# REAL CORP 2021 **CONFERENCE PROGRAMME**

26th International Conference on Urban Planning and Regional Development in the Information Society GeoMultimedia 2021



## **CITIES 20.50**

CREATING HABITATS FOR THE 3RD MILLENNIUM **SMART – SUSTAINABLE – CLIMATE NEUTRAL** 













= Federal Ministry Republic of Austria Climate Action, Environment, Energy, Mobility, Innovation and Technology

7-10 SEPTEMBER 2021, UNIVERSITY OF NATURAL RESOURCES AND LIFE SCIENCES (BOKU) **VIENNA, AUSTRIA** 

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

WELCOME to REAL CORP 2021, the 26th International Conference on Urban Planning, Regional Development, Information Society and Urban, Transport, and Environmental Technologies!

Urbanisation of the world is progressing rapidly and seems to be an unstoppable process. According to current forecasts, more than 6 billion people will live in cities in 2050. Compared to 1950, this is almost a tenfold increase in 100 years, resulting from global population growth and the continuing influx of people into urban greas. As a rule, population growth also means additional land requirements. Urban growth often takes place across administrative borders. cities grow into their surrounding areas, (cross-border) urban and metropolitan regions emerge and also influence the development of rural areas, where in turn numerous initiatives for independent sustainable development emerge.

This dynamic development is accompanied by enormous challenges for the organisation and maintenance of urban processes. Sustainability, resilience and smartness are essential characteristics of cities and regions and are often compared by means of benchmarks. The key question is how quality of life can be maintained and improved in the face of dynamic development of living space.

Even though the world is currently under the spell of the COVID-19 pandemic,

it is clear that climate and environmental issues will be decisive for urban development in the next decades. Climate adaptation strategies will play a central role, because especially in cities, high density, increasing land sealing, lack of greenery and inadequate ventilation increasingly lead to the formation of urban heat islands and the problem of urban warming.

How can urban and spatial planning and all related disciplines contribute to maintaining urban flows, functioning infrastructure and preserving and improving the quality of life? How can urban and rural living spaces actively cross-fertilise each other's development?

The REAL CORP 2021 call for papers was very broad and invited for contributions from all areas of expertise dealing with cities, regions and spatial development to gain a holistic and multi-faceted view on challenges and future scenarios in the urban realm. Next to science-based contributions we also asked for practise-based reports on short term actions and/or long-term strategies on urban and regional development.

This year's conference also featured some special topics in close co-operation with the respective partners mentioned:

- New Social Housing Urban Climate Adaptation Strategies and Affordability of Life: How can that work? (partner: IBA Vienna)
- EU Mission: Climate Neutral and Smart Cities (partners: BMK, AustriaTech)
- Integrated Spatial and Energy Planning (partner: IRUB/BOKU)
- Cross-Border Spatial Development (partner: RWTH Aachen)
- Emergencies, Disasters, Epidemics and the Big One: Pandemics (coordination: Judith Ryser)
- · Sustainable Urbanisation Global Initiative: Food-Water-Energy Nexus (partners: BOKU Vienna, AIT Austrian Instutite of Technology, HFT - Stuttgart University of Applied Sciences)

And last but not least, REAL CORP 2021 was also host of the first ISOCARP International Regional Event, Alonaside to the annual world congress, ISOCARP is starting to experiment smaller-scale symposia which focus on issues of local importance, and which can be repeated on several occasions throughout the year in different regional and macro-regional contexts.

This year we brought together some 250 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 consisting of CORP association and the Institute of Spatial Planning, Environmental Planning and Land Rearrangement (IRUB) at the University of Natural Resources and Life Sciences. We would like to acknowledge the Reviewer Team and Programme Committee members for their valueable 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 130 scientific papers; more than 100 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 2021. The non-reviewed papers were accepted by the programme committee after a double-blind abstract review.

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

#### **CITIES 20.50**

Creating Habitats for the 3rd Millennium Smart - Sustainable - Climate Neutral





WELCOME



Leonore Gewessler, Vienna, Austria: Federal Minister for Climate Action, Environment, Energy, Mobility, Innovation and Technology

#### Dear honoured experts and planners!

Il appreciate this profound pool of knowledge and expertise gathered in the course of this conference, which is more than welcome and urgently re-

neutrality whilst ensuring a high quality of life.

Innovation and Technology auired to tackle our multi-dimensional challenges in sustainability and climate-

= Federal Ministry

Republic of Austria

Energy, Mobility,

Climate Action, Environment.

You as planning professionals and as planning community will have a key-role in the transformation of our society. High complexity and quick pace of change call for a new understanding of planning beyond traditional skills, tasks and singular disciplines. We need planners as visionaries, enablers for innovation. as intermediaries between different sectors and responsibilities, as coordinators and integrators, as advisors, but also as critical observers and sparing partners to challenge policy and administration.

I am sure that this conference can significantly contribute to the broadening of the knowledge and solution base, foster the exchange of experiences and will allow for joining forces and concerted actions in future planning in Austria and

#### **CONFERENCE MAIN TOPICS**

#### MAIN CONFERENCE TOPICS

- Climate Adaption and Mitigation
- Emergencies, Disasters, Epidemics
- Welfare, Social Justice, Environmental Justice, Spatial Justice
- Innovation and Competitiveness
- Urban Lifestyles
- Real Estate Development and Settlement Patterns
- Transportaion and Mobility
- Public Space, Blue-Green Infrastructure
- Technological Innovation and its Impact on Cities
- Social Innovation
- The Use of Geodata in Planning

#### SPECIAL TOPICS

- The Future of Social Housing Urban Climate Adaptation Strategies and Affordability of Life
- EU Mission: Climate Neutral and Smart Cities
- Integrated Spatial and Energy Planning
- Cross-Border Spatial Development
- Covid-19 Pandemic
- Sustainable Urbanisation Global Initiative: Food-Water-Energy Nexus



#### WELCOME



Gernot Stöglehner, Vienna, Austria; Conference Host, Professor of Spatial Planning Head of the Institute of Spatial Planning, Environmental Planning and Land Rearrangement at BOKU Vienna

#### Dear Participants of REAL CORP 2021.

a warm welcome at BOKU University, either virtually or in real! We are in a time of disrutpions. The climate crises enters our daily lives. Storms, heavy rain, floodings, drought, heat, forest and bush fires, the news are full of such events, making the necessity of climate protection clear to everyone, but also mitigation must be planned.

At the same time we still are in the middle of a pandemia, and coping strategies open a window in a digital future. Digitalisation only starts with the broadband infrastructure, and will impose major changes to the ways we work and we organize our daily lives. In a study at my Institute we combined major studies about change in working procedures with the local labour markets on a municipality base. We found out, that up to 70% (!) of all work that now provides income to the people will be substituted by computers and machines.

Urban areas are a bit less hit by this transformation than rural areas, but on national average about 56% of all activities that provide income now might be substituted. This change is massive and can hopefully be utilized to create more jobs that consume less resources. And this transformation will change the way how we utilize space, whit major impacts on urban and regional planning. This transformation also offers opportunities to turn towards new planning solutions: CREATING HABITATS FOR THE 3<sup>80</sup> MILLENNIUM SMART – SUSTAINABLE – CLI-

MATE NEUTRAL. Therefore, I wish the conference participants many interesting new insights, fruitful discussions, and I hope you have a good time in Vienna with new chances to meet people at CORP!

Welcome to Vienna!

Prof. Gernot Stöglehner and the whole IRUB/BOKU team

#### NSTITUTE OF IRIJB <sup>o</sup> SPATIAL PLANNING University of Natural Resources Quality Aspects in Spatial Planning and Life Sciences, Vienna Spatial Planning and Infrastructure Department of Landscape, Spatial and Infrastructure Sciences Spatial Planning in Natural Hazard Risk Management Resilience and Sustainability in Spatial Planning Institute of Spatial Planning, Participatory Planning **Environmental Planning and** Land Rearrangement (IRUB) Spatial Planning and Bioeconomy Integrated Spatial and Energy Planning Spatial Planning and Demographic Change ENVIRONMENTAL PLANNING Environmental Impact Assessments C Ecological Footprint Green Infrastructure LAND REARRANGEMENT Rural Land Rearrangement Land Rearrangement for Public Projects SUSTAINABLE ARCHITECTURE **AND URBAN PLANNING** Energy and Resource Efficiency in Buildings, Districts and Cities Passive Design and Integration of Advanced Energy

### **CITIES 20.50**

Creating Habitats for the 3rd Millennium Smart – Sustainable – Climate Neutral





WELCOME



Hubert Hasenauer, Vienna, Austria; Rector of BOKU Vienna Professor of Forest Ecosystem Management

#### Dear Participants of REAL CORP 2021.

a warm welcome at the  $26^{\rm th}$  REAL CORP, one of the major conferences in Europe on urban planning and regional development of our society. The University of Natural Resources and Life Sciences (BOKU) with about 2,900 faculty and staff members and 11,000 students, is strongly committed to sustainable development according to the UN sustainable development goals. In our research, teaching and third mission, we integrate sustainable development by managing natural resources and biodiversity as well as the environmental planning for cities and regions including their infrastructure.

With about 1,100 SCI publications annually and around 1,000 ongoing research projects, our research is well perceived within the scientific community and fundamental for our 7 bachelor, 27 master and 9 doctoral programsme. BOKU's 15 departments cover all aspects of sustainable transition including the planning and design of living spaces; the production and utilization of (renewable) raw materials; technological, environmental, social and economic aspects up to impact assessment; the protection of biodiversity, soil, water, climate and landscape as well as resource recovery with respect to circular economy.

The conference topic "Creating habitats for the 3<sup>rd</sup> millennium – smart – sustainable – climate neutral" covers key BOKU competences in research, teaching and societal engagement. It fits perfect to one of the current key policy fields "Fit for 55" proposed by the European Union. I thank the organisers as well as the sponsors for making this meeting possible and wish all of you an inspiring conference with exciting days in Vienna.

With kind regards, Univ.Prof. Dr. DDr.h.c. Hubert Hasenquer

#### **REAL CORP SINCE 1996**

















2020: Shaping Urban Change – Livable City Regions for the 21st Century

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?

2011: Change for Stability - Lifecycles of Cities and Regions

2010: Cities for Everyone – Liveable, Healthy, Prosperous

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All conference topics, all conference papers since 1996 available free of charge at www.corp.at





## REAL CORP 2021

#### WELCOME



Pietro Elisei, Bucharest, Romania Managing Director of URBASOFIA, ISOCARP President-Elect

#### Dear participants of REAL CORP 2021,

the REAL CORP international conference organised annually is the ideal location and context to launch this new congress format promoted by ISOCARP: The IRE (Isocarp Regional Event).

The REAL CORP event has always promoted innovative issues in the context of discussions inherent to urban planning and policies, but also with reference to the tools and technologies inherent to the profession of urban planner.

IRE # 1, to be held in Vienna, is the first of a series of experiences realized through this new and innovative ISOCARP tool for meeting and exchange ideas between professionals in urban planning. A symposium among experts that aims to bring global issues closer to specific macro-regional contexts: On the occasion of this first IRE we start from the macro-regional context of Europe, the next ones will address other macro-regions of the world.

The IRE combines global considerations with the local context, associating "macro" reflections, policies and strategies, with the implementation context and practices (plans and tools): The needs of the "micro".

These are the three main topics that will be addressed together in the symposium:

- Designing and planning the post-pandemic city. Which planning contexts have priority? How to design hybrid models (places, functions, governance models, city platforms...) for planning the post covid city? How to make paths of urban innovation sustainable?
- Nature Based Solutions as a way to shape a sustainable future for our cities. How to make theme effective to promote sustainable urban development and launching coherent and stable processes of urban regeneration?
- Culture and Culture Heritage (C&CH) can make the difference in the transition towards the "New Normal". How do can
  culture and C&CH can promote new sustainable economies in the city? How to place cultural heritage in the context of
  current urban policies? What is the role of local communities? How to harmonise, protect, use and enhance the cultural
  heritage in the contemporary city?

The symposium will give space to discussion and discussion between the participants involved and important international guests who will hold keynote speeches and moderate the round tables where the topics addressed in the various presentations will be deepened.

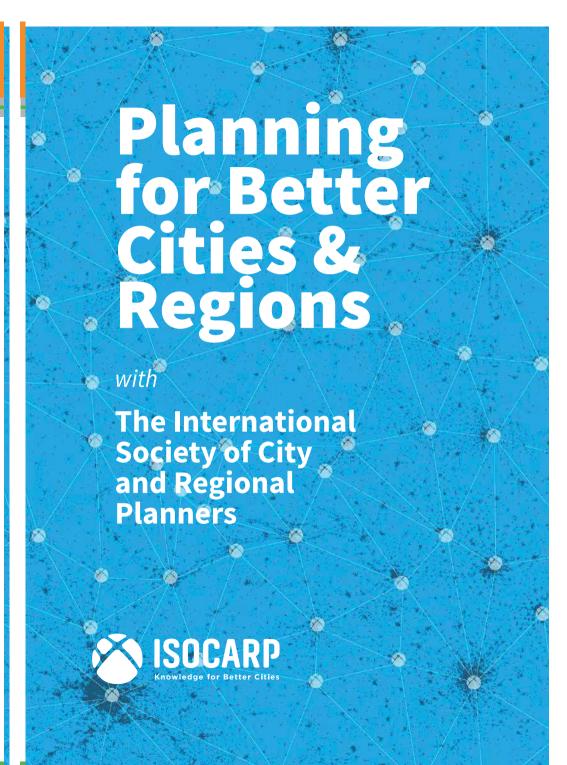
Welcome to ISOCARP IRE #1 @ REAL CORP 2021!



Our live conference guide has the answer!



live.corp.at



## **REAL CORP 2021**

#### **KEYNOTE AND INVITED SPEAKERS**



ernot Stöglehner is full professor for spatial planning at BOKU, Head of the Institute of Spatial Planning, Environmental Planning and Land Rearrangement, and coordinator of the BOKU Energy Cluster (a network of 21 BOKU institutes engaged in energy research). He has a considerable record of publications and extensive experience in managing and leading research projects including the fields of sustainable spatial planning and development, integrated spatial and energy planning, integrated spatial and transport planning, environmental assessments, strategic spatial and environmental planning, development of planning methods and planning tools, planning theory and quality of planning, as well as shaping the 3<sup>rd</sup> mission of universities including further education.

Gernot Stöglehner, Vienna, AT; Head of the Institute of Spatial Planning, Environmental Planning and Land Rearrangement (BOKU)



anfred Schrenk studied spatial planning and regional science at Vienna University of Technology where he extensively worked on urban and transport planning. His fields of special fisation are urban planning and spatial development in information and knowledge society, mobility and transport planning, international urban development, urban, transport and environmental technologies, GIS and planning technologies. He is organiser of the annual international CORP conferences since foundation in 1996. He has been Vice President Events & Treasurer ISOCARP (International Society of City and Regional Planners), board member ÖGR (Austrian Society of Spatial Planning), and Deputy President AGEO (Austrian Umbrella Organisation for Geoinformation). He is currently Chairman of CORP (Competence Center for Urban and Regional Planning) and Lecturer at TU Wien, Institute of Spatial Planning.

Manfred Schrenk, Vienna, Austria: Conference Director, Chairman CORP, Lecturer TU Wien, Researcher BOKU



Pietro Elisei is an experienced urban and regional planner skilled in sustainable development, strategic planning, urban planning, feasibility studiesand policy design (focus urban regeneration, urban poverty and strategic planning). He is a strong cities related business development professional, graduated from University of Rome La Sapienza, doctorate in urban policy design from University of Roma 3 and post-doc activities from both Roma 3 and University of Roma 2 (Tor Vergata). Currently he is managing director of Urbasofia, a Romanian Company focusing on urban and regional planning topic based in Bucharest and mainly working at EU scale (expertise for EU Territorial Cohesion Policy); special geographical focus is the Danube area and South-Eastern Europe. He has been European Commission UIA (Urban Innovative Actions) expert, European Commission URBACT expert, former plannum.net Secretary General and ISOCARP President-Elect.

Pietro Elisei, Bucharest, Romania; Managing Director of URBASOFIA, ISOCARP President-Elect



iebke Pankauke is deputy Head of Unit for Future Urban and Mobility Systems in the European Commission's department for research and innovation (DG RTD). The unit's aim is to help accelerate the transition towards low-carbon, low- and zero pollution and resource-efficient European cities and land mobility systems for a cleaner planet. This includes the Climate-Neutral and Smart Cities Mission and a number of European partnerships on transport and urban development. Before joining DG RTD in May 2021, Wiebke was deputy Head of Unit for road safety in the Commission's department for transport (DG MOVE). Her previous experience includes work as communication officer in DG MOVE, as policy officer dealing with administrative cooperation in the department for the internal market (ex-DG MARKT) and as a newspaper journalist in Germany. Wiebke studied journalism and European law in Dortmund (Germany), Stockholm and Edinburgh.

Wiebke Pankauke, Brussels, Belgium; European Commission, Directorate General for Research and Innovation

#### **CITIES 20.50**

Creating Habitats for the 3rd Millennium
Smart – Sustainable – Climate Neutral

### 7-10 September 2021



#### **KEYNOTE AND INVITED SPEAKERS**



Ifonso Vegara has a PhD in City and Regional Planning and degrees in Architecture, Economics, and Sociology. He was President of ISOCARP. He is a Fellow and Trustee of the Eisenhower Fellowships, and since 2005, he is Honorary Consul General of Singapore in Madrid. Alfonso Vegara has been lecturing Urbanism at the Escuela Técnica Superior de Arquitectura de Madrid, Universidad de Navarra, and Universidad CEU San Pablo. He was also a visiting scholar at the School of Design of the University of Pennsylvania and Advisor of ETH Zurich Polytechnic. His ideas and projects have been disseminated through more than 30 books and conferences all over the world. Alfonso Vegara is the Founder and Honorary President of Fundacion Metropoli, an international center of excellence dedicated to research, design, and innovation in cities ground the world.

