th International Conference on Urban Planning, Regional Development, Information Society and Urban, Transport, and Environmental Technologies at Airport City Space in Vienna!

A constantly growing world (around 8 billion people now, 9.7 billion to be expected by 2050) with constantly expanding cities and urban agglomerations is facing various challenges such as scarcity of resources, infrastructure provision security, risk of disasters, global warming or ageing of the population. These topics have to be seen as global challenges which are unevenly distributed across the world regarding the dynamics of those phenomena and their geographic location. Are Nature-Based Solutions the key to liveable, sustainable, resilient cities even under the threats of climate change? Is it just about greening the cities and their green and blue infrastructures? What is the context of their technological developments and social innovation?

Nature-Based Solutions (NBS) are definitely being understood well beyond greenery or only biotic nature. There are strong relations with topics such as liveability, social cohesion and human activities, and urban planning, architecture and design as key disciplines. Thus, beside green and blue (water) infrastructure as currently the most often addressed manifestation of NBS in cities, REAL CORP 2023 suggests to reflect also on the physical processes and materials (abiotic nature) as inevitable parts of nature. These can be seen in connection with parameters of urban planning, such as morphology, land use, availability of space for (land) use occupancy etc. These physical world processes are also part of nature, especially as the properties of locations and sites that may well dictate their further development as well as the selection of suitable NBS for implementation at these specific locations.

NBS that directly use natural processes (e. g. natural terrain with high vegetation, which in urban areas is most often associated with a park), especially in dense urban patterns, are generally more difficult to implement due to spatial as well as economic constraints. NBS that may be more appropriate in such situations may come from a set of ideas and proposals that “mimic” nature. Here, it is important to note that nature is made up of both biotic and abiotic components. For example, in terms of reducing the occurrence of heat islands in cities, solutions can be found in the selection of suitable building materials and their appropriate treatment, appropriate physical characteristics of the components of abiotic nature, optimum orientation of buildings and their compositions on the sites, as this can influence the natural ventilation of the rooms (micro scale) or area (macro scale).

Other open questions include ways in which NBS can be addressed in various spatial planning documents and processes and how can the capabilities of NBS be used in effective policy making and implementation.

This year we brought together some 200 participants from more than 30 countries worldwide. The main goal of the REAL CORP conference series is to bring together leading experts in the field of spatial planning, geoinformation and related disciplines to exchange their knowledge, share their ideas, discuss current developments and get together for face to face networking leading to the development of new thoughts, partnerships and projects.

The success of the REAL CORP conferences is – clearly without doubt – the result of the efforts of participants, reviewers, and the conference organising team. We would like to acknowledge the Reviewer Team and Programme Committee members for their valuable voluntary help with the review process. Our thanks go to all participants and authors of the submitted papers as well. The proceedings of this year’s conference contain around 110 scientific papers; 92 of them were selected after a double-blind, double-stage (for both abstracts and full papers) peer-review process for publication and presentation at REAL CORP 2023. The non-reviewed papers were accepted by the programme committee after a double-blind abstract review.

Welcome to Ljubljana! Have a great conference!
Manfred Schrenk, Clemens Beyer and the REAL CORP Team



Matej Blenkuš, Ljubljana, Slovenia;
*University of Ljubljana,
Dean of Faculty of Architecture*

Welcome to REAL CORP 2023!

The Faculty of Architecture is the largest higher education institution for educating architects and urban planners in Slovenia. It employs educators and associate professionals who, with their creative work, ensure outstanding national and international achievements in architectural arts and sciences. Through its hands-on educational approach involving active creators from practice, economic, and cultural knowledge is directly and instantly transferred to the study environment. The students are permanently in touch with practical experience, economy, and local communities. On the other hand, in close cooperation with the umbrella institution, the Museum of Architecture and Design, the faculty preserves the architectural tradition and the development of contemporary spatial theories. The cooperation takes place on several levels, i.e. promotion of high-quality and relevant MSc theses, preparation of exhibitions, collaboration in implementing fundamental theoretical and monument protection work in contemporary architecture.

CONFERENCE MAIN TOPICS



MAIN CONFERENCE TOPICS

- Urban Design and Planning Driven by Nature-Based Solutions (NBS)
- Urban Morphology and Landscape
- Adoptive Architecture and Multifunctional Spaces
- Urban Regeneration
- Systems of Green and Blue Infrastructure
- Sustainable Resources and Infrastructure Management
- Urban Agriculture
- The Human Scale and Quality of Life (also in the Context of an Ageing Society)
- Public Health and Well-Being
- Climate Change Mitigation and Adaptation, Air Quality Improvement
- Urban Heat Islands and Urban Microclimate
- Urban Policy
- Socially Sustainable and Responsible Mobility
- Lessons Learnt from Covid-19 – Post-Pandemic Perspectives
- Co-Creation and Community Engagement (especially Engaging Underrepresented and Marginalized Communities)
- Data and Information Infrastructure – an Indispensable Prerequisite for Managing Cities and Regions

KEYNOTE SPEAKERS



Alenka Fikfak, Ljubljana, Slovenia; *University of Ljubljana, Faculty of Architecture, Chair of Urbanism*

Alenka Fikfak holds a PhD in Architecture and Urban Planning and is Professor in urban design. She is head of the Chair of Urbanism and coordinator of Urban studies at the Faculty of Architecture, University of Ljubljana; and also member of main faculty board, member of the university committee for international cooperation, member of faculty committee for quality and committee for self-evaluation. Her research experience: spatial and urban planning, urban design, planning of small settlements, rurism and rural architecture, urban regulations, morphological models, settlement culture, models for revitalisation. She is experienced in organizing students' exhibitions and workshops in collaboration with local municipalities (international and local), active researcher in national and international research projects, and editor-in-chief of the creativity game journal IU_CG.



Igor Bizjak, Ljubljana, Slovenia; *Director of the Urban Planning Institute of the Republic of Slovenia (UIRS)*

Igor Bizjak graduated in 1987 from the Faculty of Architecture of the University of Ljubljana. After graduation, he worked for as an independent developer of information systems. In the eighties and nineties, he developed tools for computer-aided design and endeavour to facilitate the effective implementation of geographic information systems in spatial planning. Since 2001 he has worked at UIRS, since 2016 he is director of the Institute. In the spring of 2014, he successfully completed post-graduate studies in ITC-Euromaster with a PhD. His scope of work includes the production of geographic information systems, programme-specific add-ons for GIS presentations and analyses, manufacture and analysis of databases, spatial analysis, spatial data processing and creation of Web platforms within research and marketing tasks in the field urban planning. In the last few years, he has devoted research for public participation in the spatial planning procedures.



Barbara Goličnik Marušić, Ljubljana, Slovenia; *Urban Planning Institute of the Republic of Slovenia*

Barbara Goličnik Marušić holds a PhD in Landscape Architecture from the ECA, Heriot-Watt University, Edinburgh (now ESALA, University of Edinburgh). She is the head of research at the Urban Planning Institute of the Republic of Slovenia, involved in multidisciplinary projects concerned with sustainable development and quality of living and is engaged with innovative urban planning approaches development. Recently she is examining NBS and co-creation and evaluating their actual implementation into urban planning; including dynamic, qualitative bottom-up components such as usage-spatial relations, where she involves behavioural mapping as analytical and evaluation approach. She is a member of various international networks and associations. Beside research work she is involved in education process, mostly as a visiting lecturer and PhD examiner at different universities and institutions in Slovenia and abroad.



Rajendra Kumar, Phagwara, Punjab, India; *Lovely Professional University, Director of School of Architecture and Design*

Rajendra Kumar is architect, curator, author based in New Delhi, India and Director of School of Architecture and Design, LPU. He is awarded as "Most Admired Education Influencers in India 2022" and "Global Educational Influencer 2020", Indian Young Achievers Award 2009. He graduated from Chandigarh College of Architecture, India and Post-graduation from Politecnico Di Milano, Italy. He is member of International Society of City and Regional Planners (ISOCARP), and Council of Tall Buildings and Urban Habitat, USA. He received fellowship by Congress for New Urbanism, USA. He is actively involved in academia and research, advisory member of various think tanks of national and international importance, invited member for various projects with global leaders including Prime Ministers, Governors, Ambassadors, Mayors, Policy makers, United Nations, WHO, UN Habitat etc.