Alfonso Vegara, Madrid, Spain; Founder and Honorary President of Fundacion Metropoli



Normal Sergheim is director of R&D at Asplan Viak Digital services, one of the leading consultancy houses in Norway and has been contributing to societal development in Norway and abroad since its inception in 1958. He studied landscape management, spatial planning and GIS at Sogn & Fjordane University College and from there proceeded to introduce GIS at the regional planning department of Sogn & Fjordane County. In 2001 Bergheim co-founded the company that today is Asplan Viak Digital Services to bring spatial web technologies to the Norwegian market. From 2008 Bergheim turned his interest to applied GIS in spatial planning and urban development both in the EU and beyond. Presently, Bergheim resides in Brussels where he fronts Asplan Viak's EU project portfolio. His key interests are to be found in the gap between technical and non-technical mindsets. Runar is a frequent speaker at national and international conferences and events.

Runar Bergheim, Brussels, Belgium; Director Research and Development of Asplan Viak Digital Services



Petra (Stieninger) Hurtado is Research Director at the American Planning Association, heading APA's research programmes and foresight practice. In this role, she is responsible for expanding a future-focused research agenda and advancing planning practices that assist communities in navigating change. Her areas of expertise and research include urban sustainability, smart cities, emerging technologies, nature-based solutions, and environmental psychology. Prior to joining APA, she worked as an advisor, planner, researcher, and educator in the global urban sustainability arean. She has a PhD in urban planning from TU Wien, where she teaches on urban sustainability and environmental psychology. She has been guest lecturer at Harvard GSD, Loyola University Chicago, and Universidad Tecnologica de Bolivar, Colombia. Petra has authored and co-authored multiple books, research papers, publicly funded reports, and articles and has presented at numerous conferences worldwide.

Petra Hurtado, Chicago, USA; Research Director of the American Planning Association



Simon Tschannett and two other meteorologists jointly founded the company "Weatherpark GmbH – meteorological research and services" in 2005. The company specialises in the topics of microclimate, summer comfort and wind comfort. Cities, urban planners, real estate developers, architects and property developers are advised, meteorological simulations are carried out and existing and planned projects are analysed. As a climate expert, he was appointed to the Vienna Climate Council in 2019 where he advises the city of Vienna on the topic of climate change adaptation. In 2020, he was appointed to the Climate Council of the city of Linz. He is also in demand as speaker and lecturer at universities. In 2020, he took over the function of deputy treasurer on the board of the CCCA. From 2003 to 2007, he was a research assistant at the Institute of Meteorology at the University of Vienna, where he completed his degree in meteorology in 2003.

Simon Tschannett, Vienna, AT; Weatherpark GmbH, Member of Vienna Climate Council



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## **REAL CORP 2021**

SPECIAL TOPICS

Urban Climate Adaptation Strategies and Affordability of Life: How can that work? 9 September, 09:30-11:00, Auditorium 2 & 14:00-16:00, Auditorium 3



The International Building Exhibition The International Building Exhibition

IBA\_Vienna 2022 - New Social Housing is Neures dealing with innovations and new approaches to meet the challenges of our time. The effects of alobal developments such as climate change are affecting everyone. At the same time, the conditions of our everyday lives are changing rapidly and are showing noticeable impacts on many areas of social coexistence. All this requires special and novel solutions for

Putting climate adaptation measurements in the context of social housing requires dealing with various topics: affordability and social aspects regarding development of new neighbourhoods, but also the refurbishment of the existing housing stock. Furthermore a closer look into the possible compatibility of ecological building methods. planning tools, energy conversation and CO<sub>2</sub> neutrality in the context of social housing need to be considered.

The core aspects of this special topic are:

- Affordability and social aspects of climate adaptation
- Affordability and ecological building methods
- City in climate change and planning tools
- Affordability and energy supply
- CO<sub>2</sub> neutrality in development of existing city





mila Širbegović is an architect and urban researcher. She works, researches and te-A aches at the interface between urban planning, migration and space production. As part of IBA\_Vienna team she manages IBA candidates projects, mainly focussing on sustainable neighbourhood development and climate adaptation projects. In the course of her almost ten years of work at an urban renewal office, she initiated numerous participatory projects in public space. Before that she agined professional experience in various Viennese architectural offices.

Amila Širbegović, Vienna, AT; IBA VIENNA – New Social Housing – International Building Exhibition Vienna 2022



Furt Hofstetter, born in the year 1963, is a graduate of the University of Natural Resources and Applied Life Sciences in Vienna. As an employee of the City of Vienna since 1991, he has been involved in various functions in questions of urban development and city planning, including as head of zoning and development planning for the North-East of Vienna and as head of landscape planning for Vienna. From 2003 to 2015 he was significantly involved in the urban development of the Urban Lakeside City Aspern in Vienna, last as employee of the development company Vienna 3420 Aspern Development AG within the scope of quality assurance and concrete project implementation. Since 2016 he has been responsible for the coordination of IBA\_Wien 2022 "New Social Housing", which he has been leading since 2018.

Kurt Hofstetter, Vienna, AT: Coordinator of IBA Vienna 2022

#### **CITIES 20.50**

Creating Habitats for the 3rd Millennium Smart - Sustainable - Climate Neutral

### 7-10 September 2021



**SPECIAL TOPICS** 

#### Planning for Post-Pandemic Sustainable Cities 16 September 2020, 09:30-16:00, Auditorium 3

"In the framework of response and recovery, there is a large difference between the terms emergency and disaster. An emergency is an event that can be responded to using the resources available at hand, implying that there is no need to request external assistance. A disaster, on the other hand, is characterised by impacts that overwhelm the capacities of local responders and place demands on resources which are not available locally. Hence, an event is declared as a "disaster" when there is a need for external assistance to cope with its impacts. A national government declares a state of disaster or national calamity as a way to request international humanitarian assistance and the support of the international community to cope with the impacts of the disaster." (Emergency and Disaster Management | UN-SPIDER Knowledge Portal (un-spider.org))

Emergencies, disasters, diseases are happening all the time, natural ones and human made ones. They cause a lot of trouble for those that are hit, but usually such "events" have a limited geographical outreach and intensity of impacts.

As tragic as the effects may be for those affected, it is usually possible to overcome the corresponding crises by bundling resources and external help and return to a "normal life" after a foreseeable period.

What we have seen during the last year with this global pandemic is unprecedented in recent history. In 2020 the COVID-19 pandemic unsettled life profoundly worldwide. First there was hope that all the troubles would be over after a few weeks, then months; then during summer 2020 we had to face the reality that we would still be in the midst of this pandemic in 2021 and not know how long it would last and what impacts it will have in the end. There is talk of a "new normality" to which we would have to get used.

Many economic sectors are hit very hard, i. e. the travel industry, gastronomy, hospitality, culture ... - how to get out of the current unbegrable situation?

How do these dramatic events impact life and development in cities and regions? Which changes are temporary, which will remain? What does the current situation mean for international travel and exchange, how about the impacts on globalisation?



ualified 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.

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



orn and educated in Argentina as architect, she currently lives in Madrid, Spain. Her academic background includes several degrees: PhD, MSc and various Diplomas on City and Regional Planning. She has a long experience as a university lecturer and as a professional she has participated in the drafting of many regional, municipal and special plans. She is the author of numerous books and articles on urban and regional planning and sustainable urban desian.

Teresa Franchini, Madrid,, Spain; Temanova





## **REAL CORP 2021**

#### **KEYNOTE AND INVITED SPEAKERS**



abina Leopa is an urban and regional planner and the deputy director of URBASOFIA, Romania. She is member of several professional associations, including vice president of the Romanian Professional Association of Urban Planners, national delegation member of ISOCARP and URBACT Expert for Local Governance and Integrated Development, Sabina is also a teaching assistant at the Ion Mincu University for Architecture and Planning in Bucharest, Romania. Her core foci are transnational and research and development projects, where she works on topics related to sustainable urban-rural development, nature-based solutions and smart cities, while also consulting for integrated urban development for cities and metropolitan areas.

Sabina Leopa, Bucharest, Romania; Urban and Regional Planner, Deputy Director of URBASOFIA



Piotr Lorens is an architect and urban planner, full professor, and Head of the Department of Urban Design and Regional Planning at Gdańsk University of Technology, and since April 2021 Gdańsk City Architect. His professional interests include urban design and development issues with a special focus on the regeneration of distressed sites. He was involved in planning of numerous urban regeneration schemes and the transformation of the Gdańsk waterfront. Piotr is also serving as consultant and expert in numerous planning and development projects, including governments' appointments. His research issues include also dealing with local identity and heritage within the urban transformation processes, shaping urban public spaces systems as well as dealing with social, economic, and legal aspects of urban transformation. Besides academic and professional appointments, Piotr is also active member of Society of Polish Town Planners (2015–2018 – President, currently – Chairman of the Society Board).

Piotr Lorens, Gdańsk, Poland; Professor and Head of the Department of Urban Desian and Regional Planning at Gdańsk University



lena Batunova is senior researcher at the RWTH Aachen University in Germany, an urban and reagional planner. She holds a PhD in Urban Planning, Design, and Policy from the Polytechnic University of Milan in Italy that included periods spent studying and researching abroad at the Leibniz Institute for Regional Geography in Leipzig, Germany and KU Leuven in Belgium. Elena's research interests and project activities include urban shrinkage, post-socialist cities, small and medium-sized cities, urban governance, urban planning, and institutional practises of built heritage preservation and use. She had a leading role in several national and international research projects in urban shrinkage, heritage protection, innovations in urban planning, and mega-events impact on local development.

Elena Batunova, Aachen, Germany; RWTH Aachen, Senior Researcher



rank D'Hondt is founding member and director of the Territorial Capital Institute, a knowledge-based platform to exchange theory and praxis of integrated territorial development and place-making, drawing upon his experiences on localising the New Urban Agenda and the International Guidelines on Urban and Territorial Planning. Frank has worked 15 years in the European Union, mainly on cross-border and transnational planning issues, followed by another 15 years outside the EU, including Kosovo, Palestine, Nepal, Afghanistan, Arab Emirates, Kenya, Myanmar, China, Japan, the Caribbean, Timor-Leste, The Gambia and Somalia. Frank is specialised in national urban policy, metropolitan planning, post-conflict/disaster planning and participatory visioning and placemaking. With UN-Habitat, Frank published a book on 'Visioning as Participatory Planning Method' and drafted the handbook for the implementation of the International Guidelines on Urban and Territorial Planning (IGUTP).

Frank D'Hondt, The Hague, NL; Secretary General ISOCARP – International Society of City and Regional Planners

#### **CITIES 20.50**

Creating Habitats for the 3rd Millennium Smart – Sustainable – Climate Neutral

### 7-10 September 2021



#### **KEYNOTE AND INVITED SPEAKERS**

## ISOCARP International Regional Event #1 7 September, 16:30–18:30, Grand Hall & 8 September, all day, Auditorium 5



IRE # 1 is the first of a series of experiences realized through this new ISOCARP tool for meeting and exchange ideas between professionals in urban planning. A symposium among experts that aims to bring global issues closer to specific macro-regional contexts: On the occasion of this first IRE we start from the macro-regional context of Europe, the next ones will address other macro-regions of the world. The IRE combines global considerations with the local context, associating "macro" reflections, policies and strategies, with the implementation context and practices (plans and tools): The needs of the "micro".

- Designing and planning the post-pandemic city. Which planning contexts have priority? How to design hybrid models (places, functions, governance models, city platforms...) for planning the post covid city? How to make paths of urban innovation systematics.
- Nature Based Solutions as a way to shape a sustainable future for our cities. How to make theme effective to promote sustainable urban development and launchina coherent and stable processes of urban regeneration?
- Culture and Culture Heritage (C&CH) can make the difference in the transition towards the "New Normal". How do can culture and C&CH can promote new sustainable economies in the city? How to place cultural heritage in the context of current urban policies? What is the role of local communities? How to harmonise, protect, use and enhance the cultural heritage in the contemporary city?

Additionally, a special consideration that takes us to the heart of the problems of EU contemporaneity: What does cross border planning mean in theoretically borderless territories (Schengen Area)? This last special session, coordinated by ISOCARP SG Frank D'hondt, invites planners to exchange and discuss recent practices and research to overcome and prevent negative externalities of national borders on any kind of cross-border and transnational urban area. The session will provide a good opportunity to learn from and exchange ideas on the particular case of the so-called Eurodelta – the potential 40 million transnational and polycentric megalopolis comprised of the nearly contiguous urban area of the Low Countries (BeNeLux), Western Germany, Northern France and even across the channel towards the Thames Gateway. Discussions can focus on both the internal territorial cohesion and collaboration, as well on the global benchmarking and exchange with other megalopolises in mainly Asia and America, bearing the potential to explore 'planning the future megalopolises'.



aniela Patti is an Italian and British architect and planner. She has studied in Rome, London, Porto and Vienna. She worked as a researcher at the Central European Institute of Technology 2010–2014, where she was responsible for European research projects within the Smart Cities strand and urban regeneration. Additionally she has been guest lecturer in the University of Roma Tre, Tor Vergata and Universidad de Buenos Aires. Since 2012, Daniela is Board Member of the Wonderland Platform for European Architecture. She is Lead Expert in the URBACT network Interactive Cities exploring with 12 European cities how social media can improve urban governance. Her recent research and projects focus on the governance of peri-urban landscape, the revitalisation of local food markets and new economic models for urban development. Currently she is Managing Director of Eutropian.

Daniela Patti, Vienna, AT; Eutropian GmbH



Pietro L. Verga is an international expert and advisor in local development and nature-based solutions with a decade of educational and professional experiences in Italy, Romania, Germany, Belgium and the USA. He holds a PhD in Urban Studies from Gran Sasso Science Institute and Scuola Superiore Sant'Anna di Pisa. Pietro L. Verga's most recent work includes local and community development strategies, nature-based regeneration approaches, circular ecosystems, and innovative urban regeneration governance instruments. Pietro is currently working as Project Manager for SPIRE Baia Mare, as UIA Expert for AIR-BREAK Ferrara, and as Project Officer for CENTRINNO at the Municipality of Milan.

Pietro L. Verga; EC UIA Expert Air-Break Ferrara; EC URBACT Expert; Urbasofia



## **REAL CORP 2021**

#### SPECIAL TOPICS



hrista Reicher is Professor for Urban Design and Director of the Institute for Urban Design and European Urbanism at RWTH Aachen since 2018. From 2002 to 2018 she was Head of Department of Urban Design and Land Use Planning at TU Dortmund and from 1998 to 2002 Professor for Urban Design at Bochum University of Applied Science. From 2010 to 2016 she was chairperson of the Scientific Board of the Federal Institute for Research on Building, Urban Affairs and Spatial Development. Since 2014 she has been speaker of the Graduate School "Energy Efficiency in the Quarter", an interdisciplinary PhD college in which 12 doctoral students conduct research on creative, technical and social topics relating to the future of the city and the neighbourhood. She has been a member of various advisory boards: Baukollegium Zürich (2010-2014), Baukollegium Berlin (2012-2017), design board of the city of Dortmund (since 2004) and the advisory council of Seestadt Aspern in Vienna (since 2014).

Christa Reicher, Aachen, DE; RWTH Aachen, Professor and Head of Chair and Institute for Urban Design



Barbara Smetschka, Dr. in "Social Ecology" and master in "Social Anthropology", is deputy director of the Institute of Social Ecology, University of Natural Resources & Life Sciences, Vienna (BOKU). Her focus in research and teaching at the Institute of Social Ecology lies on topics including sustainable urban development, time-use studies, participatory research, inter- and transdisciplinary research, and gender and sustainability research. Systemic approaches to understand the interaction between social and natural systems including diverse disciplines and groups of stakeholders are at the core of socio-ecological research. She has many years of experience as a social scientist in (inter)national, inter- and transdisciplinary research projects with expertise on the social challenges of sustainable urban development, time-use studies and stakeholder involvement.

Barbara Smetschka, Vienna, AT; BOKU Vienna, Institute of Social Ecology (SEC)



First Gebetsroither-Geringer has been working as scientist at AIT since 1999. In his PhD studies he focused on the combination of multi-agent systems and system dynamics modelling (2007-2010). He has about 15 years of experience in modelling and simulation and works as a lecturer his field at the University Vienna. He also has expertise in renewable energy systems. During his working experience at the AIT he also established emission projections and projects developing measures for mitigation of greenhouse gases. He was responsible for the development of the model integration within the Austrian Carbon Balance Project. 2007-2008 he was funded to work on Agent-based Simulation at Universidad Autónoma de Barcelona. 2007-2009 he was lecturer at the University of Applied Sciences Technikum Wien. In recent years, one of his main areas of work has been the development of web applications for the collection, analysis and visualisation of spatial data and the support of urban planning processes.

Ernst Gebetsroither-Geringer, Vienna, AT; AIT – Austrian Institute of Technology, Center for Energy



Prof. Dr. Volker Coors studied computer science at TU Darmstadt and received his doctorate in 2003. From 1997 to 2002 he worked at the Fraunhofer Institute for Computer Graphics Research, interrupted by a stay abroad in 2001 as a DAAD scholarship holder in the USA. Since September 2002, Volker Coors has been Professor of Computer Science at the Stuttgart University of Applied Sciences. His research focuses on 3D geodata infrastructures and the visualisation of spatial data. He represents the Fraunhofer-Gesellschaft as a voting member in the CityGML Standard Working Group and represents the OGC in the Web3D consortium. He is a member of the Gesellschaft für Informatik, the InGeoForum and a founding member of the joint commission "3D City Models" of the Deutsche Gesellschaft für Kartographie and the German Society for Photogrammetry, Remote Sensing and Geoinformation and German representative of the Urban Data Management Society.

Volker Coors, Stuttgart, DE; Hochschule für Technik (HFT) Stuttgart

#### **CITIES 20.50**

Creating Habitats for the 3rd Millennium
Smart – Sustainable – Climate Neutral

### 7-10 September 2021



SPECIAL TOPICS

## Cross-Border Spatial Development 9 September, 09:30-11:00, Auditorium 1

städtebau



Spatial development does not stop with (administrative) borders. Climate action, energy, infrastructure, mobility, economy, health, housing and construction issues affect local, regional and national levels and they require integrated and multidimensional responses and approaches. The know-how, gained from projects and planning processes so far, plays a central role in the concretization and implementation of new international standards.

The debate about "regional urban design" and a real "regionalization of urban development" is also becoming more relevant. Innovative spatial development concepts have been launched in the form of numerous city-region alliances, for instance, the REGIONALS in North Rhine-Westphalia and the first German agglomeration concept. Furthermore, the transformation process in the Rhenish lignite mining region also shows that "regional urban design" is becoming more relevant, especially by suggesting a cross-border perspective.

Within the framework of the Revierknoten Raum, the economic and structural program Rheinisches Zukunftsrevier and the spatial strategy Zuid-Limburg in the euregional context, the Chair and Institute of Urban Design at RWTH Aachen University is working on innovative and informal planning instruments that may have a perspective influence on formal planning in North Rhine-Westpholia.

The special session **Cross-Border Spatial Development** called for papers that present projects and schemes that relate to cross-border spatial cooperation and introduce new methods, approaches and strategies.

#### Key questions:

- What does cross-border spatial development look like in the context of different planning systems?
- What cultural and linguistic challenges, opportunities and barriers does cross-border spatial development entail?
- Which social, economic and environmental challenges of the 21st century can only be addressed in a cross-border way and which approaches exist here?
- How do European examples compare to global ones?

## Food-Water-Energy Nexus 9 September, 11:30-18:00, Auditorium 1

The interactions between food, water and energy are of paramount interest to policy, science and the society at large, today and in the upcoming decades. Challenges connected with population increase and food shortages, scarce water and insufficient energy resources demand solutions. The Sustainable Urbanisation Global Initiative (SUGI)/Food-Water-Energy Nexus called for projects to find innovative new solutions to the Food-Water-Energy Nexus challenge with the ultimate goal to increase the access and the quality of life, see https://ipi-urbaneurope.eu/calls/sugi/

International SUGI FWE projects are invited to present their approaches and results. We further invite other contributions on the topics of the Food-Water-Energy Nexus in sustainable urban development. We would like to discuss the potentials and constraints the nexus approach poses and to address further research demands.





Hochschule für Technik Stuttgart





#### **SPECIAL TOPICS**

#### EU Mission: Climate Neutral and Smart Cities 8 September, 09:30–16:00, Auditorium 1

Mitigating and adapting to the effects of climate change is the biggest challenge of the coming decades, while time is running out. Cities will play a central role in this transformation process, as they account for 75 % of the EU's population on only 3 % of the land area and 72 % of all greenhouse gas emissions.

The European Climate Neutral and Smart Cities (CNSC) mission – from the EU's Horizon Europe research framework programme – aims to have 100 flagship cities or neighbourhoods from (as far as possible) all member countries become climate neutral by 2030. The mission is based on a transformative (governance) approach from the field of innovation that links all relevant policy areas (including buildings, mobility, energy, environment) and goes beyond urban administrative boundaries. Central to this is the involvement and cooperation with actors from business, research and civil society, politics and administration, in order to be able to tackle problems that cannot be solved with existing mechanisms. The mission thus brings with it the necessary "gamechanging potential" for the challenge of the energy and mobility transition. It will be a central element in realising the Green Deal in the European Union and in achieving government objectives, such as the Austrian goal of climate neutrality in 2040.

The Federal Ministry for Climate Protection (BMK) has already taken initial preparatory measures to support Austrian cities in preparing to participate in the CNSC mission and to build up the necessary knowledge pool for transformation processes. Similar activities are currently being prepared or implemented in other countries. REAL CORP 2021 is supported by the BMK

and AustriaTech and will serve as a forum to exchange first experiences on CNSC, to make the knowledge of the planning community available for the mission and to forge new national and international cooperations on climateneutral cities in research and practice.

Federal Ministry
Republic of Austria
Climate Action, Environment,
Energy, Mobility,
Innovation and Technology



## Integrated Spatial and Energy Planning 8 September, 11:30–13:00, Auditorium 2 & 16:30–18:00, Auditorium 1

Integrated spatial and energy planning is more important than ever. Understanding the spatial dimensions of energy supply and consumption is essential to meeting international climate protection goals. Not only the individual building can be planned and realized in an energy-efficient way, but also entire settlements and respective spatial structures can contribute significantly to reducing energy consumption in the context of mixed use, settlement density, compactness and short distances. The same considerations can also be applied to site planning and securing the location of energy infrastructure (generation, distribution, storage).

Which areas are suitable for the provision of renewable energy sources, what challenges with other land uses may arise? What economic factors are crucial in phasing out the use of fossil energy reserves? How can opportunities, resulting from sustainable energy provision, be used for the development of urban and rural regions and their interrelations?

#### Keywords:

- integrated spatial and energy planning
- scarcity of resources, land use conflicts around the energy transition
- low-energy and plus-energy urban neighbourhoods/districts
- reorganizing mobility, walkability, bikeability, public transport
- different sources of renewable energy, impact appraisal of RES
- local and regional energy systems
- preservation and development of carbon sinks = quantitative soil protection
- Just Energy Transition
- Environmental Justice in relation to energy transition



#### **CITIES 20.50**

Creating Habitats for the 3rd Millennium
Smart – Sustainable – Climate Neutral

### 7-10 September 2021



#### **CONFERENCE TIMELINE**

#### Tuesday, 7 September 2021

Auditorium 1	Auditorium 2	Auditorium 3	Auditorium 4	Grand Hall	
				Welcome	10:00-11:00
				Opening Keynotes	11:00-13:00
	Lunch Break				13:00-14:00
				Opening Keynotes	14:00-16:00
	Break			16:00-16:30	
				ISOCARP IRE #1	16:30-18:30
	afterwa	ırds Snacks, Drinks, Net	working		18:30-20:30

#### Wednesday, 8 September 2021

Auditorium 1	Auditorium 2	Auditorium 3	Auditorium 4	Auditorium 5	
Presentations (EN)	Presentations (DE)	Presentations (EN)	Presentations (EN)	ISOCARP IRE #1	09:30-11:00
	•	Coffee Break			11:00-11:30
Presentations (EN)	Presentations (DE)	Presentations (EN)	Presentations (EN)	ISOCARP IRE #1	11:30-13:00
	Lunch Break				
Special Topics Intro					14:00-14:30
Presentations (EN)	Presentations (EN)	Presentations (EN)	Presentations (EN)	ISOCARP IRE #1	14:30-16:00
	Coffee Break				
Presentations (EN)	Presentations (DE)		Presentations (EN)	ISOCARP IRE #1	16:30-18:00
Individual tra	insfer to city centre, city	tour in historic tramcar	(registration on MY.COF	RP necessary)	from 18:00

#### Thursday, 9 September 2021

Auditorium 1	Auditorium 2	Auditorium 3	Auditorium 4				
Presentations (EN)	Presentations (DE)	Presentations (EN)	Presentations (EN)	0	9:30-11:00		
		Coffee Break		1	1:00-11:30		
Presentations (EN)	Presentations (DE)	Presentations (EN)	Presentations (EN)	1	1:30-13:00		
	Lunch Break 13:00-						
Special Topics Summary	Special Topics Summary 14:00–14:30						
Presentations (EN)	Presentations (DE)	Presentations (EN)	Presentations (EN)	1.	4:30-16:00		
		Coffee Break		1	6:00-16:30		
Presentations (EN)	Presentations (DE)	Presentations (EN)	Presentations (EN)	1	6:30-18:00		
	afterwards Offi	cial Evening Reception o	at BOKU Vienna	fr	rom 18:00		

#### Friday, 10 September 2021

Auditorium 1	Auditorium 2	Auditorium 3				
Presentations (EN)	Presentations (EN)	Presentations (EN)			09:30-11:00	
	Coffee Break					
Presentations (EN)	Presentations (EN)	Presentations (EN)			11:30-13:00	
	REAL CORP Closing: Final Discussion, Conclusion, Outlook					



#### SCHEDULE •

Tueso	lay, 7 September 2	021					
Time		Grand Hall					
TUESDAY WEDNESDAY 11:00-13:00							
11:00- 13:00	Opening Keynotes	s					
		100 Climate Neutral Cities 2030 – By and For the Citizens Wiebke PANKAUKE, European Commission, Directorate General for Research and Innovation					
THURSDAY / FRIDAY		Spatial Planning for the Energy Transition Gernot STÖGLEHNER BOKU Vienna, Inst. of Spatial Planning, Environmental Planning & Land Rearrangement; Vienna, AT Supercities. Territorial Intelligences Alfonso VEGARA, Founder and Honorary President of Fundacion Metropoli; Madrid, Spain Towards the New Planning Doctrine Piotr LORENS, Gdańsk Univ. of Technology, Dept. of Urban Design & Regional Planning; Gdańsk, PL					
13:00- 14:00	Lunch Break						
14:00- 16:00							
		The Ghost of a City Yet to Come Runar BERGHEIM  Asplan Viak Digital Services, Director R&D Brussels, Belgium The Future of Planning Petra HURTADO  American Planning Association, Research Director; Chicago, USA Introduction to Special Topic Planning for Post-Pandemic Sustainable Cities Judith RYSER, Teresa FRANCHINI Introduction to Special Topic Urban Climate Adaptation Strategies and Affordability of Life: How can that work? Kurt HOFSTETTER, Coordinator of IBA_Vienna					
16:00- 16:30	Coffee Break						

## **CITIES 20.50**

Creating Habitats for the 3rd Millennium Smart — Sustainable — Climate Neutral

## 7-10 September 2021



#### **SCHEDULE**

Tuesday, 7 September 2021

Grand Hall	Time
SOCARP International Regional Event #1 @ REAL CORP 2021 Chair: Pietro ELISEI	16:30- 18:30
Keynote Speeches	
Growing New Roots for the City: Nature Based Solutions as the Future of Planning for our Planet	
Sabina LEOPA	
Jrbasofia; Bucharest, Romania	
Housing as Heritage and Heritage as Housing Elena BATUNOVA	
RWTH Aachen/Politecnico di Milano; Aachen, Germany/Milan, Italy	
The Eurodelta Case: The Potential 40 Million Transnational and Polycentric Megalopolis	
Comprised of the Nearly Contiguous Urban Area of the Low Countries (Benelux), Western Germany, Northern France	
Frank D <sup>*</sup> HONDT Secretary General ISOCARP	
fterwards Open Discussion	
ICUCADD	
ISOCARP  Knowledge for Better Cities	
www.isocarp.org	
ofterwards: Snacks, Drinks, Networking	18:30-

#### SCHEDULE

	Wedn	esday, 8 September 2021	
	Time	Auditorium 1	Auditorium 2
	09:30- 11:00	Die EU-Mission für klimaneutrale and intelligente Städte, ihre Ziele & Umsetzung in Österreich Moderation: Mathias MITTEREGGER	Nachhaltige urbane Entwicklung Moderation: Julia NEUSCHMID
TUESDAY \ WEI		Im Zuge der REAL CORP 2021 wurde ein thematischer Schwerpunkt auf die "Cities"-Mission der Europäischen Kommission gesetzt. Die Cities-Mission ist eine von fünf Missionen, die von der Europäischen Kommission kürzlich ins Leben gerufen wurden und verfolgt das Ziel, dass bis zum Jahr 2030 in ganz Europa 100 klimaneutrale Städte bzw. Stadtteile entstehen sollen.	Gründerzeitliche Innenhöfe als Ressource zur Verbesserung des Mikroklimas Petra KUBIN TU Graz; Hart bei Graz, AT
WEDNESDAY / TH		In dieser Diskussionsrunde werden Vertreterinnen und Vertreter aus Politik, Planung und Wissenschaft die grundlegenden Fragestellungen eines solchen ambitionierten Innovationsansatzes vorstellen und reflektieren. Grundlegende Ziele der Mission werden thematisiert, existierende Ansätze zu ihrer	P Nachhaltige urbane Gewerbeflächen – ein internationaler Vergleich Sarah C. SCHREINER Urban Research and Development; Hamburg, DE
THURSDAY / F		werden triematisiert, existierende Ansatze zu infer Erreichung verfolgt, der Beitrag von Innovationen hinterfragt und der aktuelle Prozess in Österreich vorgestellt. Zudem fragen wir, inwieweit sich die Ambition der Cities-Mission mit aktuellen zivilgesell- schaftlichen Forderungen deckt und dem aktuellen Wissensstand der Klimaforschung entspricht.	Change Communication als Instrument für erfolgreiches Anrainermanagement im Rahmen von nachhaltigen Betriebsansiedlungen am Beispiel Oberösterreich Harald JARZOMBEK, Juliane GASSER
FRIDAY		Teilnehmer:	Business Upper Austria – OÖ Wirtschaftsagentur GmbH; Linz. AT
2		Martin RUSS, AustriaTech	LINZ, AT
_		Walter WASNER, Bundesministerium für Klimaschutz, Umwelt, Energie, Mobilität, Innovation und Technologie	Städtische Angsträume – Analyse zur Steigerung der gendergerechten Stadtplanung für mehr Sicherheit bei Nacht
		Michael DINGES, Austrian Institute of Technology	Jennifer KRAUSS*, Edith SCHWIMMER**
		Barbara LAA, TU Wien, Platz für Wien	* Universität Stuttgart IAT, Urban Governance Innovation;
		<b>Calonie ZIMM,</b> IIASA – International Institute for Applied Systems Analysis	Stuttgart, DE  ** Universität Stuttgart IAT, Building Culture Innovation; Stuttgart, DE
		Koordination:	
		Federal Ministry Republic of Austria	Turbane Klimaresilienz hat viele Farben Sascha HENNINGER
		Climate Action, Environment, Energy, Mobility, Innovation and Technology	Technische Universität Kaiserslautern, Fachbereich Raum- und Umweltplanung, Physische Geographie; Kaiserslautern. DE
		austriatech	1, 5
		Mobilität in Bewegung	Presentations marked with * are reviewed papers.
	11:00- 11:30	Coffee Break	

## **CITIES 20.50**

Creating Habitats for the 3rd Millennium Smart – Sustainable – Climate Neutral

## 7-10 September 2021



**SCHEDULE** 

Auditorium 3	Auditorium 4	Wednesday, 8 September 2 Auditorium 5	Time
Planning for Post-Pandemic Sustainable Cities I Chair: Judith RYSER	Improving Mobility Systems I Chair: Piotr LORENS	ISOCARP IRE #1 @ REAL CORP 2021 Chair: Pietro ELISEI	09:30- 11:00
Climate Change and Sustainable Urban Development  I: Global Vision  Introduction Judith RYSER, Teresa FRANCHINI  II: Covid, Urban Space and Social Behaviour  The Effect of the Pandemic of the Use of Public Spaces in Hungary László JÖNA  Közgazdaság- és Regionális Tudományi Kutatóközpont; Budapest, HU  Temporary Urban Pop-Up Environments – Design Requirements and Sustainable Solutions Doris OESTERREICHER*, Stefan GEIER*, Gaetano BERTINO**, Tatjana FISCHER * * BOKU Wien, IRUB; Wien, AT  ** alchemia nova; Wien, AT  III: Covid & Climate Change Categorizing Urban Structural Types using an Object-Based Local Climate Zone Classification Scheme in Medellín, Colombia Marlene KÜHNL*, Marta SAPENA**, Hannes TAUBENBÖCK**  * Company for Remote Sensing and Environmental Research (SLU); München, DE  ** German Aerospace Center (DLR); Wessling, DE	Mobility Measures for Residential Buildings in Urban Areas – a Promising Investment?  J. KROMBACH*, A. WENINGER*, R. GERIKE**, C. KOSZOWSKI**  * Rosinak & Partner; Vienna, AT  ** TU Dresden; Dresden, DE  Seamless Distributed Traffic Monitoring by Distributed Acoustic Sensing (DAS) using existing Fiber Optic Cable Infrastructure  M- LITZENBERGER*, C. CORONEL*, K. BAJIC*, C. WIESMEYR*, H. DÖLLER**, HB. SCHWEIGER**, G. CALBRIS***  * Austr. Inst. of Technology; Wien, AT  ** Dr. Döller Vermessung; Vien, AT  ** Telecommunication and Travel Behaviour of Households in the Rural Areas of Nigeria: Substitution,  Complementarity or Trip Inducement  O. ADERIBIGBE, T. GUMBO,  T. MOYO, S. MBATHA  Univ. of Johannesburg, South Africa  ** ICT Usage to Improve Efficiency in Johannesburg's Public Transportation  System  S. MBATHA, T. GUMBO, O. ONIYA,  T. MOYO  Univ. of Johannesburg, South Africa	KEYNOTE: Open Heritage for Community-Led Local Development Daniela PATTI Eutropian GmbH; Vienna, AT  Designing and Planning the Post-Pandemic City: Delivering Carbon Neutral Cities whilst Transitioning towards the Post-Pandemic "New Normal" David LUDLOW University of the West of England; Bristol, UK  Evidence-based Planning for Effective Governance of the Post-Covid City Blaz BARBORIC Geodetic institute of Slovenia; Ljubljana, Slovenia  Urban Environmental Acupuncture for Sustainable Improvement of Industrial Cities — an Example of Three Cities in Upper Silesia, Poland Michał STANGEL Silesian University of Technology, Faculty of Architecture; Gliwice, Poland  Making the Invisible Visible: Heritage, Commons and Community in Halandri Chiara LUCCHINI*, Alexandra ALEXANDROPOULOU**  * Torino, Italy ** City of Halandri; Halandri, Greece	