KEYNOTE SPEAKERS



Markus Appenzeller, Rotterdam, The Netherlands; Managing Director of MLA+

From the onset of his career, Markus has been working on the edge of architecture, landscape and planning. Working for the Office of Metropolitan Architecture and KCAP Architects & Planners, he was leading large scale urban planning as well as architectural projects in Europe, America, Africa and Asia. 2012 he co-founded MLA+ as a multidisciplinary architecture, planning and consultancy practice, currently employing around 120 people in offices in Rotterdam, Berlin and Shenzhen. Besides his professional activities, Markus is active as an educator. After teaching at the Berlage Institute in Rotterdam, the Urban Transformation School in St. Petersburg and the Moscow School of Architecture, in 2017, he has been appointed as head of urbanism at the Amsterdam Academy of Architecture. Markus has published numerous texts on urban planning and design topics and on current spatial debates on his blog The Daily Urban Dose.



Lučka Kajfež Bogataj, Ljubljana, Slovenia; University of Ljubljana, Biotechnical Faculty

Lučka Kajfež Bogataj is an accomplished climatologist with 40+ years of experience as a full professor at the University of Ljubljana. She was also a member of the IPCC bureau and report editor and served on the boards of GWP, UNESCO Group for Climate Change Ethics and GCOS at WMO. She has received numerous awards, including the Women Inspiring Europe award in 2012 and the Nobel Peace Prize (IPCC-shared) in 2007.



Martin Berchtold, Kaiserslautern, Germany; Professor for digitalization, visualization and monitoring at RPTU Kaiserslautern-Landau

Martin Berchtold is a spatial and urban planner and professor for digitalization, visualization and monitoring at RPTU Kaiserslautern-Landau. After studying spatial planning, he worked for several years on the masterplan for the river Emscher in the Ruhr region before heading to KIT Karlsruhe as a research assistant, where he established GIS education at the Faculty of Architecture. In 2010, together with Philipp Krass, he founded berchtoldkrass space&options, a studio that develops concepts and strategies for neighbourhoods, cities and regions based on the hybrid combination of GIS-based analysis and creative design. In 2017, he was appointed as professor at RPTU where he works on current topics of digitalization and visualization combining digital and hand-based analog approaches to spatial design under the guiding principle "Sich ein Bild machen".



Judith Ryser, London, UK; Architect, CityScope Europe, www.urbanthinker.com

Qualified as an architect and urbanist with an MSc in social sciences, Judith Ryser's research activities in Paris, Stockholm, Geneva (United Nations), Brussels (EU), Madrid (Fundacion Metropoli) and London in public sector posts, private practice and at universities (UCL, AA) focused on cities and development strategies. She carries out research and consultancies, advises international agencies, is teaching and guest lecturing, engages with community groups, writes articles and edits publications at home and abroad. She is a member of the International Advisory Council of the Fundacion Metropoli, Madrid. Past vice-president and life member of Isocarp (International Society of City and Regional Planners), she carried out many executive functions. She is a long standing collaborator of CORP, member of the Urban Design Group and its editorial board and a member of the Chartered Institute of Journalists.

KEYNOTE SPEAKERS



Blaž Barborič, Ljubljana, Slovenia; *Geodetic Institute of Slovenia*

Blaž Barborič holds a BSc. degree in geography from University of Ljubljana. In 2003 he was a fellow at University of Trieste and finished Master of Cartography and Geographical Information Systems (GIS). His primary interests lie in geographical information systems (GIS) and management of projects at national and transnational level. He is project manager of several national and international projects and actively participates in scientific meetings and conferences. Among others he was project manager of Attractive Danube transnational project where Geodetic Institute of Slovenia took the role of the lead partner. He is lecturer of Geographical Information Systems and Cartography at Faculty of Environmental Protection in Velenje.



Eva Vaništa Lazarević, Belgrade, Serbia; *Professor of Urbanism at University of Belgrade*

Eva Vaništa Lazarević is Professor of Urbanism at Faculty of Architecture, University of Belgrade with 30 years of experience in teaching Urbanism and as a practitioner architect. Her areas of expertise include: Urban Design & Regeneration. Her design office "Atelier EVL" provides design solutions for variety of projects. Founder of the International Scientific Conference: "Places & Technologies" (www.placesandtechnologies.eu). She is author of over 50 scientific papers concerning urban design and two awarded books, annual editor of Scientific Monographs by Cambridge Public Scholarship, and Elsevier's Energy & Buildings. Active as visiting professor and mentor (Gdansk Poland, Abu Dhabi, Torino) as well as a special consultant for real estate development company Afi Europe. President of Female Association of Architects, member of Scientific Society of Serbia, National Committee of UNESCO and Europa Nostra, member of Scientific Committee of ISOCARP.



Urška Starc-Peceny, Ljubljana, Slovenia; *Arctur, Chief Innovation Officer and Lead of Tourism 4.0 Department*

Urška Starc-Peceny, PhD, is an accomplished innovation specialist with expertise in business communication and new technologies. She received her international education in Slovenia, Italy, and Austria. In 2001, her thesis entitled "Netlife" paved the way in research of collaboration design in an AI and big data-driven reality. With over 20 years of experience as an entrepreneur across Europe and the Middle East, Urška currently serves as Chief Innovation Officer at Arctur Ltd., where she leads the Tourism 4.0 department. In this role, she is dedicated to spreading industry 4.0 technologies into the tourism sector to create a better future for all. She is proud to be part of several flagship projects co-creating the European Transition Pathway, including data spaces for tourism and cultural heritage, and Smart Tourism Destinations. She is deeply passionate about digital innovation of heritage. Living between Slovenia and Vienna, Austria, she leads the NASA Space Apps Challenge and serves as a university lecturer on smart-related topics.



Hans Rüdiger Kaufmann, Mannheim, Germany; *University of Applied Management Studies*

Hans Rüdiger Kaufmann, a Full Professor Marketing at the University of Nicosia, is Vice President of the EuroMed Research Business Institute and an Ex- President of Circle. Rudi was a board member of AMA Global Marketing SIG. He is an editorial board member and publisher in many journals and author or editor of 15 books and 6 electronic books. He co-developed a PhD/DBA programme and has 19 completions as a supervisor. In addition, he is an Associate Journal Editor and a Visiting Professor to three international universities. He successfully participated in a variety of research projects and participates as invited speaker.

18-20 September 2023

CONFERENCE TIMELINE

Sunday, 17 September 2023

Informal Ice-Breaking Reception in Ljubljana (meeting point t. b. a., registration on MY.CORP necessary)	from 18:00
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Monday, 18 September 2023

Auditorium 1				UIRS	
Registration, Morning Coffee					09:00–10:00
Welcome, Opening					10:00–10:45
Keynotes					10:45–12:15
Lunch Break					12:15–13:30
Keynotes					13:30–15:30
Coffee Break and Short Walk to UIRS (400 m)					15:30–16:15
				Keynotes	16:15–18:00
afterwards Guided City Tour, then Snacks, Drinks, Networking					18:00–20:30

Tuesday, 19 September 2023




Auditorium 1	Auditorium 2	Auditorium 3	Auditorium 4	
Presentations (EN)	Presentations (EN)	Presentations (EN)	Presentations (EN)	09:30–11:00
Coffee Break				11:00–11:30
Presentations (EN)	Presentations (DE)	Presentations (EN)	Presentations (EN)	11:30–13:00
Lunch Break				13:00–14:00
Presentations (EN)	Presentations (DE)	Presentations (EN)	Presentations (EN)	14:00–15:45
Coffee Break				15:45–16:15
Presentations (EN)	Presentations (DE)	Presentations (EN)	Presentations (EN)	16:15–17:45
Official REAL CORP 2023 Evening Reception				from 18:00

Wednesday, 20 September 2023

Auditorium 1	Auditorium 2	Auditorium 3	Auditorium 4	
Presentations (EN)	Presentations (DE)	Presentations (EN)	Presentations (EN)	09:30–11:00
Coffee Break				11:00–11:30
Presentations (EN)	Presentations (EN)	Presentations (EN)	Presentations (EN)	11:30–13:00
Lunch Break				13:00–14:00
Presentations (EN)	Presentations (EN)	Presentations (EN)	Presentations (EN)	14:00–15:30
REAL CORP Closing: Final Discussion, Conclusion, Outlook				15:30–16:00