Coffee Break

11:00-11:30

#### SCHEDULE

Time	Auditorium 1	Auditorium 2
11:30- 13:00	Cities Taking Action Chair: Maximilian JÄGER	Energieraumplanung und Klimaschutz Moderation: Gernot STÖGLEHNER
TUESDAY   WEDNESDAY   THURSDAY   FRIDAY	Approaches to transformative governance for climate neutrality in European cities  Nine Austrian cities have recently started their projects in "Fit4UrbanMission", a process of mutual learning, defining each their distinct path towards urban climate neutrality. This session brings two of these cities, Graz and Vienna, together with the European frontrunners Leuven and Malmö, to discuss their unique governance and path that they have started to reach their climate goals. We will talk about the importance of courage to experiment, how to define mobilising narratives and creative stakeholder alliances as well as how leveraging local culture is key.  Participants:  Katrien RYCKEN Director Leuven 2030  Thomas DRAGE Climate Change Coordinator of the City of Graz  Jonas KAMLEH Climate Strategist of the City of Malmö  Eva PANGERL (t. b. c.) Project Manager Smart City, City of Vienna  Coordinated by  Federal Ministry Republic of Austria Climate Action, Environment, Energy, Mobility, Innovation and Technology	Y Städtebau und elektrische Speicher – ein Zusammenspiel im Energiequartier Antonia STRATMANN, Jannik WENDORFF, Sarah HERMENS RWTH Aachen University, Institute for Urban Design; Aachen, DE  Y Raumplanerische Steuerungsansätze für Photovoltaik-Freiflächenanlagen Raffael KOSCHER ÖIR GmbH; Vienna, AT  Planungsgrundlagen für das Energie- und Klimakonzept in Niederösterreichs Gemeinden Lore ABART-HERISZT University of Natural Resources and Life Sciences, Institute of Spatial Planning, Environmental Planning and Land Rearrangement; Vienna, AT  Y Regionalplanerische Festlegungen zur Eigenentwicklung und ihr Beitrag zum Klimaschutz Daniela BRIEGEL, Kirsten MANGELS Technische Universität Kaiserslautern, Lehrstuhl Regionalentwicklung und Raumordnung; Kaiserslautern, DE  What's coming up next?  Our live conference guide https://live.corp.at/has the answer

## **CITIES 20.50**

Creating Habitats for the 3rd Millennium Smart – Sustainable – Climate Neutral

## 7-10 September 2021



Auditorium 3	Auditorium 4	Auditorium 5	Time
Planning for Post-Pandemic Sustainable Cities II Chair: Judith RYSER	Improving Mobility Systems II Chair: Linda DÖRRZAPF	ISOCARP IRE #1 @ REAL CORP 2021 Chair: Pietro ELISEI	11:30- 13:00
Planning Tools for With- Covid or Post-Covid Sustainable Cities	Country Roads – Take Me Home?	KEYNOTE: Local Alliances in The Post-Pandemic City: New Behaviors and	
IV: Covid and Applied Technologies	traxventure research gGmbH; Hamburg, DE	Technologies Towards a Better Air Quality for All	
Text-based Discussion Environment using a Discussion Support System Enhances Participants' Engagement at International e-Conference: KICSS 2020 Online Experiment	Quantifying the Benefits of Sustainable Transport for the Urban Economy	Pietro L. VERGA EC UIA Expert Air-Break Ferrara; EC URBACT Expert; Urbasofia  The Conditioned Zoning – an	
J. HAQBEEN*, S. SAHAB**, T. ITO**  Nagoya Inst. of Technology, Dept. of Computer Science; Nagoya, Japan  ** Kyoto University, Department of Social Informatics; Kyoto, Japan	previously ÖBB-Holding and VCÖ, now retired; Wien, AT	Urban Rulebook Towards a Just, Green and Productive City – a Case Study from Vienna Roland KREBS	
Thow COVID Affects Decision Making in Planning? The Use of ICT in Planning Boards' Hearings N. MUALAM Technion – Israel Institute of	Innovative Initiatives Usage to Improve Efficiency in the City of Johannesburg Public Transportation	Superwien urbanism ZT; Vienna, AT  Proximity, Knowledge, just	
Technology; Haifa, Israel  Synthetic and Tangible Agents for an Activity-based Urban Planning Tool A. HÄUSLER*, A. B. JARDIM*, M. MÜH*, A. KONDZIELA** Technische Hochschule Ostwest-	Brightnes RISIMATI*, Trynos GUMBO*, James CHAKWIZIRA** * Univ. of Johannesburg, South Africa ** University of Venda; Thohoyandou, South Africa	Transition: an Urban Innovation Plan for Bologna Giovanni GINOCCHINI, Stefania PAOLAZZI Fondazione Innovazione Urbana; Bologna, Italy	
falen-Lippe, Detmold, DE ** Leibniz Universität Hannover, DE	Mobility Inequality in a Small Town in Central	Struggle for Better Environment in the City –	
V: Covid and the Future  A Prospective Approach for Cities in Transformation: Vision of the Leipzig Charter in the Light of the Covid-19 Experience J. RYSER*, T. FRANCHINI** CityScope Europe; London, UK Madrid, Spain	Poland. The Case Study of Zgierz Bartłomiej OLCZAK Lodz University of Technology, Institute of Architecture and Town Planning; Zgierz, Polska	Actions of Urban Activists in Kraków Katarzyna GORCZYCA Jagiellonian University in Kraków, Institute of Geography and Spatial Management; Kraków, Poland	
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#### SCHEDULE -

Wednesday, 8 September 2021

Time	Auditorium 1	Auditorium 2
14:00- 14:30	Introduction to Special Topics	
	Food-Water-Energy Nexus Barbara SMETSCHKA, BOKU Vienna, AT; Ernst GEBETSI Volker COORS; Hochschule für Technik Stuttgart, DE	ROITHER-GERINGER; AIT – Center for Energy, Vienna, AT
	Cross-Border Spatial Development Christa REICHER, RWTH Aachen, Chair and Institute of U	Irban Design; Aachen, DE
14:30- 16:00	Scientific Perspectives on Transformation Processes for Climate Neutral Cities and Regions Chair: Andrea STICKLER	Technological Innovation and its Impact on Cities Chair: Wolfgang W. WASSERBURGER
	Mobilitätswende in den Köpfen – interdisziplinäre Analyse zur Einleitung von Transformationsprozessen im Verkehrssystem Barbara LAA, Harald FREY, Edeltraud HASELSTEINER, Lisa DANZER, Peter BIEGELBAUER, Thomas FRIESSNEGG Vienna, AT  Smart City Developments in Graz: Coming up against the Limits of Planning Eva SCHWAB, Jennifer FAUSTER, Nina HABE, Martina MAJCEN Graz Technical University, Institute of Urbanism; Graz, AT Together we are Stronger – Examining Thematic and Procedural Entry Points for	<ul> <li>♀ Spatial Navigation Modelling Technology in Urban Planning Project         Alexander KOLONTAY         Genplan Instiyute of Moscow; Moscow, Russia</li> <li>♀ Applying 3D Printing as a New Building Technology: Potentials and Challenges in the Egyptian Context         Amr ALAA EL-DIN, Mohamed IBRAHIM,         Zeyad EL SAYED         Faculty of Engineering, Alexandria University, Department of Architecture and Urban Planning; Alexandria, Egypt         </li> <li>♠ Machine Learning for Land Use</li> </ul>
	Thematic and Procedural Entry Points for Multidisciplinary, Integral Spatial Planning Approaches to Confront Climate Change Alexandra JIRICKA-PÜRRER, Maria JUSCHTEN, Roswitha WEICHSELBAUMER, Florian REINWALD Universität für Bodenkultur; Vienna, AT	Scenarios and Urban Design Daniel PODRASA, Peter ZEILE, Markus NEPPL Karlsruhe Institute of Technology, Neighbourhoodplanning; Karlsruhe, DE
	Popping Up Public Streets – Not for Cars, but for People by Tranformative Approaches Michael Andreas GIESCH, Magdalena SENGER, Wolfgang FISCHER University of Graz, Department of Geography and Regional Science; Graz, AT	The Relationship between Information and Communication Technology and Travel: a Compendium of Literature Oluwayemi-Oniya ADERIBIGBE, Trynos GUMBO, Thembani MOYO, Siphiwe MBATHA University of Johannesburg, Urban and Regional Planning; Johannesburg, South Africa
	Coordinated by  Federal Ministry  Republic of Austria Climate Action, Environment, Energy, Mobility, Innovation and Technology  Mobilitat in Bewegung	Presentations marked with \(\frac{1}{2}\) are reviewed papers.

## **CITIES 20.50**

Creating Habitats for the 3rd Millennium Smart — Sustainable — Climate Neutral

## 7-10 September 2021



Auditorium 2	Auditorium 4	Wednesday, 8 September 2 Auditorium 5	Time
Auditorium 3	Auditorium 4	Auditorium 5	Time
			14:00-
			14:30
Innovative Techniques for Planning	Change of Mahility Infractive	ISOCADD IDE #4 @ DEAL CODD 2024	44.00
With or Post Covid	Change of Mobility Infrastructure Chair: Stefan NETSCH	ISOCARP IRE #1 @ REAL CORP 2021 Chair: Pietro ELISEI	14:30 16:00
Chair: Christian EIZINGER	Ondir. Otelan NETOON	Olian. Fictio Ecioci	
🏆 Construction Automation:	- rigo intoliary or ball Elving	Inclusivity at cross-roads:	
Post-Pandemic Integrated Robotized Construction	Environment and Quality of	how bottom-up initiatives	
Sites	Public Space Nina Alisa HABE*, Aglaée	can contribute to heritage	
Hazem NESSRINA, Fathi AMIRA A., F. Bakr ALI	DEGROS*. Andreas LICHTBLAU**	management	
University of Alexandria, Department	* TU Graz, Institutfür Städtebau; Graz,	Hanna SZEMZŐ	
of. Architecture; Alexandria, Egypt	AT ** TU Graz, Institut für Wohnbau;	Metropolitan Research Institute; Budapest, Hungary	
Y AScore – Developing a Cockpit for Regional	Graz, AT	Budapest, Hullgary	
Pandemic Management in	Assessment of the Quality		
Germany with Agent-Based Social Simulation	of Urban Spaces in the Context of Child-friendly	VARCITIES: "Human	
Martin MEMMEL, Jan Ole BERNDT,		Communities" at the Centre	
Ingo TIMM	Juliane STARK*, Herbert	of Future Cities	
Deutsches Forschungszentrum für Künstliche Intelligenz GmbH (DFKI),	NEUHAUSER**, Cornelia WEBER*	Federico AILI	
Kaiserslautern/Trier, DE	* University of Natural Resources and		
Smart Community	Life Sciences, Institute for Transport Studies: Vienna. AT		
Participatory Planning Process for Preparation of	** STRABAG AG, Building	CITYxCHANGE: Enabling the	
GIS based Master Plan in	Construction and Civil Engineering	Co-Creation of the Future We	
India Papiya Bandyopadhyay RAUT	Austria; Vienna, AT	Want to Live	
School of Planning and Architecture;	Flexible Bike Parking:	Gisela GARRIDO VERON	
New Delhi, India	New Ways of Thinking		
Tapturing Customer-Centred Functions of Local	Bicycle Racks Gosia STAWECKA*, Magdalena		
eCommerce Platforms	BÜRBAUMER**, Christian		
Tabea FIAN*, Georg HAUGER*, Martin SÖLLNER**, Arnd	ZEITELHOFER**, Christoph		
FLORACK** Isabel LAMOTTF***	WÖSS***, Karlheinz GÜRTL*, Paul		
* TU Wien, Transportation System Planning (IVS); Wien, AT** Univ.	BRUGNER*  * StadtLABOR Innovationen für urba-		
Wien Sozialosychologie und	ne Lebensqualität GmbH; Graz, AT		
Konsumentenverhaltensforschung:	** TU Wien; Wien, AT	ISOCARP INSTITUTE	
Wien, AT*** Österreichischer Handelsverband; Wien, AT	*** INNOVAMETALL Stahl- &	Centre for Urban Excellence	
Tidingolovolodila, viioli, / ti	Metallbau GmbH; Linz, AT		
		Coffee Break	16:00 16:30

#### SCHEDULE

Wednesday, 8 September 2021

	Time	e Auditorium 1 Auditorium 2		
	16:30- 18:00	Integrated Spatial and Energy Planning Chair: Gernot STÖGLEHNER	Wie eine Pandemie die Welt verändert(e) Moderation: Christian EIZINGER	
TUESDAY \ WEDNESDAY \ THURSDAY \ FRIDAY \		Towards Climate Neutrality through Integrated Energy Planning – a Cross-Country Comparison and Case Study Analysis of Positive Energy District Concepts between Switzerland and Norway Matthias HAASE*, Daniela BAER**  * Zurich University, Kadenswil, CH** Trondheim, Norway  * Monitoring Nature-Based Engineering Projects in Mountainus Region Intelligence of Applied Sciences, Tribhuvan University; Kirtipur, Nepal *** De Montfort University, Institute of Artificial Intelligence: LE19BH, UK**  *** College of Applied Sciences, Tribhuvan University; Kirtipur, Nepal **** De Montfort University, Institute of Artificial Intelligence: LE19BH, UK*** Center of Applied Sciences, Tribhuvan University; Kirtipur, Nepal **** De Montfort University, Institute of Artificial Intelligence: LE19BH, UK***		
	from 18:00	City tour in a historic tramcar (registration via MY	.CORP necessary)	

### **CITIES 20.50**

Creating Habitats for the 3rd Millennium Smart – Sustainable – Climate Neutral

## 7-10 September 2021



**SCHEDULE** 

Wednesday, 8 September 2021

Auditorium 4	Auditorium 5	
Change of Mobility Behaviour Chair: Stefan NETSCH	ISOCARP IRE #1 @ REAL CORP 2021 Chair: Sabina LEOPA	1
Cycle4Value: a Token-based Incentive System to Promote Cycling Thomas WERNBACHER*, Alexander PFEIFFER**, Alexander SEEWALD***, Mario PLATZER****, Dietmar HOFER******, Mihai GHETE*****  Danube University Krems, Center for Applied Game Studies; Krems, AT  *Danube University Krems; Krems, AT  **Danube University Krems; Krems, AT  **Seewald Solutions; Weißkirchen an der Traun, AT  ***********************************	with Roland KREBS Giovanni GINOCCHINI Stefania PAOLAZZI Katarzyna GORCZYCA Pietro ELISEI Manfred SCHRENK Judith RYSER Alfonso VEGARA Daniela PATTI Pietro L. VERGA Moderation: Sabina LEOPA	
Presentations marked with 🌱 are reviewed papers.		

Also note the live info monitor next to the registration desk!