SCHEDULE



Monday, 18 September 2023

Time		Auditorium 1
10:00-10:45		Conference Opening
MONDAY		<p>Welcome to REAL CORP 2023</p> <p>Matej BLENKUŠ University of Ljubljana, Dean of Faculty of Architecture; Ljubljana, Slovenia</p> <p>Alenka FIKFAK University of Ljubljana, Faculty of Architecture; Ljubljana, Slovenia</p> <p>Igor BIZJAK Director of the Urban Planning Institute of the Republic of Slovenia; Ljubljana, Slovenia</p> <p>Barbara GOLIČNIK MARUŠIČ Urban Planning Institute of the Republic of Slovenia; Ljubljana</p> <p><i>Representative of public authority (t. b. a.)</i> Ljubljana, Slovenia</p> <p>Manfred SCHRENK Conference Director</p>
TUESDAY		
WEDNESDAY		
10:45-12:15		Opening Keynotes
		<div>  <p>Dynamic Processes – a Key Principle of Nature-Based Solutions and the Main Challenge of Urban Planning Barbara GOLIČNIK MARUŠIČ Urban Planning Institute of the Republic of Slovenia; Ljubljana</p> </div> <div>  <p>Creative Games in Teaching Sustainability: Learning By Doing Alenka FIKFAK University of Ljubljana, Faculty of Architecture; Ljubljana, Slovenia</p> </div> <div>  <p>Cities – Inclusiveness and Community Planning Rajendra KUMAR Lovely Professional University; Phagwara, Punjab, India</p> </div>
12:15-13:30		Lunch Break

18-20 September 2023






SCHEDULE

Monday, 18 September 2023

Auditorium 1		Time
Keynotes Chair: Manfred SCHRENK		13:30-15:30
	Urban Nature – Beyond Green Markus APPENZELLER Founder and Managing Director MLA+, Head of Urbanism Amsterdam Academy of Architecture; Rotterdam, NL	<div>MONDAY</div> <div>TUESDAY</div> <div>WEDNESDAY</div>
	Designing, Building and Living Within Planetary Boundaries Lučka KAJFEŽ BOGATAJ University of Ljubljana, Biotechnical Faculty; Ljubljana, Slovenia	
	Times of Change: The Need for Sustainable Spatial Transformation and the Role of Data, GIS, and Visualisation Martin BERCHTOLD Professor for Digitisation, Visualisation and Monitoring in Spatial Planning at University of Kaiserslautern-Landau; Kaiserslautern, DE	
	Nature-Based Solutions: The Long View Judith RYSER Architect and Urban Thinker; London, UK	
 <p>Who is speaking right now? Find it out on https://live.corp.at </p> 		15:30-16:15
Coffee Break and 400 m Walk to Urban Planning Institute of the Republic of Slovenia (UIRS)		15:30-16:15

SCHEDULE

Monday, 18 September 2023

Time		UIRS
16:15-18:00		Keynote Speeches AT UIRS Chair: Manfred SCHRENK
MONDAY		 Welcome to the Urban Planning Institute of the Republic of Slovenia Barbara GOLIČNIK MARUŠIČ Urban Planning Institute of the Republic of Slovenia, Head of Research; Ljubljana, Slovenia
TUESDAY		 The Importance of Spatial Data for Sustainable Spatial Management Blaž BARBORIČ Geodetic Institute of Slovenia; Ljubljana, Slovenia
WEDNESDAY		 Wind Turbine Blade Waste Recycling into Urban Regeneration Elements (Urban Design at Public Places) Eva VANIŠTA LAZAREVIĆ Professor at University of Belgrade, Faculty of Architecture; Belgrade, Serbia
		 Creating Data-Driven Tourism Planning: Tourism 4.0, Data Spaces and other Innovative Initiatives Urška STARC PECENY ARCTUR, Chief Innovation Officer and Lead of Tourism 4.0 Department; Nova Gorica, Slovenia
		 Smart City Projects Mannheim Hans Rüdiger KAUFMANN University of Applied Management Studies; Mannheim, DE
from 18:00		Guided City Tour, afterwards Snacks, Drinks and Networking

REAL CORP 2024



KEEP ON PLANNING FOR THE REAL WORLD

Climate Change calls for
Nature Based Solutions and Smart Technologies

KEEP ON PLANNING FOR THE REAL WORLD CLIMATE CHANGE CALLS FOR NATURE-BASED SOLUTIONS AND SMART TECHNOLOGIES

**ADAPTIVE, INNOVATIVE, INCLUSIVE,
ECOLOGICAL, DIGITALLY SOVEREIGN**

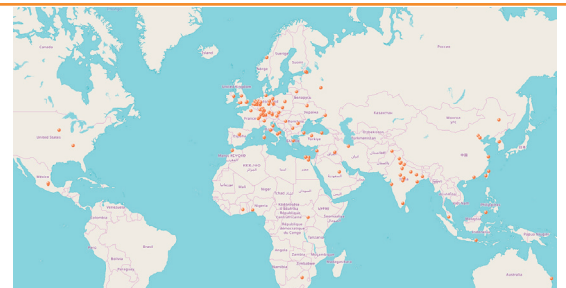
**29th International Conference on
Urban Planning and Regional Development
in the Information Society**

15-17 April 2024

Mannheim, Germany

INTERDISCIPLINARITY AND INTERNATIONALITY

200-250 REAL CORP conference participants from over 30 countries each year are coming from universities and the academic branch as well as private enterprises, public administration and NGO/NPOs in the fields of urban planning, smart cities, mobility and transport planning, information and communication technologies, architecture, social and environmental sciences, real estate, GIS, surveying and remote sensing and more. During the conference days they share and discuss the latest tasks and topics on urban planning, regional development and information society in an international and extremely interdisciplinary conference with networking events.



WHO ATTENDS

**Urban development experts
from policy, administration,
special interest groups, and
NGOs:**

- chambers of commerce
- local authorities
- municipalities, ministries
- national and regional institutes
- federations, associations
- ...

**Researchers (graduates as
well as students):**

- urban/spatial planning
- architecture and urban design
- mobility and transportation
- regional science, smart cities
- energy planning
- landscape/environment
- GIS/ICT
- ...

**Stakeholders and representatives from
economy, commerce, and industry:**

- urban/mobility/environmental planners, experts, planning agencies
- architects, engineers
- urban technology providers
- real estate developers
- infrastructure builders and operators
- experts from commerce, IT, industry
- international consultants, ...

PAST CONFERENCES

All REAL CORP papers and proceedings since the very first conference in 1996 are accessible free of charge through our online archive. >>> <https://archive.corp.at> (Open Access)

SCHEDULE

Tuesday, 19 September 2023

Time	Auditorium 1	Auditorium 2
09:30-11:00	Urban Design and Planning Driven by Nature-Based Solutions Chair: Barbara GOLIČNIK MARUŠIČ	Urban Heat Islands and Urban Microclimate Chair: Martin BERCHTOLD
MONDAY	<p>🏆 Integrative Design Solutions for Connecting Street Trees to the Urban Water Cycle Karl GRIMM*, Dagmar GRIMM-PRETNER** * Karl Grimm Landschaftsarchitekten; Vienna, AT ** University of Natural Resources and Life Sciences, Institute of Landscape Architecture; Vienna, AT</p>	<p>Evaluation of High-Resolution Simulation of the Urban Heat Island in Vienna, Austria Maja ZUVELA-ALOISE, Claudia HAHN, Brigitta HOLLOSI, Sandro OSWALD GeoSphere Austria; Vienna, AT</p>
TUESDAY	<p>🏆 Airflow in Urban Environment: an Approach to Improve Egyptian Buildings Regulations Rana ELBADRI, Hassan ABDEL-SALAM, Mohamed FIKRY Alexandria University, Architectural Department; Alexandria, Egypt</p>	<p>Cool Down Güssing: Sustainable Cooling Concepts for Existing Buildings using the Example of the Municipality of Güssing Robert PRATTER*, Christian DOCZEKAL**, Georg PREM*** * 4ward Energy Research GmbH; Graz, AT ** Güssing Energy Technologies GmbH; Güssing, AT *** Reiterer & Scherling GmbH; Hartberg, AT</p>
WEDNESDAY	<p>Modelling the Efficiency of Nature-Based Solutions to Decrease Extreme Summer-time Heat in Dense Urban Environment on Example of Vienna, Austria Maja ZUVELA-ALOISE*, Claudia HAHN*, Marianne BÜGELMAYER-BLASCHEK**, Martin SCHNEIDER** * GeoSphere Austria, Urban Climate; Vienna, AT ** Austrian Institute of Technology; Vienna, AT</p>	<p>Microclimate-Related Human Comfort as Aspect in Urban Planning: Indication of Nature-Based Solution Interventions to Increase Quality of Cycling Networks Ziva RAVNIKAR*, Barbara GOLIČNIK MARUŠIČ**, Alfonso BAHILLO MARTINEZ*** * University of Deusto; Bilbao, Spain ** Urban Planning Institute of the Republic of Slovenia; Ljubljana, Slovenia *** Department of Signal Theory and Communications, University of Valladolid; Valladolid, Spain</p>
	<div>  <p>http://live.corp.at</p> <p>LIVE CONFERENCE GUIDE</p> </div>	
11:00-11:30	Coffee Break	

Presentations marked with 🏆 are reviewed papers.

18-20 September 2023

SCHEDULE

Tuesday, 19 September 2023

Auditorium 3	Auditorium 4	Time
Sensitive and Sustainable Urban Planning Chair: Eva VANIŠTA LAZAREVIĆ	Co-Creation and Community Engagement Chair: Uschi DORAU	09:30-11:00
<p>🏆 Gender-Sensitive Use and Development of (Digital) Participation and Analysis Tools for Equal Access to Open Spaces Flora FESSLER*, Ernst GEBETSROITHER-GERINGER*, Florian REINWALD** * AIT Austrian Institute of Technology, Center for Energy; Vienna, AT ** Universität für Bodenkultur Wien, Department of Landscape, Spatial and Infrastructure Sciences; Vienna, AT</p> <p>🏆 Time-based Solutions for Gender Just Low Carbon, Sustainable Urban Transformation – Learning from European Time-Planning Practises Heidrun WANKIEWICZ*, Lidewij TUMMERS**, Flora FESSLER*** * planwind/Corrina, Owner/Researcher; Salzburg, AT ** Tussen Ruimte/University Twente/Corrina, CEO/Researcher; Rotterdam, NL *** AIT – Austrian Institute of Technology GmbH, Digital Resilient Cities Center for Energy; Vienna, AT</p> <p>🏆 Co-Creating Inclusive Public Spaces: Engaging Underrepresented and Marginalised Communities in the Planning Process Marina LOVRIĆ Geodetic Institute of Slovenia; Ljubljana, Slovenia</p> <p>🏆 The Influence of Social Infrastructure Accessibility on Liveability in Urban Neighbourhoods Corinna SCHITTENHELM, Martin RUMBERG, Detlef KURTH RPTU Kaiserslautern-Landau, RU/Stadtplanung; Kaiserslautern, DE</p> <p>Making Tourism Accessible: Capturing Barriers for Persons with Disabilities with Mobile Devices Blaž BARBORIČ Geodetic Institute of Slovenia; Ljubljana, Slovenia</p>	<p>🏆 The Community Gardens and Kitchens, and their Contribution to the Social Development of the Marginalised Areas in Berlin Hellen AZIZ Kassel University, Urban Development; Berlin, DE</p> <p>How can Climate Learning be Initiated? Piloting Unconventional Interventions in Neighbourhoods Viktoria KOFLER, Claudia WINKLER, Sebastian SEEBAUER, Michael BRENNER-FLIESSER Joanneum Research, LIFE - Institute for Climate, Energy Systems and Society; Graz, AT</p> <p>How to Co-Create Collective Awareness on the Benefits of Trees Veerle STROSSE*, Sara STOFFELS*, Nathalie VALLET** * VPO, Environment Flanders; Brussels, Belgium ** University of Antwerp, Department Management; Antwerp, Belgium</p> <p>🏆 Creating Resilient Public Spaces. A Global Perspective on the Conditions for Integrated Urban Development Katharina HÖFTBERGER*, Roland KREBS*, Stefan MAYR*, Sheikh Muhammad REZWAN**, Theresa KÖNIG*, Victoria DE LÁNCER SALAS***, Anselmo CANI**** * supervien urbanism; Vienna, AT ** Daffodil International University, Department of Architecture; Dhaka, Bangladesh *** Universidad Iberoamericana UNIBE, School of Architecture; Santo Domingo, Dominican Republic **** Universidade Eduardo Mondlane, Faculty of Architecture; Maputo, Mozambique</p>	<p>MONDAY</p> <p>TUESDAY</p> <p>WEDNESDAY</p>
		Coffee Break 11:00-11:30

SCHEDULE

Tuesday, 19 September 2023

Time	Auditorium 1	Auditorium 2
11:30-13:00	Nature-Based Solutions: Tools and Instruments Chair: Nataša PICHLER-MILANOVIĆ	Menschengerechte Mobilität Moderation: Martin BERCHTOLD
MONDAY	<p>🏆 Nature Based Solutions: More than Just Greening the City? Judith RYSER*, Teresa FRANCHINI** * CityScope Europe; London, UK ** Temanova; Madrid, Spain</p>	<p>Der Beitrag temporärer Straßenexperimente zur kollaborativen Planung lebenswerter urbaner Quartiersstraßen Steven MÄRZ, Lynn VERHEYEN, Sina DIERSCH Wuppertal Institute; Wuppertal, DE</p>
TUESDAY	<p>Small Lexicon on Ecology (for those interested in cities) Olivier LEFEBVRE Olivier Lefebvre Consultant, Olivier Lefebvre Consultant; Paris, France</p>	<p>🏆 Decoding Stress – ein interdisziplinärer Stressforschungsansatz zur Förderung qualitätsvoller öffentlicher Stadträume für den Rad- und Fußverkehr Nina HAUG, Peter ZEILE, Markus NEPL Karlsruher Institut für Technologie (KIT), Stadtquartiersplanung; Karlsruhe, DE</p>
WEDNESDAY	<p>🏆 Theoretical and Methodological Framework for the Development of Urban Climatic Planning Recommendation Maps Sophie THIEL*, Florian REINWALD*, Astrid KAINZ**, Claudia HAHN**, Daniel ZIMMERMANN***, Robert LUGER*** * University of Natural Resources and Life Sciences (BOKU); Vienna, AT ** GeoSphere Austria; Vienna, AT *** 3:0 Landschaftsarchitektur, Office for climate-sensitive planning; Vienna, AT</p> <p>🏆 Nature-Based Solutions and a Just Transition: Understanding the Jobs, Skills and Training Requirements for NBS to Contribute to the Green Economy Leslie MABON Open University; Milton Keynes, UK</p>	<p>🏆 Gendersensibles Carsharing – Nutzungsbarrieren und Maßnahmen Linda DÖRRZAPF*, Sonja GRUBER**, Ornella MAROVIC***, Vanessa SODL-NIEDERECKER* * TU Wien, MOVE; Wien, AT ** Büro Sonja Gruber; Wilfleinsdorf, AT *** Mo.Point Mobilitätsservices GmbH; Wien, AT</p>
13:00-14:00	Lunch Break	



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18-20 September 2023

SCHEDULE

Tuesday, 19 September 2023

Auditorium 3	Auditorium 4	Time
Urban Policy Chair: Eva VANIŠTA LAZAREVIĆ	Data and Information Infrastructure Chair: Trynos GUMBO	11:30-13:00
<p>🏆 Local Climate Adaptation Governance: Challenges to Transformation Carolin SCHROEDER TU Berlin, Zentrum Technik und Gesellschaft; Berlin, DE</p> <p>🏆 The Role of Secure Land Tenure Policy and Practise on Economic and Social Development: Lessons from Edendale and Ambleton, City of Pietermaritzburg Nombuso MKHWANAZI, Trynos GUMBO, Thulisile MPHAMBUKELI University of Johannesburg, Urban and Regional Planning; Johannesburg, South Africa</p> <p>🏆 Climate Havens of Egypt: Facing Extreme Weather Events Nesma SALAH, Amira ADEL, Ali BAKR Alexandria University, Architectural Department; Alexandria, Egypt</p> <p>Presentations marked with 🏆 are reviewed papers.</p>	<p>🏆 Towards a Conceptual Framework for Sustainable Municipal Free Wi-Fi Interventions in South Africa Tlou Phillemon MATHANE, Trynos GUMBO University of Johannesburg, Town and Regional Planning; Johannesburg, South Africa</p> <p>🏆 A Core of Robotics Intelligence. A “Green Button” Idea Tatiana POPOVICH*, Pietro ELISEI**, Manfred SCHRENK***, Artem ZAGVOZDKIN*, Vasily POPOVICH*, Stanislav BURDAKOV* * St. Petersburg, Russia ** ISOCARP; The Hague, NL *** CORP – Consulting Research Projects; Vienna, AT</p> <p>🏆 Neuroarchitecture Approach to Female Perception of Safety in Public Space Nesreen AIAD, Khalid AL-HAGLA, Hassan ABDELSALAM Faculty of Engineering, Architecture; Alexandria, Egypt</p> <p>🏆 The Impact of Free Municipal Wi-Fi on the Citizens’ Right to the City, Good Governance, and Service Delivery in an African Context Tlou Phillemon MATHANE, Trynos GUMBO University of Johannesburg, Town and Regional Planning; Johannesburg, South Africa</p>	<div>MONDAY</div> <div>TUESDAY</div> <div>WEDNESDAY</div>
Lunch Break		13:00-14:00