#### SCHEDULE

Tross-Border Spatial Development hair: Christa REICHER  The Parametric Design to Foster Cross- border Governance nnalisa ROLLANDI olitecnico di Milano, DASTU; Milano, Italy  Metropolitan Peripheries as New Urban andscapes. Designing a Co-Creative foolbox for the Integrated Development of the Vienna City Region lora FESSLER*, Cédric RAMIÈRE**, laudia STAUBMANN**, Mara HAAS***, toland KREBS***, Stefan MAYR***  MetroLab/CoCo architecture; Wien, AT  MetroLab/CoCo architecture; Cénac et Saint Julien, FR  MetroLab/Superwien urbanism; Wien, AT  The Role of Zoning in Cross-Border andustrial Land Transition: Lessons from tokyo Metropolitan Area	Städtische Klimaanpassungsstrategien und Leistbarkeit: Wie geht das? Moderation: Amila ŚIRBEGOVIĆ  Smartes Wohnen für Generationen – wie Nachverdichtung Chancen für leistbares, alternsgerechtes und klimafreundliches Wohnen bietet Katharina KIRSCH-SORIANO DA SILVA, Lukas BOTZENHART Caritas der Erzdiözese Wien - Hilfe in Not, Stadtteilarbeit; Wien, AT  Planungsbezogene Stadtklimatologie: Werkzeuge und Maßnahmen auf unterschiedlichen räumlichen und zeitlichen Skalen Simon TSCHANNETT*, Sebastian KUPSKI**, Matthias RATHEISER*, Isabel AUER*,
corder Governance Innalisa ROLLANDI Indication of Milano, DASTU; Milano, Italy Interopolitan Peripheries as New Urban Interopolitan Interopolit	Nachverdichtung Chancen für leistbares, alternsgerechtes und klimafreundliches Wohnen bietet Katharina KIRSCH-SORIANO DA SILVA, Lukas BOTZENHART Caritas der Erzdiözese Wien - Hilfe in Not, Stadtteilarbeit; Wien, AT  Planungsbezogene Stadtklimatologie: Werkzeuge und Maßnahmen auf unterschiedlichen räumlichen und zeitlichen Skalen Simon TSCHANNETT*, Sebastian KUPSKI**, Matthias RATHEISER*, Isabel AUER*,
lora FESSLER*, Cédric RAMIÈRE**, laudia STAUBMANN**, Mara HAAS***, oland KREBS***, Stefan MAYR*** MetroLab/CoCo architecture; Wien, AT 'MetroLab/CoCo architecture; Cénac et Saint Julien, FR '* MetroLab/Superwien urbanism; Wien, AT  The Role of Zoning in Cross-Border industrial Land Transition: Lessons from	Planungsbezogene Stadtklimatologie: Werkzeuge und Maßnahmen auf unterschiedlichen räumlichen und zeitlicher Skalen Simon TSCHANNETT*, Sebastian KUPSKI**, Matthias RATHEISER*, Isabel AUER*,
ndustrial Land Transition: Lessons from	Matthias RATHEISER*, Isabel AUER*,
wiyi ZHANG*, Wanglin YAN** Keio University, Graduate School of Media and sovernance; Sagamihara City, Kanagawa Pre., Japan Keio University, Faculty of Environment and Information tudies: Fuiisawa City, Kanagawa Pre., Japan	Magdalena HOLZER*  * Weatherpark GmbH; Wien, AT  ** INKEK GmbH; Lohfelden, DE
THE CONTROL STATION  But they have been a more than the station of	The grierte Betrachtung einer nachhaltigen Wärme- und Kältebewirtschaftung von Stadtquartieren Corinna SCHITTENHELM, Detlef KURTH TU Kaiserslautern, Lehrstuhl Stadtplanung; Kaiserslautern, DE
Live Info available on screens at the venue  Also on your smartphone: http://live.corp.at	Neues Neues Stadt Wien Wohnen
tu	Live Info available on screens at the venue

### **CITIES 20.50**

Creating Habitats for the 3rd Millennium Smart – Sustainable – Climate Neutral

## 7-10 September 2021



**SCHEDULE** 

Auditorium 3	Auditorium 4	Time
Improvement of Living Conditions Chair: Pietro ELISEI	Data in Planning Chair: Hans Rüdiger KAUFMANN	09:30 11:00
The Liveable Life in Slums Neele EICKER Hafen-City-Universität; Hamburg, DE	The Application of CityGML Food Water Energy ADE to Estimate the Biomass Potential for a Land Use Scenario Rushikesh PADSALA, Volker COORS	
FEffectiveness of In Situ Upgrading in mproving the Quality of Life of Beneficiaries Living in Informal Settlements in South Africa  (edibone Precious MAGANADISA*,	Hochschule für Technik; Stuttgart, DE	
Vuyiswa LETSOKO**, Ockert PRETORIUS**  University of Johannesburg, Urban and Regional  Planning; Johannesburg, South Africa  * Johannesburg, South Africa	Sensing based Comparative Approach Henri DEBRAY*, Chunping QIU**, Michael SCHMITT***, Yuanyuan WANG****, Xiao Xiang ZHU**, Hannes TAUBENBÖCK**** * German Aerospace Center (DLR), EOC; Weßling, DE	
About Ecology in the City: an Attempt of Classification of the Political Trends Divier LEFEBVRE Divier Lefebvre Consultant; Paris, France	** Technical University Munich, Munich, Signal Processing in Earth Observation; Munich, DE  *** Munich University of Applied Sciences, Department of Geoinformatics; Munich, DE  **** German Aerospace Center (DLR), EOC; Munich, DE	
Post-Earthquake Quality of Life: Assessing the Bam Recovery Process Homa MASOUMI, Behzad MALEKPOUR ASL, Siamak BADR	The Digital World of the Future as an Evolution of the Past Oksana SMIRNOVA, Vasily POPOVICH,	
Shahid Beheshti University, Urban and Regional Planning; Fehran, Iran  **Assessing the Efficacy of Spatial**	Tatiana POPOVICH, Ksenia IVANOVA, Ilya MATIEVSKII SPIIRAS Hi-Tech Research and Development Office Ltd.; St. Petersburg, Russia	
Planning and Development System in mproving Living Conditions of the Society saac Tsholofelo TABANE, Trynos GUMBO, Thembani MOYO, Zenzile MBINZA Jniversity of Johannesburg, Urban and Regional Planning;	▼ Is the New Silk Road Enhancing Urban Expansion? Spatio-Temporal Analysis with Remote Sensing Data Salim SOLTANI*, Henri DEBRAY**, Xiao Xiang ZHU**,	
Johannesburg, South Africa  Presentations marked with ** are reviewed papers.	* Julius-Maximilians-Universität Würzburg, Institute for Geography and Geology; Würzburg , DE  ** German Aerospace Center (DLR), EOC; Weßling, DE	

Coffee Break

#### SCHEDULE •

Thursday, 9 September 2021

Thursday, 9 September 2021			
	Time	Auditorium 1	Auditorium 2
	11:30- 13:00	Food-Water-Energy Nexus I Chair: Barbara SMETSCHKA	Nutzung datenbasierter Methoden in Planungsprozessen Moderation: Wolfgang W. WASSERBURGER
TUESDAY \ WEDNESDAY \		Stakeholder-supported Research on the Food-Water-Energy Nexus with three International Case Studies Ursula PIETZSCH*, Keyu BAO*, Rushikesh PADSALA*, Ernst GEBETSROITHER-GERINGER**, Barbara SMETSCHKA***, Jeffrey RAVEN****, Volker COORS* *Hochschule für Technik Stuttgart; Stuttgart, DE *** AIT – Austrian Institute of Technology; Vienna, AT **** BOKU, Institute of Social Ecology; Vienna, AT **** FAIA, New York Institute of Technology; USA	Die Geodateninfrastruktur und deren Potenzial zur Verbesserung der Intersubjektivität räumlicher Analysen: dargestellt am Beispiel der stationären Einrichtungen zur Langzeitpflege älterer Menschen in Österreich Tatjana FISCHER*, Markus JOBST**  ** University of Natural Resources and Life Sciences, Vienna (BOKU Vienna), Institute of Spatial Planning, Environmental Planning and Land Rearrangement (IRUB); Vienna, AT  ** TU Wien, Forschungsgruppe Kartographie; Wien, AT
THURSDAY / FRIDAY /		♥ Urban Land Use and Food Supply: the Example of Vienna Lisa KAUFMANN*, Barbara SMETSCHKA*, Anna KOZLOWSKA**, Ernst GEBETSROITHER- GERINGER***  * BOKU Vienna; Vienna, AT  *** AIT; Vienna, AT  *** Vienna, AT  Urban Living Labs as a Driver for Sustainable Food-Water-Energy Innovations Tamara MITROFANENKO, Andreas MUHAR, Kim RESSAR, Thomas SCHAUPPENLEHNER Vienna, AT  ▼ Performance of Urban Agriculture in Tokyo: a Geospatial Perspective of the Food-Water-Energy Nexus Keidai KISHIMOTO, Wanglin YAN Keio University; Fujisawa, Japan	Interaktives Erzeugen von thematischen Karten mit CentropeMAP und CentropeSTATISTICS Clemens BEYER, Manfred SCHRENK CORP – COnsulting Research Projects; Vienna, AT  Ist der Onlinehandel Wettbewerbstreiber oder gar "Rettungsanker" für unsere Städte? Eine modellgestützte Analyse der Determinanten des Einkaufsverhaltens im Multi- und Cross-Channel-Kontext Thomas WIELAND Karlsruher Institut für Technologie, Institut für Geographie und Geoökologie; Karlsruhe, DE  Subjektiven Verkehrsstress objektiv messen – ein EmoCycling-Mixed-Methods-Ansatz Jule Stephanie MERK*, Jochen ECKART**, Peter ZEILE*** * Hochschule Karlsruhe Technik und Wirtschaft, IMM; Karlsruhe, DE *** Karlsruhe Institute of Technology, Professur Stadtquartiersplanung; Karlsruhe, DE
		Presentations marked with ** are reviewed papers.	
	13:00- 14:00	Lunch Break	

### **CITIES 20.50**

Creating Habitats for the 3rd Millennium Smart – Sustainable – Climate Neutral

## 7-10 September 2021



**SCHEDULE** 

Auditorium 3	Auditorium 4	Time
Climate Adaptation and Mitigation Chair: Walter SEHER	Participatory Processes Chair: Christian EIZINGER	11:30- 13:00
Posigning Waste Management Systems in the City of The Future Marielisa PADILLA, Kavyashree SWAMIGOWDA, Rohit SHEORAN Fraunhofer IAO, Fraunhofer IAO; Stuttgart, DE	A Framework for an Effective Public Participation Process in the Urban Development of City Centers – the Case of Alexandria, Egypt Lojaina OKACHA, Dina SAADALLAH, Khaled ELHAGLA	
Climate Proofing Spatial Planning Policies in Austria – Case Studies and Findings	Alexandria University, Faculty of Engineering, Architecture Department, Alexandria, Egypt	
Petra HIRSCHLER, Daniel SHAMS, Anna KALHORN, Hartmut DUMKE TU Wien, Institut für Raumplanung; Wien, AT	Poifferent or Alike? Motivation to Participate and Social Influence in Online Discussions by Age and Gender Sofia SAHAB*, Jawad HAQBEEN**, Ito TAKAYUKI*	
♥ Urbanism to Riverine Planning Strategy for Climate Resilient Cosmic Sacred City in India-Varanasi Sanhita BANDYOPADHYAY*, Bikram DUTTA**	* Kyoto University, Department of Social Informatics; Kyoto, Japan ** Nagoya Institute of Technology, Department of Computer Science; Nagoya, Japan	
* Freelancer, Environment; Gurgaon, India ** L&T, Pre Construction; Gurgaon, India  Growing Flood Risk in Areas with Lower	Planning: Between Parametric Design and Brand Urbanism	
Flood Hazard – Spatial Planning Options to Address this Challenge Lena JUNGER, Walter SEHER	Annalisa ROLLANDI Politecnico di Milano, DASTU; Milano, Italy	
Universität für Bodenkultur Wien, IRUB; Wien, AT	F Barriers and Opportunities of Community Participation in Informal Settlement Upgrading Projects: A Case Study of Slovo Park, South Africa Kedibone MAGANADISA, Vuyiswa LETSOKO,	
What's coming up next?  Our live conference guide	Ockert PRETORIUS University of Johannesburg, Department of Urban and Regional Planning; Johannesburg, South Africa	
http://live.corp.at has the answer	ISTER – Connecting hiSTorical Danube rEgions Roman routes Pietro ELISEI Urbasofia; Bucharest, Romania	

Lunch Break

13:00-14:00

#### SCHEDULE -

Time Auditorium 1		Auditorium 2	
14:00- 14:30	Session after Lunch		
	Summary of REAL CORP 2021 Special Topics		
14:30- 16:00	Food-Water-Energy Nexus II Chair: Volker COORS	Technologische Innovation und ihre Auswirkung auf Städte Moderation: Clemens BEYER	
	CITYFOOD – Upscaled Urban Aquaponics and the Food-Water-Energy Nexus G. BAGANZ*, M. SCHRENK**, O. KÖRNER***, D. BAGANZ***, S. GODDEK*****, K. KEESMAN*****, Z. ZISCAN******, E. BAGANZ********, H. MONSES****, T. NEHLS*********, F. LOHRBERG**********  * IGB Berlin, RWTH Aachen; Berlin, DE  *** BOKU; Vienna, AT**** IGZ; Großbeeren, DE  **************** F. LOHRBERG***********  * IGB; Berlin, DE******** ZALF; Müncheberg, DE  ***************** TUBerlin, DE  ***********************************	Typologien räumlicher Auswirkungen de Digitalisierung Radostina RADULOVA-STAHMER TU Graz/KIT, Institut für Städtebau; Graz, AT   Zur Co-Evolution von Stadtsystemen um Diffusion urbaner Innovationen: Charakteristika einer technologieoffenen Stadtentwicklung Steffen BRAUN Fraunhofer-Gesellschaft, Stadtsystem-Gestaltung; Stuttgart, DE  KI-gestützter Wordcloud-Generator für Beteiligungsprozesse Axel HÄUSLER, Carsten OLDENBURG Technische Hochschule Ostwestfalen-Lippe, Forschungsschwerpunkt nextPlace; Detmold, DE  http://live.corp.at  LIVE CONFERENCE GUIDE	

### **CITIES 20.50**

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## 7-10 September 2021



Auditorium 3	Thursday, 9 September 2 Auditorium 4	Time
Session after Lunch Chair and Talk: Kurt HOFSTETTER		14:00- 14:30
Jrban Climate and New Social Housing Keynote: Urban Climate: Adaptation Tools And Measures Bimon TSCHANNETT, Weatherpark GmbH; Wien, AT		
Jrban Climate Adaptation Strategies Chair: Amila ŠIRBEGOVIĆ	Smart Mobility Solutions Chair: Christian EIZINGER	14:30- 16:00
How to Make Existing Urban Structures Climate-Resilient?  Katrin HAGEN*, Tanja TÖTZER**,  Erik MEINHARTER***, Dietmar MILLINGER****,  Matthias RATHEISER****, Susanne FORMANEK******  TU Wien, Dept. of Landscape Architecture; Vienna, AT  * AIT Austrian Institute of Technology; Vienna, AT  ** PlanSinn Planung & Kommunikation; Vienna, AT  ** PlanSinn Planung & Kommunikation; Vienna, AT  ***** Weatherpark GmbH; Vienna, AT  ******* GRÜNSTATTGRAU; Vienna, AT  **Improvement of Human Thermal Comfort on Built Environment using BIM Simulation Methods, Case Study in Alexandria, Egypt  Dmnia KASSAB  Alexandria University, Architectural Engineering  Department; Alexandria, Egypt	▼ albox: White Label Parcel Lockers as Sustainable Solution for Last Mile Delivery Nina HOHENECKER*, Johannes BRAITH**, Seragiotto CLOVIS***, Sandra EITLER****, Georg HAUGER*, Matthias PRANDTSTETTER****, Matthias STEINBAUER*****, Reinhold SCHODL****  * TU Wien, Institute for Spatial Planning; Vienna, AT  ** Storebox Holding GmbH; Vienna, AT  **** AIT Austrian Institute of Technology, Center for Energy; Vienna, AT  ***** University of Applied Sciences BFI Vienna; Vienna, AT  ***** Variocube GmbH; Linz, AT  ▼ City Afoot – What the State-of-the-Art  Walkable City Looks Like  Susanne TOBISCH, Angelika PSENNER  TU Wien, Institute of Urban Design; Wien, AT	
Energy Issues in Building and District Assessment Schemes and Benchmarking Systems Natthias HAASE Zurich University of Applied Sciences, Institute for Facility Management; Wädenswil, CH  Reues Neues Soziales Wohnen	Exploring 4IR Technologies as a Solution to Improve the Traffic Flow on the Roads: a Case of the City of Johannesburg Siphiwe MBATHA, Trynos GUMBO, Ouwayeni ONIYA, Thembani MOYO University of Johannesburg, Urban and Regional Planning; Johannesburg, South Africa  Presentations marked with  are reviewed papers.	
	Coffee Break	16:00 16:30

#### SCHEDULE

Thursday, 9 September 2021

	Thursday, 9 September 2021		
	Time	Auditorium 1	Auditorium 2
	16:30- 18:00	Food-Water-Energy Nexus III Chair: Ernst GEBETSROITHER-GERINGER	Nachhaltigkeit in der Mobilität Moderation: Wolfgang W. WASSERBURGER
TUESDAY \ WEI		♥ Using Environmental Input-Output Analysis to Assess Energy, Water and CO₂ Emissions in Tokyo's Food System Xujie HU, Wanglin YAN Keio University, Media and Governance; Fujisawa City, Kanagawa Prefecture, Japan	Raumansprüche für E-Ladeinfrastruktur im öffentlichen Raum dichtbebauter Stadtquartiere Ulrich BERGMANN, Linda SEYFRIED, Viktoria KOFLER verkehrplus Prognose Planung und Strategieberatung GmbH; Graz, AT
WEDNESDAY \ THURSDAY \		▼ Introduction of Key Nexus Indicators to Assess the Urban Food-Water-Energy Nexus within the SUNEX Project Ali HAINOUN**, Wolfgang LOIBL**  * AIT Austrian Institute of Technology GmbH, Center of Energy; Vienna, AT  ** Vienna, AT	▼ Wie können öffentliche E-Ladestationen sozial fair positioniert werden? Eine Analyse der Aktivitätsmuster und potenziellen Ladevorgänge von Frauen, Personen mit niedrigem Einkommen und Über-65-Jährigen Christian Joachim GRUBER*, Maria SCHWEIGHART*, Sebastian SEEBAUER*, Samuel FELBERMAIR**  * Joanneum Research, LIFE; Graz, AT  ** Salzburger Verkehrsverbund GmbH; Salzburg, AT  ** Salzburger Verkehrsverbund GmbH; Salzburg, AT  ***  **  **  **  **  **  **  **  **
FRIDAY		Poeveloping Design Baseline to Reduce Urban Environmental Load in Food-Energy- Water Demand Shun NAKAYAMA*, Wanglin YAN*, Will GALLOWAY**  * Keio University, Graduate School of Media and Governance; Kanagawa, Japan  ** Ryerson University, Faculty of Engineering & Architectural Science; Toronto, Canada	₹ Radfahren auf realen und virtuellen Flächen – Das NRVP-Projekt Cape Reviso Peter ZEILE*, Thomas OBST**, Fabian DEMBSKI**, Johanna DRESCHER***, Oezlem CINAR****, Uwe WOESSNER**  * Karlsruhe Institute of Technology, Neighbourhoodplanning; Karlsruhe, DE  ** High Performance Computing Center Stuttgart HLRS, Vizualisation; Stuttgart, DE  *** Allgemeiner Deutscher Fahrrad-Club e.V. (ADFC), Bundesgeschäftsstelle; Berlin, DE  **** Karlsruhe Institute of Technology, Professur Stadtquartiersplanung; Karlsruhe, DE
		Presentations marked with ** are reviewed papers.	Partizipative Prozesse bei taktischen Interventionen – Einblicke aus Villach Linda DÖRRZAPF, Paul ACHATZ, Martin BERGER TU Wien, MOVE; Wien, AT
	from 18:00	Official evening reception at BOKU VIENNA	