SCHEDULE

Tuesday, 19 September 2023

	Time	Auditorium 1	Auditorium 2
	14:00-15:45	Nature-Based Solutions: From Policy to Practise Chair: Nataša PICHLER-MILANOVIĆ	Digital und smart Moderation: Linda DÖRRZAPF
MONDAY		<p>🏆 Making Green Real – How to Promote Greenery in Real Estate Development T. TÖTZER*, M. SCHNEIDER*, B. BOZIC**, R. BUKOR***, D. ENZERSDORFER****, S. FORMANEK*****, V. GEBHARDT*****, M. JUNG*, A. LICHTBLAU*****, W. SELLINGER*****</p> <p>* AIT, DRC – Digital Resilient Cities; Wien, AT; ** 6B47 Austria; Wien, AT; *** Lindle+Bukor; Wien, AT; **** grünplan gmbh; Leobendorf, AT; ***** GRÜNSTATTGRAU; Wien, AT; ***** Stadt Wien, MA 18 – Stadtentwicklung und Stadtplanung; Wien, AT; ***** 90 DEGREEN GmbH; Wien, AT</p>	<p>🏆 Land I(i)eben – künftig alles smart? Chancen und Herausforderungen der digitalen Transformation für regionale Entwicklung am Beispiel des Landkreises Kusel Tobias WEBER, Kirsten MANGELS RPTU Kaiserslautern-Landau, Lehrstuhl Regionalentwicklung und Raumordnung; Kaiserslautern, DE</p>
TUESDAY		<p>Net-Zero Land Consumption in Practise – Urban Infill, Demolition and Urban Qualification as Elements of a Circular Land Use Economy Hendrik JANSEN IU International University, Architecture and Urban Design; Berlin, DE</p>	<p>🏆 Digitales Parken der Zukunft – Planungen zu einem Reallabor auf dem Campus der Universität der Bundeswehr München Tobias WIEMERS, Frederik GÜGEL, Markus HOLZMAIR Universität der Bundeswehr München, Professur für Raumplanung und Mobilität; Neubiberg, DE</p>
WEDNESDAY		<p>BlueGreenStreets – Adapting Urban Streets for Climate Change Jochen ECKART*, Wolfgang DICKHAUT**, Michael RICHTER**</p> <p>* Hochschule Karlsruhe, Institute for Transport Systems and Infrastructure; Karlsruhe, DE ** HafenCity-Universität Hamburg; Hamburg, DE</p>	<p>🏆 Bäume im Bild: Wie ein transdisziplinärer Ansatz und KI zur Verbesserung der Datenqualität eines städtischen digitalen Baumkatasters beitragen können Julia MAYER*, Lena HOFF**, Sascha HENNINGER**, Martin MEMMEL*</p> <p>* Deutsches Forschungszentrum für Künstliche Intelligenz (DFKI), SmartCity Living Lab; Kaiserslautern, DE ** RPTU Kaiserslautern-Landau, Fachbereich Raum- und Umweltplanung; Kaiserslautern, DE</p>
		<p>🏆 Brownfield Regeneration in Sarajevo – Sustainable Growth Towards a Polycentric City K. HÖFTBERGER*, H. KLUMPNER**, R. KREBS*, K. MATIĆ***, A. PAVLOVIĆ****, M. WALCZAK**, A. DJURIC*****</p> <p>* superwien urbanism; Vienna, AT; ** ETH Zurich, Department of Architecture; Zürich, CH; *** Colliers, Capital Markets; Zagreb, Croatia; **** University of Sarajevo, Bosnia and Herzegovina; ***** Urban Innovation Vienna; Wien, AT</p>	<p>Hochauflösendes Monitoring der Flächennutzungsentwicklung in Städten und Regionen mit dem IÖR-Monitor Gotthard MEINEL Leibniz-Institut für ökologische Raumentwicklung, Raumbezogene Information und Modellierung; Dresden, DE</p>
	15:45-16:15	Coffee Break	



18-20 September 2023

SCHEDULE

Tuesday, 19 September 2023

Auditorium 3	Auditorium 4	Time
Public Health and Well-Being I Chair: Uschi DORAU	Socially Sustainable and Responsible Mobility I Chair: Clemens BEYER	14:00-15:45
<p>🏆 Measuring the Impact of Walking Environments on Brain Activation: Results from an fNIRS Pilot Study Lisa Marie BRUNNER*, Henrikke DYBVIK**, Helge HILLNHÜTTER*, Pasi AALTO***, Martin STEINERT**</p> <p>* Norwegian University of Science and Technology, Institute of Architecture and Planning; Trondheim, Norway ** Norwegian University of Science and Technology, Department of Mechanical and Industrial Engineering; Trondheim, Norway *** Norwegian Univ. of Science and Technology, Institute of Architecture and Technology; Trondheim, Norway</p> <p>🏆 The Role of Smart Cities on Smart Healthcare Management Hans Rüdiger KAUFMANN, Neda OMIDLOU University of Applied Management Studies; Mannheim, DE</p> <p>🏆 Urban Stress and Bicycle Infrastructure in the City of Osnabrück – Analysing Well-Being and Infrastructure Relationships in Streetscapes through a Triangulation Approach Céline SCHMIDT-HAMBURGER*, Thomas ELTNER**, Peter ZEILE*, Nina HAUG*</p> <p>* Karlsruhe Institute of Technology, Architecture - Chair of Urban Housing and Development; Karlsruhe, DE ** TU Dortmund, Fachgebiet Stadt und Regionalplanung; Dortmund, DE</p> <p>🏆 Impact of Urban Attributes on Human Happiness and Health in Alexandria as an Egyptian City Lamiaa ABD-RABO, Mohamed ABDELALL, Zeyad EL SAYAD Faculty of Engineering – Alexandria University, Architecture Department; Alexandria, Egypt</p>	<p>🏆 The Effect of Overtaking Distances on the Stress Occurrence of Cyclists in Urban Areas Jan HAUENSTEIN*, Jochen ECKART**, Peter ZEILE***, Jule MERK**</p> <p>* Planersocietät, Verkehrsplaner; Karlsruhe, DE ** Hochschule Karlsruhe, Institute for Transport Systems and Infrastructure; Karlsruhe, DE *** Karlsruher Institut für Technologie KIT, Stadtquartiersplanung STQP; Karlsruhe, DE</p> <p>🏆 Understanding Spatio-Temporal Usage Patterns of Cargo Bike Sharing to Foster Market Diffusion Aurelia KAMMERHOFER*, Florian PÜHRINGER*, Leo KOSTKA**, Linda DÖRRZAPF*, Martin BERGER*</p> <p>* TU Wien, MOVE; Wien, AT ** TU Wien, FVV; Wien, AT</p> <p>🏆 Optimising Sustainable Urban Mobility: Analysis of Non-Motorised Transport along M1 Road in Lilongwe Town, Malawi Gloda ZULU, Trynos GUMBO, Retsepile KALAOANE University of Johannesburg, Town and Regional Planning; Johannesburg, South Africa</p> <p>🏆 Paratransit, Built Environment, and Urban Mobility – a Responsive Relationship Ahmed ATEF ELSAWY, Hany AYAD Alexandria University, Architectural Engineering Department; Alexandria, Egypt</p>	<p>MONDAY</p> <p>TUESDAY</p> <p>WEDNESDAY</p>
Coffee Break		15:45-16:15

SCHEDULE

Tuesday, 19 September 2023

Time	Auditorium 1	Auditorium 2
16:15-17:45	Innovative Urban Development Chair: Blaž BARBORIČ	Kommunale Entwicklung Moderation: Martin BERCHTOLD
MONDAY	<p>🏆 Rethinking the Urban Green Spaces by the Lens of GIScience: the Experience of the Project Living Urban Parks Edoardo CRESCINI*, Giuseppe DELLA FERA *, Francesco FACCHINELLI**, Francesca PERONI*, Daniele CODATO*, Salvatore PAPPALARDO*, Massimo DE MARCHI*</p> <p>* University of Padova, Department of Civil, Environmental and Architectural Engineering; Padova (PD), Italy ** University of Padova, Department of Historical and Geographic Sciences and The Ancient World; Padova (PD), Italy</p>	<p>ZUSIE Zukunft Siedlung – klimaresiliente Umbaustrategien für die Siedlung in Erpersdorf und deren Transfer Lukas BOTZENHART, Katharina KIRSCH SORIANO DA SILVA Caritas der Erzdiözese Wien, Stadtteilarbeit; Wien, AT</p>
TUESDAY	<p>🏆 An Assessment of Urban Decay in Rural Towns: a Case of Building Dilapidation in Thohoyandou Town, South Africa Comfort NDOU, Shylet NYAMWANZA University of Venda, Urban and Regional Planning; Thohoyandou, South Africa</p>	<p>🏆 Programmmanagement als Grundlage zur Umsetzung von Stadtentwicklungskonzepten Max HAUG KIT, IESL; Stuttgart, DE</p>
WEDNESDAY	<p>🏆 Investigating Urban Regeneration and Sustainable Cities Development Nexus in the City of Pietermaritzburg, South Africa Sphamandla NDLAZI, Trynos GUMBO, Eric MAKONI University of Johannesburg, Town and Regional Planning; Johannesburg, South Africa</p>	<p>🏆 Die dunkle Nacht erhebt sich – „Sternenparks“ als informelles und kommunales Steuerungselement für Natur- und Freiraumschutz Sascha HENNINGER, Marcel SCHÄFER RPTU Kaiserslautern-Landau, Fachbereich Raum- und Umweltplanung; Physische Geographie; Kaiserslautern, DE</p> <p>🏆 Inside Babyboomer – Gesundheits- und Wohnstandortverhalten deutscher Babyboomer und deren planerische Herausforderungen für die Gesundheitsversorgung in ländlich-suburbanen Räumen Marvin STIEWING, Kirsten MANGELS RPTU Kaiserslautern-Landau, Lehrstuhl Regionalentwicklung und Raumordnung; Kaiserslautern, DE</p>
<p>Also note the live info monitor next to the registration desk!</p>		
from 18:00	Official REAL CORP 2023 Evening Reception	

Tuesday, 19 September 2023

Auditorium 3	Auditorium 4	Time
Public Health and Well-Being II Chair: Uschi DORAU	Socially Sustainable and Responsible Mobility II Chair: Linda DÖRRZAPF	16:15-17:45
<p>🏆 Living and Working in a Healthy Environment: How Sensor Research in Flanders can Help Measure and Monitor Exposure to Certain Environmental Factors Sophie DE MULDER, Michel GOETHALS, Mart VERLAEK, Liesbeth GOMMÉ, Niels DE KEMPENEER, Tine VAN HOOFF, Karen VAN CAMPENHOUT, Philippe VAN HAVER, Maja MAMPAEY, Caroline TEUGHEL, Geert VAN HAUTE Department of Environment & Spatial Development Flanders, Environment and Health Research Team; Brussels, Belgium</p> <p>🏆 Impact of Educational Building Design on Users' Psychological and Physical Well-Being – Case Study High School in Egypt Khlood WAHBA, Asmaa HASAN, Dina TAHA Alexandria University, Faculty of Engineering, Department of Architecture; Alexandria, Egypt</p> <p>🏆 Towards the Evaluation of Possible Indicators for the Provision of Green Spaces in Settlements to Promote Physical Activity among the Population Jana KOZAMERNIK, Vita ZLENDER, Ina ŠUKLJE ERJAVEC Urban Planning Institute of the Republic of Slovenia; Ljubljana, Slovenia</p> <p>The Positive Effects of Active Mobility on Health with a Focus on Children's and Youth Mobility Natasa HODZIC-SRNDIC AustriaTech, Mobility Ecosystems; Wien, AT</p> <p>Presentations marked with 🏆 are reviewed papers.</p>	<p>🏆 Application of the Persona Concept to Convey Socially Sustainable and Responsible Transport System Planning to Children and Juveniles Considering Autonomous Vehicles: Work Report on the Project AM4Kids – Future Workshop Nina HOHENECKER*, Bente KNOLL**, Christopher SCHLEMBACH***, Georg HAUGER*, Gabriela SAMMER****, Agnes RENKIN** * TU Wien, Verkehrssystemplanung; Vienna, AT ** B-NK GmbH; Vienna, AT *** Universität Wien, Institut für Soziologie; Vienna, AT **** ZIS+P Verkehrsplanung; Graz, AT</p> <p>🏆 Optimization of Cities through Green Spaces Hans Rüdiger KAUFMANN*, Thomas WALCH**, Gamze ÜNSAL-PETER***, Danny WESTPHAL***, Thomas SCHÄFER***, Stefan BLEY****, Matthias RÄDLE*** * Univ. of Applied Management Studies; Mannheim, DE ** Factory Agency; Mannheim, DE *** Hochschule Mannheim; Mannheim, DE **** City of Mannheim, DE</p> <p>🏆 Increase Occupancy Rate in Passenger Cars – Potentials of Awareness Raising for Carpooling Martin BERGER*, Linda DÖRRZAPF*, Lukas TANZER*, Arthur KAMMERHOFER**, Richard PREISSLER***, Fabian ARTACKER*** * TU Wien, MOVE; Wien, AT ** TU Wien, SRF; Wien, AT *** Carcapacity; Wien, AT</p> <p>🏆 FTN – Frequent Transit Network: Transit Strategies towards Achieving Transit-Oriented Development in Alexandria City, Egypt Rowan SHEBL*, Hany AYAD**, Mai ABDO** * General Directorate of Planning and Urban Development, Data Centre; Alexandria, Egypt ** Alexandria University, Department of Architecture; Alexandria, Egypt</p>	<p>MONDAY</p> <p>TUESDAY</p> <p>WEDNESDAY</p>

SCHEDULE

Wednesday, 20 September 2023

Time	Auditorium 1	Auditorium 2
09:30-11:00	Urban Regeneration for a Better Quality of Life I Chair: Judith RYSER	Innovationen in Städtebau und Raumplanung Moderation: Martin BERCHTOLD
MONDAY	<p>🏆 Urban Revitalisation of Small Settlement in the Regional Context: Case Study Kneževu in Baranja Region in Croatia Lea PETROVIĆ KRAJNIK, Damir KRAJNIK, Petra BANIĆ University of Zagreb, Department of Urban Planning, Spatial Planning and Landscape Architecture; Zagreb, Croatia</p>	<p>🏆 Vertikales Wachstum im Städtebau Leonardo REINHARD, Tobias WIEMERS Universität der Bundeswehr München, Institut für Verkehrswesen und Raumplanung; Neubiberg, DE</p>
TUESDAY	<p>XR-Supported Communication in Green Urban Projects. Participating in Urban Change through Virtual and Augmented Reality Katharina HÖFTBERGER*, Doris ALLERSTORFER**, Anna KONRATH***, Andreas BERGER****, Roland KREBS* * superwien urbanism; Vienna, AT ** tatwort Nachhaltige Projekte; Vienna, AT *** fluxguide; Vienna, AT **** Green4Cities; Vienna, AT</p>	<p>🏆 Implementierung von Waldinseln im Bereich der gründerzeitlichen Innenhöfe von Graz Petra KUBIN TU Graz, Institut für Städtebau; Graz, AT</p>
WEDNESDAY	<p>🏆 Towards Enhancement of Alexandria City Waterfront: Quality of Life Assessment Model Aida NAYER, Dina MOHAMED BHI, Architectural Engineering; Alexandria Cairo Desert Road, Egypt</p> <p>🏆 Co-Creating Development in Mining Towns: the Nexus between Social Labour Plans and Integrated Development Plans for Urban Development Planning in Rustenburg, South Africa Samson FABOYE, Trynos GUMBO, Jackson SEBOLA-SAMANYANGA University of Johannesburg, Town and Regional Planning; Johannesburg, South Africa</p>	<p>Monitoring von Stadt- und Regionalentwicklung mit statistischen Zeitreihen Clemens BEYER, Manfred SCHRENK CORP – Consulting Research Projects; Schwechat, AT</p>
11:00-11:30	Coffee Break	