## **CITIES 20.50**

Creating Habitats for the 3rd Millennium Smart – Sustainable – Climate Neutral

## 7-10 September 2021



Auditorium 3	Auditorium 4	Time
<b>Urban Lifestyles</b> Chair: Doris ÖSTERREICHER	Social Innovation Chair: Hans Rüdiger KAUFMANN	16:30 18:00
Rethinking Planning and Spatial Assessment from a Care Perspective Lidewij TUMMERS*, Heidrun WANKIEWICZ** * CORRINA; Rotterdam, NL ** Planwind; Salzburg, AT	Finging Research on City Resilience to Relevant Stakeholders – Combining Cocreation and Standardization in the ARCH project Rene LINDNER*, Daniel LÜCKERATH**, Josune HERNANTES***, Carmen JACA***, Vasileios LATINOS****, Katherine PEINHARDT**** * DIN German Institute for Standardization; Berlin, DE	
Assessing the Impacts of Urban Determinants on Physical Activity Engagement: An Applied Study on	** Fraunhofer Institute for Intelligent Analysis and Information Systems IAIS; Sankt Augustin, DE  *** TECNUN – University de Navarra; San Sebastian,	
Residents of Alexandria City, Egypt Dina FARAG, Hany AYAD, Dina SAADALLAH Faculty of Engineering, Alexandria University, Architectural Department; Alexandria, Egypt	Spain ***** ICLEI Europe; Freiburg, DE  ***** Behavioural Studies in Spatial Planning Inge PENNINCX*, Jonas DE MAEYER**,  ***** JONAS DE MAEYER**,	
Once Upon a Time a Genius Loci Conceived a Place	Sophie LEROY**, Sophie DE MULDER*  * Brussels, Belgium  ** Endeavour; Antwerpen, Belgium	
UFRGS – Federal University of Rio Grande do Sul, PROPAR – Post Graduate Program Faculty of Architecture; Porto Alegre, Brazil	Integrating User Needs in Sustainable Neighbourhood Transition of the Smart City – Expanding Knowledge and Insight among Professional Stakeholders Daniela BAER, Anandasivakumar EKAMBARAM SINTEF, COMMUNITY; Trondheim, Norway	
The Effects of City Fabric on Urban Strategies in Pandemic Time – Case Study Rome City (Italy) Nomer ISA KAKROODI*, Sina MIRZA BABAEI*** Personal atelier; Noshahr, Iran ** Sapienza University Rome, Department of History, Design and Architecture Restoration; Rome, Italy	What's coming up next?  Our live conference guide  http://live.corp.at has the answer	

#### SCHEDULE

Friday, 10 September 2021

	Time	Auditorium 1	Auditorium 2
	09:30- 11:00	Innovation and Competitiveness Chair: Hans Rüdiger KAUFMANN	Reuse, Regeneration, Transformation Chair: Judith RYSER
TUESDAY \ WEDI		Sustainable Development in The Healthcare Enterprises Management Through BIM And FM Interaction Based on a Holistic Aspect Structure Seyed Reza HOSSEINI RAVIZ, Sobah Abbas PETERSEN Norwegian University of Science and Technology; Trondheim, Norway	The Role of the Public Municipality in Urban Regeneration: the Case of Genoa Giampiero LOMBARDINI, Beatrice MORETTI, Matilde PITANTI University of Genova, Dipartimento Architettura e Design; Genova, Italia
WEDNESDAY \ THURSDAY \ FRIDAY \		CRISALIDE decision support system for urban development: from idea to implementation. Rostov-on-Don, Russia E. BATUNOVA*, S. THRUKHACHEV**, P. ELISEI***, M. SCHRENK****, E. KHITEVA**, M. DRAGHIA*****, O. SMIRNOVA******, V. V. POPOVICH******, V. MEITA******, A.V. TACHE*******, OC. POPESCU********  * Politecnico di Milano, DAStU; Milan, Italy ** Southern Urban Planning Center; Rostov-on-Don, RUS *** SOUTHERN PROGRAMMENT CORP Consulting Research Projects; Schwechat, AT ***** Urbasofia; Bucharest, Romania ***** SPIIRAS – Hi Tech Research and Development Office Ltd.; St. Petersburg, Russia ***********************************	▼ Investigation of the State of Spatial Transformation Policy and Practice: Lessons from the City of Johannesburg Mueletshedzi Helen PHOSHO, Trynos GUMBO, Thembani MOYO, Eric MAKONI University of Johannesburg, Urban and Regional Planning; Johannesburg, South Africa  ▼ Methods for Regrouping Economic Activities into Meaningful Clusters Sophie DE MULDER*, Inge PENNINCX**, Geert VAN HAUTE*, Jan ZAMAN*  * Department of Environment & Spatial Development Flanders; Brussels, Belgium  ** Flanders Environment Agency, Flemish Planning Bureau for Environment and Spatial Development;
		Supportive Means for Mutual Benefits Sofia SAHAB*, Jawad HAQBEEN**, Ito TAKAYUKI*  * Kyoto University, Dept of Social Informatics; Kyoto, JP  ** Nagoya Institute of Technology, Department of Computer Science; Nagoya, JP  Competences of Smart City Planners: the Alpha and Omega Hans Rüdiger KAUFMANN*, Dolores SANCHEZ BENGOA*, Henning TIRREL**, Mohammad Fateh Ali KHAN PANNI***  * Univ. of Applied Management Studies; Mannheim, DE  ** University of Nicosia; Nicosia, Cyprus  *** BAC International Study Centre; Dhaka, Bangladesh	Brussels, Belgium  Spatial Trends of Adaptive Reuse Projects: Challenges and Opportunities for Developing Cities Thembani MOYO, Trynos GUMBO, Ouwayeni ONIYA, Siphwe Given MBATHA University of Johannesburg, University of Johannesburg; Johannesburg, South Africa  Presentations marked with Pare reviewed papers.
	11:00- 11:30	Coffee Break	

## **CITIES 20.50**

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Auditorium 3	Auditorium 4	ptember 2021 Time
Case Studies in Sustainability: Vienna, Salzburg, Berlin Chair: Gösta BAGANZ		09:30- 11:00
Sustainable Smart City – the Path of Vienna Mona TREUDE*, Ralf SCHÜLE**  ** Wuppertal Insitute, Urban Transition; Wuppertal, DE  ** Bundesinstitut für Bau-, Stadt- und Raumforschung; Bonn, DE		
Poensification of the Existing Urban Pattern: the Case Salzburg Stefan NETSCH Salzburg University of Applied Sciences, Smart City; Kuchl, AT		
♥ Urban Rooftop Uses: Competition and Potentials from the Perspective of Farming and Aquaponics – a Berlin Case Study Gösta BAGANZ*, Daniela BAGANZ*, Elias BAGANZ**, Werner KLOAS*, Frank LOHRBERG*** * Leibniz-Institut für Gewässerökologie und Binnenfischerei (IGB); Berlin, Germany *** Berlin, Germany *** RWTH Aachen; Aachen, Germany		
Live Info available on screens at the venue		
Also on your smartphone: http://live.corp.at		

#### SCHEDULE

Friday, 10 September 2021

	Time	Auditorium 1 Auditorium 2		
	11:30- 13:00	Blue and Green Infrastructure Chair: Christian EIZINGER	Welfare and Justice Chair: Georg NEUGEBAUER	
TUESDAY \ WEDNESDAY \ THURSDAY \ FRIDAY		Y Can Church Gardens Represent a Valuable Recreation Alternative in Cities? Diana Andreea ONOSE, Ioan Cristian IOJA, Andreea Raluca SLAVE, Simona Raluca GRĂDINARU, Athanasios Alexandru GAVRILIDIS, Ana-Maria POPA University of Bucharest, CCMESI; Bucharest, Romania  The Possibility of Qualifying the Courtyards of Religious Buildings as Open Public Spaces: a Case Study of the City of Brčko Slobodan BULATOVIĆ, Eva VANIŠTA LAZAREVIĆ, Jelena MARIĆ University of Belgrade, Faculty of Architecture, Department for urbanism; Belgrade, Serbia  Y Urban Trees − Detection, Delineation, Quantification, and Characterisation based on VHR Remote Sensing Tobias LEICHTLE*, Markus ZEHNER*, Marlene KÜHNL**, Klaus MARTIN**, Hannes TAUBENBÖCK*  ** German Aerospace Center (DLR), Geo-Risks and Civil Security; Wessling, DE  ** Company for Remote Sensing and Environmental Research (SLU); Munich, DE  What's coming up next?  Our live conference guide  https://www.comp.ou/ has the answer	Poveloping Cultural Heritage Plan in Response to Future Challenges: Case of Lamu-Town World Heritage Site, Kenya Maryam MOHAMED, Hassan ABDUL-SALAM, Ali BAKR Alexandria University, Architectural Engineering; Alexandria, Egypt  Pupscaling "Building and Planning Culture" to a Regional Level in Römerland Carnuntum (Lower Austria) Hartmut DUMKE, Daniel YOUSSEF TU Wien, Institute for Spatial Planning, Research Unit of Regional Planning and Regional Development; Wien, AT  Patterns and Practices of Spatial Transformation: a Historical Review of Approaches Mueletshedzi Helen PHOSHO, Trynos GUMBO, Thembani MOYO, Eric MAKONI University of Johannesburg, South Africa  The Influence of Users' Socio-Economic Background on the Perception and Involvement of Urban Spaces Menatallah OSMAN, Hassan ABDEL-SALAM, Dina SAADALLAH Alexandria University, Faculty of Engineering, Architectural Department; Alexandria, Egypt	
	13:00-		Presentations marked with ** are reviewed papers.	
	13:30	Conference Closing: Summary, Outlook, Perspec	tives	

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Creating Habitats for the 3rd Millennium Smart – Sustainable – Climate Neutral

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Auditorium 3	Auditorium 4	Tim
Innovation in Planning Methods Chair: Gösta BAGANZ		11:3 13:0
The Monitoring Canvas: a Participatory Tool for Understanding the Success of Mission-Oriented Innovation Policies Mathias MITTEREGGER AustriaTech; Vienna, AT		
Enhancing Identity through Streetscape Composition Sondos FOUDA, Tarek FARGHALY, Hany AYAD University of Alexandria, Department of Architecture; Alexandria, Egypt		
Streetscape Design Elements Approach as a Tool for Urban Soundscape Enhancement A Perspective from Ahmed Oraby Square, Alexandria, Egypt Amira ELMAHDY, Ali BAKR, Amira FATHY University of Alexandria, Department of Architecture;		
Alexandria, Egypt  Turban Resilience Thinking. Dealing with Epistemic Uncertainty in Smart City		
Development Ulrich UFER*, Sadeeb S. OTTENBURGER**  * Karlsruhe Institute of Technology, Institute for Technology Assessment and Systems Analysis; Karlsruhe, DE  ** Karlsruhe Institute of Technology, Institute for Thermal Energy Technology and Safety; Eggenstein-Leopoldshafen, DE		
http:/live.corp.at  LIVE CONFERENCE GUIDE		
		13:0

ISOCARP INSTITUTE

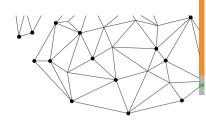
# **Centre for Urban Excellence**

We are the research spin-off of the International Society of City and Regional Planners (ISOCARP) and specialise in research communication, citizen engagement, urban advocacy and professional trainings.



Practical implimentation of urban solutions, supported by activities of technical assistance, urban labs and urban charreettes, delivering tangible solutions to local municipalities and governments, as well as other entities

UPATs, Urban Labs & Technical



#### Abou

In 2016 the Stichting (Foundation) ISOCARP Institute, Centre for Urban Excellence, was founded under Dutch Law to expand and support the activities of ISOCARP, the International Society of City and Regional Planners. After intensive preparations, the ISOCARP Institute started its activities and projects in March 2018. The ISOCARP Institute exclusively operates as the project office of the ISOCARP Society.

#### Mission

The mission of ISOCARP Institute is to enrich the knowledge base and developing the capacity of individuals, organisations and institutions partaking in shaping and developing human settlements. The Institute's prime objectives are strengthening cross-border collaboration globally, upholding professional excellence in planning, advancing sustainable planning, increasing awareness of major development trends and promoting best practices, all while serving as a "Urban Think Tank" facilitating the generation and dissemination of knowledge for better cities.

#### Research

Capitialise and expand the urban knowledge of ISOCARP members and urban professionals by initiating, developing and managing research activities related to urban development, exploring research topics, programmes, ideas and urban development trends.

EU and Global Research Projects

#### Academy

Disseminate the urban knowledge of ISOCARP and upgrade the capacities of urban stakeholders and younger professionals, by initiating and managing different programmes related to training and capacity-building, education and professional experience.

YPPs, Trainings & Online Education

#### ISOCARP Institute in EU-funded projects

Within the Research Pillar, ISOCARP Institute actively contributes to the urban research community through its work on research projects, publications, and strong network of academic professionals. The Institute mainly carries on the contribution to EU and global research projects initiated by the International Society of City and Regional Planners since 2016.

In November 2018, the H2020 project Positive City Exchange started and constitutes the first project solely operated within the Institute. ISOCARP Institute has been granted EU funding from other H2020 funded project on the topic of nature-based solutions, VARCITIES (2020-2025) and JustNature (2021-2026).

ISOCARP Institute focuses on a wide range of fields related to urban development (i.e., climate action, urban resilience, public spaces, smart cities, urban culture and heritage, etc.) and it always seek for new collaborations with other partners and organisations.

#### +CityXChange (2018-2023)

CityxChange is a smart city project granted funding by the European Union's Horizon 2020 research and innovation programme. It brings the two aspiring Lighthouse Cities Trondheim (NO) and Limerick (IE) together with distinguished Follower Cities Alba Iulia (RO), Pisek (CZ), Võru (EST), Smolyan (BG) and Sestao (ES), to underline their ambition to achieve sustainable urban ecosystems that have zero emissions and establish a 100% renewable energy city-region by 2050.

#### VARCITIES (2020-2025)

In an increasingly urbanised world, cities face several challenges and threats, struggling to propose credible urban futures and new opportunities for their citizens. VARCITIES is an ambitious project that puts citizens and the "human communities" at the centre of future cities' vision. Eight European Pilot Cities (from different climate regions) will test and implement a series of nature-based solutions and visionary actions that support creativity, inclusivity, health, and happiness in a holistic way.

#### JUSTNature (2021-2026)

JUSTNature is an EU funded project under Horizon 2020. Its overall objective is the activation of nature-based solutions (NbS) to ensure a just transition towards low-carbon cities, based on principles such as the right to ecological space, the right to clean air, thermal comfort, and a thriving biodiversity. The project will support seven European City Practice Labs in the co-design and co-creation of local low carbon and high air quality NbS to shape low-carbon cities.



Creating Habitats for the 3rd Millennium Smart – Sustainable – Climate Neutral

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#### **REVIEWER TEAM AND PROGRAMME COMMITTEE**

Al-Hokail, Abdulhakeem A.; Dr.	Urban Planner, Saudi Arabia	Dhahran, Saudi Arabia
Baypinar, Mete Basar; Ass. Prof. Dr.	Istanbul University, Department of Urban and Regional Planning	Istanbul, Turkey
Benedikt, Josef; Dr.	Geologic Dr. Benedikt, GIS & Fuzzy Logic	Vienna, AT
Beyer, Clemens; DiplIng.	CORP – Competence Center of Urban and Regional Planning	Vienna, AT
Bogdanovic, Ruzica; Prof.	University of Belgrade, Faculty for Transport & Traffic Engineering	Belgrade, Serbia
Börner, Wolfgang; Mag.	City of Vienna, Urban Archeology Division	Vienna, AT
Broschart, Daniel; DrIng.	Stadtplanungsamt Landberg am Lech	Landberg am Lech, DE
Cabello, Maria; MSc	Trabajos Catastrales, Departamento Comercial	Sarraguren, Navarra, Spair
Dorau, Uschi; DiplIng.	Freiland Umweltconsulting ZT GmbH	Vienna, AT
Dörrzapf, Linda; DiplIng.	TU Wien, Institute of Spatial Planning	Vienna, AT
Elisei, Pietro; DrIng.	Urbasofia	Buchrest, Romania
Emberger, Günter; Prof. Mag. Dr.	TU Wien, Research Center of Transport Planning and Traffic Engineering	Vienna, AT
Engelke, Dirk; Prof. Dr.	Hochschule für Technik Rapperswil	Rapperswil, CH
Exner, Jan-Philipp; DrIng. MSc	Urban Planner, ZENNER International	Saarbrücken, DE
Fischer, Tatjana; Mag. Dr.	BOKU Vienna, Institute of Spatial Planning, Environmental Planning and Land Rearrangement	Vienna, AT
Garau, Chiara; Dr.	University of Cagliari, Faculty of Architecture	Cagliari, IT
Golubovic Matic, Darinka; MSc	Urban Planner	Tallinn, Estonia
Grimm-Pretner, Dagmar; Ass. Prof. DiplIng. Dr.	BOKU Vienna, Institute of Landscape Architecture	Vienna, AT
Gugerell, Katharina; Dr.	BOKU Vienna, Institute for Sustainable Economic Development	Vienna, AT
Hanzl, Małgorzata; PhD	Technical University of Łódź	Łódź, Poland
Hauger, Georg; Prof. Dr.	TU Wien, Institute of Spatial Planning	Vienna, AT
Höhl, Wolfgang; Prof. DrIng.	University of Applied Sciences Augsburg, Faculty of Design	Augsburg, DE
Jain, Bijendra K., Arch. PhD	City of New Delhi, Delhi Development Authority	New Delhi, India
Klementschitz, Roman; Dr.	University of Natural Resources and Applied Life Sciences	Vienna, AT
Murgante, Beniamino; Prof. Dr.	University of Basilicata	Potenza, IT
Navratil, Gerhard; Prof. Dr.	TU Wien, Department of Geodesy and Geoinformation	Vienna, AT
Netsch, Stefan; DiplIng.	Fachhochschule Salzburg, Smart Buildings in Smart Cities	Salzburg, AT
Neuschmid, Julia; Mag.	IDC Austria	Vienna, AT
Pietsch, Matthias; Dipllng.	Hochschule Anhalt — Anhalt University of Applied Sciences	Bernburg, DE
Popovich, Vasiliy V.; Prof. Dr.	Russian Academy of Sciences, SPIIRAS, Head of OOGIS Laboratory	St. Peterburg, Russia
Ryser, Judith; Arch	City Scope Europe, Urban Thinker	London, UK
Schrenk, Manfred; DiplIng.	CORP – Competence Center of Urban and Regional Planning	Schwechat, AT
Seher, Walter; Ass. Prof. DiplIng. Dr.	BOKU Vienna, Institute of Spatial Planning, Environmental Planning and Land Rearrangement	Vienna, AT
Steinnocher, Klaus; Dr.	Austrian Insitute of Technology, Center for Energy	Vienna, AT
Stupar, Aleksandra; Prof. Dr.	University of Belgrade, Department of Urbanism	Belgrade, Serbia
Stüssi, Robert; MSc	Energy and Mobility Consultant	Lisbon, Portugal
Taha, Dina; Ass. Prof. Dr.	Alexandria University, Faculty of Engineering	Alexandria, Egypt
Vaništa Lazarević, Eva;	University of Belgrade	Belgrade, Serbia
Wankiewicz, Heidrun; Mag. Dr.	planwind.at — planning.management.research	Salzburg, AT
Wasserburger, Wolfgang W.; DiplIng.	AccessibleMap Association	Vienna, AT
Zeile, Peter; DrIng.	Karlsruhe Institute of Technology, Institute for Urban and Landscape Design   STQP	Karlsruhe, DE





#### **AUTHORS AND SPEAKERS**

ABART-HERISZT, Lore; Dipl.-Ing. Dr.; University of Natural Resources and Life Sciences, Institute of Spatial Planning, Environmental Planning and Land Rearrangement: Vienna, AT

ABDEL-SALAM, Hassan; Professor; Alexandria University, Faculty of Engineering, Architectural Department; Alexandria, Egypt

ABDUL-SALAM, Hassan; Professor; Alexandria University Architectural Enaineerina: Alexandria, Eaypt

ACHATZ, Paul; Bsc.; TU Wien, MOVE; Wien, AT

ADERIBIGBE, Oluwayemi-Oniya: Dr: University of Johannesburg, Urban and Regional Planning: Johannesburg, South

ALAA EL-DIN, Amr: Faculty of Engineering, Alexandria University, Department of Architecture and Urban Plannina: Alexandria, Eaypt

ALEXANDROPOULOU, Alexandra; City of Halandri; Halandri, Greece

All F Bakr: Professor: Faculty of engineering, Architecture: Alexandria, of Slovenia: Liubliana, Slovenia

AMIRA, Abbes; De Montfort University, Institute of Artificial Intelligence: LE1 9BH, UK

AMIRA A., Fathi; Assistant professor; Faculty of engineering, Architecture: Alexandria, Eaypt



AUER, Isabel; Weatherpark GmbH; Wien, AT

AYAD, Hany; Professor; Faculty of Engineering, Alexandria University, Architectural Department; Alexandria,

BACK PROCHNOW, Simone: PhD: REYER Clemens: Dipl -Ing - CORP UFRGS - Federal University of Rio Grande do Sul. PROPAR - Post Graduate Program Faculty of Architecture; Porto Alegre, Brazil

BADR, Siamak; Visiting lecturer; Shahid Beheshti University, Urban and Regional Planning: Tehran, Iran

BAER, Daniela; Trondheim, Norway

BAGANZ, Gösta; Leibniz-Institut für Gewässerökologie und Binnenfischerei (IGB): Berlin, Germany

BAGANZ, Daniela: Leibniz-Institut für Gewässerökologie und Binnenfischerei (IGB); Berlin, Germany

BAGANZ, Elias: Berlin, DE

BAJIC, Katharina; BSc; AIT Austrian Institute of Technology GmbH. Center for Ditigal Safety and Security: Wien,

BAKR, Ali; Professor; Alexandria University, Architectural Engineering; Alexandria, Egypt

BANDYOPADHYAY, Piyali; Dr.; Central Pollution Control Board, Central Pollution Control Board: New Delhi India

BANDYOPADHYAY, Sanhita: Dr. Freelancer, Environment; Gurgaon, In-

BAO, Keyu; MSc.; Hochschule für Technik Stuttgart, Center for Sustainable Energy Technology: Stuttagrt, DF

BARRORIC Blaze Geodetic institute

BATUNOVA, Fleng: Dr. Urb.: Politec nico di Milano, DAStU: Milan, Italy

BERGER, Martin; Prof.; TU Wien, MOVE; Wien, AT

BERGHEIM Rungry Asplan Viak Diaital Services, R&D Director: Sandvika,

BERGMANN, Ulrich; Dipl.-Ing. Dr.; verkehrplus Prognose Planung und Strategieberatung GmbH; Graz, AT

BERNDT, Jan Ole; Dr.; Deutsches Forschungszentrum für Künstliche Intelligenz GmbH (DFKI), Cognitive Social Simulation; Trier, DE

BERNERT, Philip; Leuphana University of Lueneburg: Lüneburg, Germany

BERTINO, Gaetano; MA; alchemia nova: Wien, AT

- COnsulting Research Projects; Vienna,

BIEGELBAUER, Peter; AIT; Vienna,

BOBKER, Michael; Associate Director: City College of New York, CUNY Institute for Urban Systems: New York.

BOTZENHART, Lukas; MA; Caritas der Erzdiözese Wien - Hilfe in Not. Stadtteilarbeit: Wien, AT

BRAITH, Johannes: MA: Storebox Holding GmbH: Vienna, AT

BRAUN, Steffen; Dipl.-Ing.; Fraunhofer-Gesellschaft. Stadtsystem-Gestaltuna: Stuttaart, DE

BRIEGEL, Daniela; M.Sc.; Technische Universität Kaiserslautern Lehrstuhl Reaionalentwicklung und Raumordnung: Kaiserslautern, DF

BROWN, Hillary; FAIA; City College of New York, CUNY Institute for Urban Systems: New York, USA

#### REAL CORP 2021

BRUGNER, Paul: BEd MSc: Stadt-LABOR Innovationen für urbane Lebensaualität GmbH: Graz, AT

BULATOVIĆ, Slobodan; PhD student; University of Belarade, Department for urbanism: Belarade, Serbia

RÜRRALIMER Maadalena: DI MEna: Technische Universität Wien; Wien, AT

BUTZHAMMER, Anna; Research Studios Austria FG - iSPACE: Salzbura, AT

CALBRIS, Gaëtan; Dr.; Febus-Optics: Pau. FR

CASTELLO, Lineu; PhD; UFRGS - Federal University of Rio Grande do Sul. PROPAR - Post Graduate Program Faculty of Architecture; Porto Alegre,

CHAKWIZIRA, James; Dr.; University of Venda, Urban and Regional Planning: Thohoyandou, South Africa

CHIMENTO, Cyrus; Student; University of Maryland, National Center for Smart Growth; College Park, USA

CINAR, Oezlem; MSc.; Karlsruhe Institute of Technology, Professur Stadtquartiersplanung; Karlsruhe, DE

CLOVIS Serggiotto: AIT Austrian Institute of Technology, Center for Energy; Vienna, AT

COORS, Volker; Prof. Dr.; Hochschule für Technik: Stuttaart, DE

CORONEL, Carmina; Dr.; AIT Austrian Institute of Technology GmbH. Center for Ditigal Safety and Security; Wien, AT

DALLA FONTANA Michele: University of São Paulo: São Paulo, Brasil

DANZER, Lisa: L&R Sozialforschung:

DE ARAÚJO MOREIRA, Egbigno: University of São Paulo: São Paulo.

DE MAEYER, Jonas; Endeavour; Antwerpen, Belgium

DE MULDER, Sophie: Department of Environment & Spatial Development Flanders; Brussels, Belgium

DEBRAY, Henri: German Aerospace Center (DLR), EOC; Weßling, DE

DEGROS, Aglaée: Univ.-Prof: TU Graz, Institut für Städtebau: Graz, AT

DEMBSKI, Fabian; Dr.-Ing.; High Performance Computing Center Stuttgart HLRS, Vizualisation; Stuttgart, DE

D'HONDT, Frank: Territorial capital Institute, Director: Glyfada, Greece

DI GILILIO Gabriela Marques University of São Paulo: São Paulo.

DIETRICH, Tabea; Fraunhofer IAO, Mobility Ecosystems: Stuttaart, DE

DOERBERG, Alexandra; ZALF; Müncheberg, DE

DÖLLER Herbert: Dr. Dr. Döller Vermessung ZT GmbH: Wien, AT

DÖRRZAPF, Linda; Dipl.-Ing.; TU Wien, MOVE; Wien, AT

DRAGHIA, Miruna; Dr. Urb.; EU Projects Director at Urbasofia; Bucharest. Romania

DRESCHER Johanna MA Allae meiner Deutscher Fahrrad-Club (ADFC), Bundesgeschäftsstelle; Berlin, DE

DUMKE, Hartmut; TU Wien, Institute for Spatial Planning, Research Unit of Regional Planning and Regional Development; Wien, AT

DUMREICHER, Heidi: OIKODROM - The Vienna Institute for Urban Sustainability; Vienna, AT

DUTTA, Bikram; Dr.; L&T, Pre Construction: Guragon, India

ECKART, Jochen; Prof. Dr.; Hochschule Karlsruhe Technik und Wirtschaft. Professur Verkehrsökologie: Karlsruhe.

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#### 7-10 September 2021



#### **AUTHORS AND SPEAKERS**

EICKER, Neele; Hafen City Universität: Hambura, DF

EITLER, Sandra: Maa: University of Applied Sciences BFI Vienna: Vienna

EKAMBARAM. Anandasiyakumar: Dr.: SINTEF, COMMUNITY: Trondheim,

EL SAYED, Zeyad; DR.; Faculty of Engineering, Alexandria University, Department of Architecture and Urban Planning; Alexandria, Egypt

ELHAGLA, Khaled; Prof. Dr.; Alexandria University; Alexandria, Egpyt

ELISEI, Pietro; ISOCARP President-Flect: Bucharest, Romania

FLMAHDY Amira: MSc student: University of Alexandria, Department of Architecture; Alexandria, Egypt

ENGELKE, Dirk; Prof. Dr.; OST - Ostschweizer Fachhochschule: Rapperswil, CH

FARAG Ding: Assistant Lecturer: Faculty of Engineering, Alexandria University, Architectural Department: Alexandria, Egypt

FARGHALY, Tarek; Prof. Dr.; University of Alexandria, Department of Architecture; Alexandria, Egypt

FATHL Amira: Assistant Professor: University of Alexandria, Department AT of Architecture: Alexandria Faynt

FAUSTER, Jennifer: MSc: Graz Technical University, Institute of Urbanism;

FELBERMAIR, Samuel; Salzburger Verkehrsverbund GmbH; Salzburg, AT

FESSIER Florg: BA M.Sc.: Metro-Lab/CoCo architecutre; Wien, AT



FIAN, Tabea; Dipl.-Ing.; Technische Universität Wien, Transportation System Planning (IVS); Wien, AT

FINIO, Nicholas; Associate Director: University of Maryland, National Center for Smart Growth: College Park. USA

FISCHER, Wolfgang; Mag.phil. Dr.rer.nat.; University of Graz, Department of Geography and Regional Science: Graz. AT

FISCHER, Tatjana; Dr.; BOKU Vienna, Institute of Spatial Planning, Environmental Planning and Land Rearrangement (IRUB): Vienna, AT

#### REAL CORP 2021

FLORACK, Arnd; Dr.; Universität Wien, Sozialpsychologie und Konsumentenverhaltensforschung; Wien, AT

FORMANEK, Susanne; DI; GRÜN-STATTGRAU Forschungs- und Innovations-GmbH: Vienna, AT

FOUDA. Sondos: Arch.: University of Alexandria, Department of Architec ture: Alexandria, Fayot

FRANCHINI, Teresa; Dr; Madrid

FRANCO, Veronica; MS; City College of New York CLINY Institute for Urban Systems: New York, USA

FREY, Harald: TU Wien: Vienna, AT

FRIEDRICH, Robin; AIT Austrian Institution of Technology, Center for Energy; Vienna, AT

FRIESSNEGG, Thomas; AIT; Vienna,

FROISSARD, Philippe; European Commission, Directorate General for Research and Innovation: Brussels, Bel-

GÖLS, Marko; Digitalsunray; Vienna. AT

GÜRTI Karlheinz: MA: Stadtl ABOR Innovationen für urbane Lebensqualität GmbH; Graz, AT

GALLOWAY, Will; Dr.; Ryerson University, Faculty of Engineering & Architectural Science; Toronto, Canada

GASSER, Juliane: Dr.: Business Upner Austria - OÖ Wirtschaftsagentur GmbH; Linz, AT

GAVRILIDIS, Athanasios Alexandru; PhD; University of Bucharest, CCMESI; Bucharest, Romania

GEBETSROITHER-GERINGER, Ernst; Dr.: AIT Austrian Institute of Technology. Competence Unit Digital Resilient Cities: Vienna, Austria

GEIER, Stefan; DI; Universität für Bodenkultur Wien, Institut für Raumplanung, Umweltplanung und Bodenordnung: Wien, AT

GERIKE, Regine; Prof. Dr.; Technische Universität Dresden, "Friedrich List" Faculty of Transport and Traffic Sciences, Chair of Integrated Transport Planning and Traffic Engineering; Dresden. DE

GEYER Roman: AIT Austrian Institution of Technology, Center for Energy: Vienna, AT

GHETE, Mihai; Bike Citizens; Graz, AT

GIESCH, Michael Andreas; BSc; University of Graz, Department of Geography and Regional Science: Graz. AT



GINOCCHINI, Giovanni; Fondazione innovazione urbana Fondazione innovazione urbana: Boloana, Italia

GODDEK, Simon: WUR: Wagenin-

GORCZYCA, Katarzyna; Ph.D.; Jagiellonian University in Kraków, Institute of Geography and Spatial Management: Kraków. Polska

### REAL CORP 202

GRĂDINARU, Simona Raluca; PhD; University of Bucharest, CCMESI; Bucharest, Romania

GRAF, Angelika: Grazer Energiea gentur; Graz, AT

GRUBER, Christian Joachim; Joanneum Research, LIFE; Graz, AT

GUMBO, Trynos; Professor; University of Johannesburg, Urban and Reaional Plannina: Johannesbura, South

HAAS, Mara; DI; MetroLab/Superwien urbanism: Wien, AT

HAASE, Matthias; Zurich University of Applied Sciences, Institute for Facility Management; Wädenswil, CH

HABE, Nina Alisa: Dipl.-Ina.: TU Graz, Institut für Städtebau; Graz, AT

YEARS OF REAL CORE

HAGEN, Katrin; Dr.; TU Wien, Department of Landscape Architecture: Vienna AT

HAINOUN, Ali: Dr.: AIT Austrian Institute of Technology GmbH, Center of Energy; Vienna, AT

HAQBEEN, Jawad; Nagoya Institute of Technology, Department of Computer Science: Nagova, Japan

HARTWIG Lukas-University of Natural Resources and Life Sciences Institute for Transport Studies: Vienna, AT

HASELSTEINER, Edeltraud; Urbanity: Vienna, AT

HASENAUER, Hubert; Rector of the University of Natural Resources and Life Sciences: Vienna AT

HAUGER, Georg: Prof. Dr.: TU Wien, Raumplanung/E280-05 Verkehrssystemplanung; Vienna, AT

HÄUSLER, Axel; Prof. Dr.; Technische Hochschule Ostwestfalen-Lippe, Forschungsschwerpunkt nextPlace; Det-

HENNINGER Sascha: Prof Dr. Technische Universität Kaiserslautern, Fachbereich Raum- und Umweltplanung, Physische Geographie; Kaisers-

HERMENS, Sarah; RWTH Aachen University, Institute for Urban Design; Aachen DE



HERNANTES, Josune; Dr.; TECNUN - University de Navarra; San Sebas-

HIRSCHLER, Petra; TU Wien, Institut für Raumplanung; Wien, AT

HODZIC-SRNDIC, Natasa: Dipl.-Ing.; AustriaTech; Wien, AT



HOFSTETTER, Kurt: Dipl.-Ing.: Coordingtor of IBA Vienna 2022: Vienna,

HOHENECKER, Ning: BSc: TU Wien. Raumplanung/E280-05 Verkehrssystemplanung; Vienna, AT