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**LIVE
CONFERENCE
GUIDE**



18-20 September 2023

SCHEDULE

Wednesday, 20 September 2023

Auditorium 3	Auditorium 4	Time
Climate Change Mitigation and Adaptation Chair: Uschi DORAU	Nature-Based Solutions: Case Studies Chair: Clemens BEYER	09:30-11:00
<p>🏆 The Potentials of Digital Tools to Contribute to Spatial Transformations – the Example of the Digital Twin of the City of Helsinki Jonas PAULY, Karina M. PALLAGST RPTU Kaiserslautern-Landau, Raum- und Umweltplanung; Kaiserslautern, DE</p> <p>🏆 Green Buildings as an Accelerator in Climate Change Mitigation and Air Quality Improvement Ofhani MUKWEVHO, Trynos GUMBO, Walter MUSAKWA University of Johannesburg, Town and Regional Planning; Johannesburg, South Africa</p> <p>🏆 Requirements for a Dashboard Application to Facilitate Climate-Smart Planning for Sustainable Resilient Green and Blue Cities Florian REINWALD*, Sophie THIEL*, Verena MACHO**, Susanne FORMANEK***, Rafael WERLUSCHNIG***, Markus LUISER****, Andras HORVATH**** * University of Natural Resources and Life Sciences (BOKU); Vienna, AT ** FCP Fritsch, Chiari & Partner ZT GmbH; Vienna, AT *** GRÜNSTATTTGRAU Research and Innovations GmbH; Vienna, AT **** Rheologic GmbH; Vienna, AT</p> <p>🏆 Refurbished Green Buildings and Net Carbon Emissions Nexus: Towards Safer and Intelligent Futures in South African Cities China MASHININI, Jeffery MAHHACHI, Trynos GUMBO, Thulisile MPHAMUKELI University of Johannesburg, Town and Regional Planning; Johannesburg, South Africa</p>	<p>🏆 Exploring Nature-Based Solutions for Urban River Restoration: Insights from China's Sponge City Programme Yixin CAO, Karl Matthias WANTZEN University of Tours, Interdisciplinary Research Center of Cities, Territories, Environment and Society; Tours, France</p> <p>🏆 Nature-Based Solutions through Blue-Green Infrastructure as Measure of Adaptation, Resilience and Liveability to Climate Change: Case Study City Lab Saltillo, Mexico Catalina DIAZ*, Eduardo SANTILLAN-GUTIERREZ**, Gabriela DE VALLE***, Carmina VILLAREAL*** * University Stuttgart, Institute of Human Factors and Technology Management IAT/Urban Systems Engineering; Stuttgart, DE ** Tecnológico de Monterrey, Centro del Agua; Monterrey, Nuevo León, Mexico *** Municipal Planning Institute Saltillo; Saltillo, Mexico</p> <p>🏆 Investigating the Environmental and Economic Benefit of Waste to Energy Project: a Case Study of Methane Gas at the Thohoyandou Landfill Site Mukona KONE*, Trynos GUMBO*, David TINARO** * University of Johannesburg, Town and Regional Planning; Johannesburg, South Africa ** University of Venda, Science and Mathematic; Thohoyandou, South Africa</p> <p>🏆 Thermal Variation and Socio-Environmental Inequality in Taipei Basin Wan-Yu SHIH Ming Chuan University, Urban Planning and Disaster Management; Taipei, Taiwan</p> <p>Presentations marked with 🏆 are reviewed papers.</p>	<p>MONDAY</p> <p>TUESDAY</p> <p>WEDNESDAY</p>
Coffee Break		11:00-11:30

SCHEDULE

Wednesday, 20 September 2023

Time	Auditorium 1	Auditorium 2
11:30-13:00	Urban Regeneration for a Better Quality of Life II Chair: Janez P. GROM	Innovation in Nature-Based Solutions Chair: Barbara GOLIČNIK MARUŠIČ
MONDAY	<p>🏆 Urban Nexus: An Approach for Regenerative Urban Environments (Public Spaces Located in the Urban Fringe) Nouran NAGUIB, Hassan ABDEL-SALAM, Dina SAADALLAH, Mai ABDO Alexandria University, Department of Architectural Engineering; Alexandria, Egypt</p>	<p>🏆 Harnessing Crowdsourcing Data for Comprehensive Green Window View Analysis Anna-Maria BOLTE, Mahsa MOGHADAS, Theo KÖTTER University of Bonn; Bonn, DE</p>
TUESDAY	<p>Comparison of the Evolution Process of City Examination and Evaluation in China and Britain and its Enlightenment to China Ziwei GAO, Yuting YANG, Xiaohan XU China Academy of Building Research; Beijing, China</p>	<p>Participatory Approaches in Nature-Based Solutions: Literature and Practises Sara BIANCIFIORI*, Sara TORABI MOGHADAM**, Patrizia LOMBARDI** * POLITO/IUSS pavia/ EURAC, DIST department; Torino, Italy ** POLITO, DIST; Torino, Italy</p>
WEDNESDAY	<p>🏆 Integrating Multi-Scalar Attributes in Assessing Urban Sustainability for the Built Environment in Heritage Sites: the SHAI Model Aida NAYER*, Dalia ABD EL FATTAH** * BHI, Architectural Engineering; Alexandria Cairo Desert Road, Egypt ** El Yamama University, Architecture Engineering Department; Riyadh, Saudia Arabia</p> <p>🏆 Challenges for Implementing Blue-Green Measures in the Transformation of Peri-Urban Streets Mario STEFAN*, Lena FLAMM**, Carola HILGERT***, Eva SCHWAB*** * TU Graz, Institute of Urbanism; Graz, AT ** bgmr Landschaftsarchitekten; Berlin, DE *** Technical University Graz; Graz, AT</p> <p>🏆 Urban Regeneration: Identifying Causes and Impacts of Urban Decay within the Pietermaritzburg Central Business District: South Africa Kwethemba KHUMALO, Trynos GUMBO, Jackson SEBOLA-SAMANYANGA University of Johannesburg, Town and Regional Planning; Johannesburg, South Africa</p>	<p>🏆 The Possibility of Including Habitat Types as Nature-Based Solutions in Spatial Planning Documents: the Case of Slovenia Manca DREMEL*, Igor ZELNIK**, Barbara GOLIČNIK MARUŠIČ * Urban Planning Institute of the Republic of Slovenia; Ljubljana, Slovenia ** University of Ljubljana, Biotechnical Faculty, Department of Biology; Ljubljana, Slovenia</p> <p>🏆 Community-Based Ecotourism Principles as a Framework for Community Development in Protected Areas Yasmine RADWAN*, Amira A. FATHI**, Khaled ELHAGLA** * Arab academy for science, technology & maritime transport, Architecture and Environmental Design; Cairo, Egypt ** Alexandria university, Faculty of Engineering, Department of Architecture; Alexandria, Egypt</p>
13:00-14:00	Lunch Break	

Presentations marked with 🏆 are reviewed papers.

Wednesday, 20 September 2023

Auditorium 3	Auditorium 4	Time
Sustainable Resources and Infrastructure Management Chair: Manfred SCHRENK	Data-driven Energy Transition across Various Planning Levels Chair: Stefan GEIER	11:30-13:00
<p>🏆 The Potential of Bio-Based Insulation Materials for Healthy Living Spaces and Sustainable Architecture Sandra BÖHM Karlsruhe Institute of Technology KIT, Institute of Design and Building Technology; Karlsruhe, DE</p> <p>🏆 Crisis and Green Urban Development: Urban Agriculture and Post-Earthquake Urban Resilience in Christchurch, New Zealand Andreas WESENER Lincoln University, School of Landscape Architecture; Lincoln, New Zealand</p> <p>Examining Pathways to Sustainable Storm Water Management: Experiences in Thohoyandou, Limpopo, South Africa Mashudu RANDELA, Trynos GUMBO University of Johannesburg, Town and Regional Planning; Johannesburg, South Africa</p> <p>🏆 Intelligent Social Networks T. POPOVICH*, P. ELISEI**, D. GOLUBOVIC-MATIC***, P. LACONTE****, V. V. POPOVICH*, M. SCHRENK*****, V. SHUTKOV*, A. ZAGVOZDKIN* * HTRD Ltd; St. Petersburg, Russia ** EEC UIA Prog. Intl. Expert; Bucharest, Romania *** Union Nicola Tesla University; Belgrade, Serbia **** Foundation for the Urban Environment – FFUE; Brussels, Belgium ***** CORP Consulting Research Projects; Schwechat, AT</p> <p>🏆 Evaluate the Socio-Economic Impact of the International Coastal Road (ICR) on Burg Elburullus City Ahmed ELKADY*, Mohamed A. FIKRY**, Zeyad T. ELSAYAD**, Ahmed Salah ELDEEB* * Kafrelsheikh University, Architecture Department; Kafr El Sheikh, Egypt ** Alexandria University, Architectural Engineering Department; Alexandria, Egypt</p>	<p>From Pixels to Planning: Large-scale Mapping of Urban Morphology and Population Distribution with the World Settlement Footprint 3D Daniela PALACIOS LOPEZ, Elisabeth BRZOSKA, Mattia MARCONCINI, Julian ZEIDLER, Thomas ESCH German Aerospace Center, Land Surface Dynamics; Weßling, DE</p> <p>Data for the Energy Transition from Strategic Planning to Project Level (GEL S/E/P II) Stefan GEIER University of Natural Resources and Life Sciences (BOKU); Vienna, AT</p> <p>Methods, Challenges, and Solutions for PEDs in Planning and Implementation (ZQ3Demo) Jens LEIBOLD UAS Technikum Wien; Vienna, AT</p> <p>🏆 “Energy WITH Spirit” Facing Nowadays Challenges by Generating Sustainable Energy in Solidary Energy Communities: First Project Insights Bente KNOLL*, Katharina PFASCHBACHER-ZACH*, Ralf DOPHEIDE**, Agnes RENKIN* * B-NK GmbH Büro für nachhaltige Kompetenz; Wien, AT ** Dipl.-Ing. Ralf Dopheide e.U.; Wien, AT</p> <div data-bbox="834 1651 1396 1945"> <p>What's coming up next?</p> <p>Our live conference guide</p> <p>http://live.corp.at</p> <p>has the answer</p> </div>	<p>MONDAY</p> <p>TUESDAY</p> <p>WEDNESDAY</p>
Lunch Break		13:00-14:00

SCHEDULE

Wednesday, 20 September 2023

Time	Auditorium 1	Auditorium 2
14:00-15:30	Systems of Green and Blue Infrastructure Chair: Trynos GUMBO	Adoptive Architecture and Multifunctional Spaces Chair: Uschi DORAU
MONDAY	<p>🏆 Optimizing the Infrastructure of Electric Vehicles and Developing Business Models for Sustainability Hans Rüdiger KAUFMANN, Nishant DHIR, Savas GENC University of Applied Management Studies; Mannheim, DE</p>	<p>🏆 Pathways to Urban Parks Functionality Enhancement: Lessons from Gugu Dlamini Park Mhlalisi MNDZEBELE*, Trynos GUMBO*, George NKERE*, Ayobami POPOOLA** * University of Johannesburg, Town and Regional Planning; Johannesburg, South Africa ** University of Kwazulu-Natal, Town and Regional Planning; Durban, South Africa</p>
TUESDAY	<p>🏆 The Role of Electric Vehicles in Greening the Environment: Prospects and Challenges Oluwayemi-Oniya ADERIBIGBE, Trynos GUMBO University of Johannesburg, Town and Regional Planning; Johannesburg, South Africa</p>	<p>🏆 Overall Layout of Socialist and Post-Socialist Large Housing Estates in Croatia Anđelina SVIRČIĆ GOTOVAC*, Jelena ZLATAR GAMBEROŽIĆ*, Sara URSIĆ**, Jana VUKIĆ*** * Institute for Social Research in Zagreb; Zagreb, Croatia ** Institute of Social Sciences Ivo Pilar; Zagreb, Croatia *** Faculty of Humanities and Social Sciences, Department for Sociology; Zagreb, Croatia</p>
WEDNESDAY	<p>🏆 EVAPO+ Transpiring Green Walls – a Demonstration on How to Maximise the Evapotranspiration Effect to Cool Down our Microclimate Bente KNOLL*, Agnes RENKIN*, Ralf DOPHEIDE**, Elisabeth KNASMILLNER***, Andreas HILLER***, Michael FLEISCHMANN*** * B-NK GmbH Büro für nachhaltige Kompetenz; Wien, AT ** Dipl.-Ing. Ralf Dopheide e.U.; Wien, AT *** RaumRegionMensch ZT GmbH; Wolkersdorf, AT</p>	<p>🏆 Design Studio Environment: Using Biophilic Patterns for Creative Performance Amany ABDEL-AZIZ, Dina NASSAR, Ingi EL-CHERIF, Khalid AL-HAGLA Faculty of Engineering, Alexandria University, Department of Architecture; Alexandria, Egypt</p>
	<p>🏆 Understanding the Significance of Urban Lingering Factor of Built Environments in the Socio-Climatic Decision-Making Process for Urban Open Spaces Sagda GAMALELDIN, Mohamed IBRAHIM, Zeyad EL-SAYAD Alexandria University, Architectural Engineering; Alexandria, Egypt</p>	<p>🏆 Computational-based Generative Design Exploration Multi-Agent System as an Approach Israa EL-MAGHRABY, Khaled AL-HAGLA, Heba JAHIN Alexandria University, Architectural Engineering; Alexandria, Egypt</p>
	<p>🏆 Facades Solar Screens Impact on Daylighting Performance in Buildings Mohamed ELCHARKAWI, Hassan ABDEL-SALAM, Mohamed FIKRY Alexandria University, Architecture engineering; Alexandria, Egypt</p>	
15:30-16:00	Conference Closing: Summary, Outlook, Perspectives	
		Auditorium 1

Wednesday, 20 September 2023

Auditorium 3	Auditorium 4	Time
Urban Morphology and Landscape Chair: Judith RYSER	Lessons Learnt From COVID-19 Chair: Manfred SCHRENK	14:00-15:30
<p>🏆 The Contribution of Peri-Urban Characterisation to the Development of Sense of Place Indicators Vita ZLENDER, Rok BRIŠNIK The Urban planning Institute of the Republic of Slovenia; Ljubljana, Slovenia</p> <p>🏆 Investigating the Main Factors of Neighbourhood Morphology Affecting Social Cohesion: SEM-PLS Analysis Approach Doaa MORSY*, Khalid AL-HAGLA**, Mohamed FIKRY** * General Directorate of Planning and Urban Development, Data Center; Alexandria, Egypt ** Alexandria University, Architecture Department; Alexandria, Egypt</p> <p>🏆 The Planning and Utilisation of Green Spaces in South Africa: Potchefstroom as a Case Study Zaakirah JEEVA University of Johannesburg, Town and Regional Planning; Johannesburg, South Africa</p> <p>🏆 Research on Construction Method of Genetic Map for Rural Settlement Heritage of Ethnic Minorities in Guangxi, China Xi LUO, Jianyun HUANG Shanghai, China</p> <p>🏆 Urban Morphology vs. Social Cohesion: a Study of Two Neighbourhoods in New Borg Al-Arab City, Egypt Doaa MORSY*, Khalid AL-HAGLA**, Mohamed FIKRY** * General Directorate of Planning and Urban Development, Data Center; Alexandria, Egypt ** Alexandria University, Architecture Department; Alexandria, Egypt</p>	<p>🏆 Functional Applications of Unmanned Aerial Vehicle Technology in Urban Planning Practice: A PRISMA Systematic Review Bernard Eric MDAOPA*, Trynos GUMBO*, Thembani MOYO**, Innocent MUSONDA** * University of Johannesburg, Town and Regional Planning; Johannesburg, South Africa ** University of Johannesburg, Centre for Applied Research + Innovation in the Built Environment (CARINBE); Johannesburg, South Africa</p> <p>🏆 Designing Learning Environments in Response to Pandemics: a Comparative Analysis for COVID-19 Best Practises Schools Interventions Merna MIKHAEIL, Asmaa HASAN, Tarek FARGHALY Alexandria University, Department of Architecture; Alexandria, Egypt</p> <p>🏆 The Role of Global Governance Systems in Shaping Responses in the Era of Pandemics: Lessons from Chinese Covid-19 Experiences for South Africa Boy Johannes MASHABELA, Jeffrey MAHACHI, Trynos GUMBO University of Johannesburg, Town and Regional Planning; Johannesburg, South Africa</p> <p>🏆 Diagnose Digital Skills Gap between Professional and Academic Sectors in Architecture Discipline – Jordan Case Study Anwaar BANISALMAN*, Ibrahim MAROUF*, Ali ABU GHANIMEH**, Amira FATHI * * Alexandria University, Architecture Engineering; Alexandria, Egypt ** University of Jordan, Architecture Engineering; Amman, Jordan</p>	
Presentations marked with 🏆 are reviewed papers.		

MONDAY

TUESDAY

WEDNESDAY



**SHAPING URBAN CHANGE
LIVABLE CITY REGIONS
FOR THE 21ST CENTURY**



**Is this the Real World?
Perfect Smart Cities
vs.
Real Emotional Cities**



2022: Mobility, Knowledge and Innovation Hubs in Urban and Regional Development

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2019: Is this the Real World? “Perfect Smart Cities” vs. “Real Emotional Cities”

2018: Expanding Cities – Diminishing Space

2017: Panta Rhei – a World in Constant Motion

2016: Smart Me Up! How to become and how to stay a Smart City, and does this improve quality of life?

2015: Plan Together – Right Now – Overall. From Vision to Reality for Vibrant Cities and Regions

2014: Plan it Smart – Clever Solutions for Smart Cities

2013: Planning Times – You better Keep Planning or You get in Deep Water, for the Cities they are A-Changin’

2012: Re-Mixing the City – Towards Sustainability and Resilience?

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