HOLZER, Magdalena; Weatherpark GmbH: Wien, AT



HOPKINS, Lewis; Emeritus Professor; University of Illinois at Urbana-Champaign, Urban and Regional Planning; Urbana, USA

HOSSEINI RAVIZ, Seyed Reza; NTNU: Norwegian University of Science and Technology, Department of Computer Science: Trondheim, Norway

HU. Xuiie: Keio University, Media and Governance; Fujisawa City, Kanaaawa Prefecture, Japan

HURTADO, Petra; Research Director; American Planning Association, Research: Chicago, USA

IBRAHIM, Mohamed; prof. DR..; Faculty of Engineering, Alexandria University. Department of Architecture and Urban Planning; Alexandria, Egypt

IOJA, Ioan Cristian; Professor; University of Bucharest, CCMESI; Bucharest. Romania

ISA KAKROODI Negar- Architectpersonal atelier; Noshahr, Iran

ITO, Takayuki; Prof.; Kyoto University, Department of Social Informatics: Kyoto, Japan

Research and Development Office Ltd.: Mannheim, DE St Petersburg Russig

JACA, Carmen; Dr.; TECNUN - University de Navarra; San Sebastian,

#### REAL CORP 2021

JÄGER, Hanna: Institut für Geographie und Geoökologie, Humangeographie; Karlsruhe, DE

JÄGER, Maximilian; Dipl.-Ing.; AustriaTech: Wien, AT

IARDIM. Amanda Barbosa: M.Ena.: Technische Hochschule Ostwestfalen-Lippe, Forschungsschwerpunkt next-Place: Detmold, DF

JARZOMBEK, Harald: Mag.: Business Upper Austria - OÖ Wirtschaftsagentur GmbH: Linz, AT

IIRICKA-PÜRRER Alexandra: Priv-Doz DI Dr. Universität für Bodenkultur Wien, RALI / ILFN: Vienna, AT

JOBST, Markus; Dr.; TU Wien, Forschungsgruppe Kartographie; Wien, AT

JÓNA, László; Dr; Közgazdaság- és Regionális Tudományi Kutatóközpont; Rudanest Hungary

JUNGER, Lena; Dipl.-Ing.; BOKU, IRUB: Wien, AT

JUSCHTEN, Maria; MSc. PhD; Universität für Bodenkultur, RALI: Vienna,

ILIVARA Martina: Director: LIRRAN Silence: London, UK

KALHORN, Anna: TU Wien, Institut DE für Raumplanung; Wien, AT

KASSAB, Omnia; Teaching Assisstant; Faculty of Engineering, Alexandria University, Architectural Engineerina Department: Alexandria, Fayot



KAUFMANN, Lisa; Mag.; BOKU Vi-

KAUFMANN, Hans Rüdiger; Univer-IVANOVA, Ksenia; SPIIRAS Hi-Tech sity of Applied Management Studies;

KEESMAN, Karel; WUR; Wagenin-

KHAN PANNI, Mohammad Fateh Ali: BAC International Study Centre: Dhaka, Banaladesh

KHITEVA, Elena: Dipl.-Arch.: Southern Urban Plannina Center: Rostov-on-Don, Russia

KIRSCH-SORIANO DA SILVA Katharina; Dipl.-Ing. Dr.; Caritas der Erzdiözese Wien - Hilfe in Not. Stadtteilarheit: Wien AT

KISHIMOTO, Keidai; Graduate student; Keio University, Graduate School of Media and Governance: Fuiisawa.

KLOAS, Werner; Leibniz-Institut für Gewässerökologie und Binnenfischerei (IGR)- Rerlin Germany

KNAAP, Gerrit; Professor; University of Maryland, National Center for Smart Growth; College Park, USA

KOFLER, Viktoria: BSc: verkehrplus Prognose Planung und Strategiebergtung GmbH; Graz, AT

KOLB Retting: Vienna AT

KOLONTAY, Alexander: Dr. Genp-Ian Instiyute of Moscow; Moscow, Rus-

KONDZIELA, Andrea; Leibniz Universität Hannover, Institut für Gestaltuna und Darstellung; Hannover, DE

KÖRNER, Oliver: IGZ: Großbeeren,

KOSCHER, Raffael; Dipl.-Ing.; ÖIR GmbH: Vienna, AT

KOSZOWSKI, Caroline; Technische Universität Dresden, Friedrich List Faculty of Transport and Traffic Sciences Chair of Integrated Transport Planning and Traffic Engineering; Dresden, DE

KOZLOWSKA, Anna; MSc; AIT; Vienna. AT

KRAUSS, Jennifer; Universität Stuttgart IAT, Urban Governance Innovation: Stuttgart DE

KREBS, Roland: ZT MSC (URB) MBA: MetroLab/Superwien urbanism; Wien,

KROMBACH, Jonas; Rosinak & Partner ZT GmbH; Vienna, AT

KUBIN, Petra: DI BSc, BA: TU Graz: Hart bei Graz AT



KÜHNL, Marlene; M.Sc.; Company for Remote Sensing and Environmental Research (SLU): München, DF

KUPSKI, Sebastian: INKEK GmbH: Lohfelden, DE

KURTH, Detlef: Prof. Dr.-Ing.: TU Kaiserslautern, Lehrstuhl Stadtplanung; Kaiserslautern, DE

LAA, Barbara; DI BSc; TU Wien; Vienna Austria

LAHNSTFINER, Dagmar: Research Studios Austria FG - iSPACE: Salzbura

LAMOTTE, Isabel: Mag.: Österreich ischer Handelsverband: Wien, AT

LATINOS, Vasileios: ICLEI Europe: Freiburg, DE

LEFEBVRE, Olivier: Dr. Olivier Lefebvre Consultant; Paris, France

LEICHTLE, Tobias; Dr.; German Aerospace Center (DLR), Geo-Risks and Civil Security: Wessling, DE

JEOPA Sabina: Urbasofia Deputy Director: Bucharest, Romania

LEROY, Sophie; Endeavour; Antwerpen, Belaium

LETSOKO, Vuyiswa; Johannesburg,

### REAL CORP 2021

LICHTBLAU, Andreas: Univ.-Prof: TU Graz, Institut für Wohnbau; Graz, AT

LINDNER, Rene; DIN German Institute for Standardization: Berlin DE

LITZENBERGER, Martin; Dr.; AIT Austrian Institute of Technology GmbH, Center for Ditigal Safety and Security;

LOHRBERG, Frank; RWTH Aachen; Aachen, Germany

LOIBL, Wolfgang: Dr.: Vienna, AT

LOMBARDINI, Giampiero; Assistant Professor; University of Genova, Dipartimento Architettura e Desian: Genova

LORENS, Piotr; Prof. Dr.; Gdańsk University of Technology, Head of Department of Urban Design and Regional Planning; Gdańsk, Poland

#### **CITIES 20.50**

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#### **AUTHORS AND SPEAKERS**

LUCCHINI, Chiara; Dr; Torino, Italy

LÜCKERATH, Daniel; Dr.; Fraunhofer Institute for intelligent Analysis and Information Systems IAIS: Sankt Augustin.

LUDLOW, David: Ass. Professor: University of the West of England; Bris-



MAGANADISA, Kedibone; University of Johannesburg, Department of Urban and Regional Planning; Johannesburg, South Africa

MAGANADISA, Kedibone Precious; University of Johannesburg, Urban and Regional Planning; Johannesburg, RSA

MAICEN Marting: DI Dr. Graz Technical University, Institute of Urbanism. Graz AT

MAKONI, Eric; Dr; University of Johannesburg, Urban and Regional Planning: Johannesburg, South Africa

MALEKPOUR ASL, Behzad; Assistant Professor: Shahid Beheshti University. Urban and Regional Planning: Tehran.

MALHEIROS, Tadeu Fabrício: University of São Paulo; São Paulo, Brasil

MANGELS, Kirsten; Dr.-Ing.; Technische Universität Kaiserslautern, Lehrstuhl Regionalentwicklung und Raumordnung: Kaiserslautern DE

MARIĆ, Jelena; PhD Teaching assistant; University of Belgrade, Faculty of architecture, Department for urbanism; Belarade, Serbia

MARTIN, Klaus; Dr.; Company for Remote Sensing and Environmental Research (SLU); Munich, DE

MASOUMI, Homa; Shahid Beheshti University, Urban and Regional Plannina: Tehran, Iran

MATIEVSKII, Ilya; SPIIRAS Hi-Tech Research and Development Office Ltd.; St. Petersburg, Russia

MAYR, Stefan: DI: MetroLab/Superwien urbanism; Wien, AT

MBATHA, Siphwe Given; University of Johannesburg, University of Johannesbura: Johannesbura, South Africa

MBATHA, Siphiwe: University of Johannesburg, Urban and Regional Planning; Johannesburg, South Africa

MBINZA, Zenzile; University of Johannesburg, Urban and Regional Planning: Johannesburg, South Africa

MEINHARTER Erik: DI: PlanSinn Plan nuna & Kommunikation GmbH: Vienna.

MEISSNER, Ernst; Grazer Energieaaentur: Graz. AT

MEITA, Vasile; Dr. Urb.; INCD UR-BAN-INCERC: Buchgrest, Romania MEMMEL, Martin: Dr.: Deutsches

Forschungszentrum für Künstliche Intelligenz GmbH (DFKI), SmartCity Living Lab; Kaiserslautern, DE

#### REAL CORP 2021

MERK, Jule Stephanie: MSc.: Hochschule Karlsruhe Technik und Wirtschaft, IMM: Karlsruhe, DE

MILLINGER, Dietmar; Dr.; GREX IT services GmbH: Vienna, AT

MIRZA BABAEI, Sing: Architect: Sqpienza University Rome, Department of History, Design and Architecture Restoration: Rome, Italy

MITROFANENKO, Tamara; University of Natural Resources and Life Sciences Vienna; Vienna, Austria

MITTEREGGER, Mathias; Dr.; AustriaTech; Wien, AT

MOHAMED, Maryam; M.Sc. Student: Alexandria University, Architectural Engineering: Alexandria, Egypt

MONSEES, Hendrik; IGB; Berlin, DE

MORETTI, Beatrice; Researcher; University of Genova, Dipartimento Architettura e Design; Genova, Italia

MOYO, Thembani: University of Johannesburg, Urban and Regional Planning; Johannesburg, South Africa

MUALAM, Nir: Dr.: Technion- Israel Institute of Technology, Faculty of Architecture & Town Planning; Haifa, Israel

MÜH, Maximilian; M.Eng.; Technische Hochschule Ostwestfalen-Lippe, Forschungsschwerpunkt nextPlace: Detmold DF

MUHAR. Andreas: University of Natural Resources and Life Sciences Vienna: Vienna, Austria

NAKAYAMA, Shun; Keio University, Graduate School of Media and Governance: Kanaaawa, Japan

NEHLS, Thomas: TU: Berlin, DE

NEPPL, Markus; Prof.; Karlsruhe Institute of Technology, Neighbourhoodplannina: Karlsruhe, DE

NESS, Barry; Lund University; Lund, Sweden

NESSRINA, Hazem: Engineer: Faculty of engineering, Architecture; Alexandria, Egypt

NETSCH, Stefan; Prog.Dr.; Salzburg University of Applied Sciences, Smart City; Kuchl, AT

NEUHAUSER. Herbert: STRA-BAG AG, Building Construction and Civil Engineering Austria: Vienna, AT

OBST, Thomas; MSc.; High Performance Computing Center Stuttagrt HLRS. Vizualisation; Stuttgart, DE

OFFERNANS, Astrid; Maastricht University - Maastricht the Netherlands

OKACHA, Lojaina; Alexandria University; Alexandria, Egpyt

OLCZAK, Bartłomiei: M.Sc.Eng.: Lodz University of Technology, Institute of Architecture and Town Planning; Zgierz, Polska

OLDENBLIRG Carsten: M.Sc.: Technische Hochschule Ostwestfalen-Lippe, Forschungsschwerpunkt nextPlace; Detmold, DE

ONIYA, Ouwayeni; Dr; University of Johannesburg, University of Johannesburg; Johannesburg, South Africa

ONOSE Diana Andreea: PhD: University of Bucharest, CCMESI; Bucharest, Romania

OSMAN, Menatallah; Demonstrator; Alexandria University, Faculty of Engineering, Architectural Department; Alexandria, Egypt

ÖSTERREICHER, Doris: Dr.: Universität für Bodenkultur Wien, Institut für

Raumplanung, Umweltplanung und Bodenordnung: Wien, AT

OTTENBURGER, Sadeeb S.: Dr.: Karlsruhe Institute of Technology, Institute for Thermal Energy Technology and Safety; Eggenstein-Leopoldshafen, DE

PADILLA, Marielisa: Fraunhofer IAO. Fraunhofer IAO: Stuttgart, DE

PADSALA, Rushikesh; Hochschule für Technik: Stuttaart, DE

PAOLAZZI, Stefania; Fondazione innovazione urbana. Fondazione innovazione urbana; Bologna, Italia

PEINHARDT, Katherine: ICLEI Europe: Freiburg, DF

PENNINCX, Inge; , Department of Environment & Spatial Development Flanders: Brussels, Belgium

PETERSEN, Sobah Abbas: Associate professor: Trondheim, Norway

PFAFFENBICHLER, Paul; University of Natural Resources and Life Sciences, Institute for Transport Studies: Vienna

PFFIFFER. Alexander: Dr.: Danube University Krems; Krems, AT

PHOSHO, Mueletshedzi Helen; University of Johannesburg, Urban and Regional Planning; Johannesburg, South

PIETZSCH, Ursula; M.A.; Hochschule für Technik Stuttgart, Zentrum für Nachhaltige Energietechnik/zafh.net; Stutt-



PITANTI, Matilde; Researcher; University of Genova, Dipartimento Architettura e Desian: Genova, Italia

PLATZER, Mario; Mag.; yVerkehrsplanung; Graz, AT

PODRASA, Daniel; Karlsruhe Institute of Technology, Neighbourhoodplanning; Karlsruhe, DE

POPA, Ana-Maria: PhD Student: University of Bucharest, CCMESI: Bucharest, Romania



## **REAL CORP 2021**

#### **AUTHORS AND SPEAKERS**

POPESCU, Oana-Catalina; PhDC New Delhi, School of Planning and Archarest. Romania

POPOVICH Vasily V · Prof · SPIIRAS - Hi Tech Research and Development Office Ltd.; St. Petersburg, Russia

POPOVICH, Vasily; SPIIRAS Hi-Tech Research and Development Office Ltd.: St. Petersburg, Russig



POPOVICH, Tatiana: SPIIRAS Hi-Tech Research and Development Office Ltd.: St. Petersburg, Russia

PRANDTSTETTER, Matthias; DI Dr.; AIT Austrian Institute of Technology, Center for Energy: Vienna, AT

PREM Michelle- Vienna AT

PRETORIUS, Ockert; Johannesburg,

PRINZ, Thomas; Dr.; Research Studios Austria FG - iSPACE; Salzburg, AT

PSENNER Angelika: Assoc Prof Dipl.-Ing. Dr. TU Wien, Institute of Urban Design; Wien, AT

QIU, Chunping; Dr.-Ing.; Technical University Munich, Munich, Signal Processing in Earth Observation; Mu-

RADULOVA-STAHMER. Radostina: Dinl.-Ina. Arch: TU Graz/KIT, Institut für Städtebau; Graz, AT

RAMIÈRE, Cédric; DPLG; MetroLab/ CoCo architecutre: Cénac et Saint Ju-

RATHEISER, Matthias; Mag; Weatherpark GmbH: Vienna, AT

RAUH, Wolfgang; Dr. Dipl.-Ing.; previously ÖBB-Holding and VCÖ, now retired; Wien, AT

#### REAL CORP 2021

RALIT. Papiya Bandyopadhyay: School of Planning and Architecture, habil; Munich University of Applied Sci-

Urb. Phys; INCD URBAN-INCERC; Bu- chitecture, New Delhi; New Delhi, India

RAVEN, Jeffrey: Assoc, Professor: New York Institute of Technology (NYIT). Urban and Regional Design: New York

REINWALD, Florian: DI Dr.: Universität für Bodenkultur, RALI: Vienna, AT

RESSAR, Kim: University of Natural Resources and Life Sciences Vienna Vienna. Austria

RIMAL, Bhagawat; College of Applied Sciences, Tribhuvan University; Kirtipur, Nepal

RISIMATI, Brightnes; University of Johannesburg, Urban and Regional Planning; Johannesburg, South Africa

ROLLANDI. Annalisa: PhD student: Politecnico di Milano, DASTU: Milano,

RUSS, Martin; Dipl.-Ing.; Austria-Tech: Wien, AT

RYSER, Judith; CityScope Europe; London LIK

SAADALLAH, Dina; Associate professor; Faculty of Engineering, Alexandria University, Architectural Department: Alexandria, Egypt

#### REAL CORP 2021

SAHAB, Sofia: Dr.: Kvoto University, Department of Social Informatics:

SANCHEZ BENGOA, Dolores; University of Applied Management Studies Mannheim DE

SAPENA, Marta; Dr.; German Aerospace Center (DLR), German Remote Sensing Data Center (DFD); Wessling,

SCHAUPPENLEHNER, Thomas; University of Natural Resources and Life Sciences Vienna: Vienna, Austria

SCHITTENHELM, Corinna; TU Kaiserslautern, Lehrstuhl Stadtplanung; Kaiserslautern, DE

SCHMIDT, Ralf-Roman; AIT Austrian Institution of Technology, Center for Energy; Vienna, AT

SCHMITT, Michael: Prof. Dr.-Ing.

ences, Department of Geoinformatics; Munich, DE

SCHMITT Johanna: Research Studios Austria FG - iSPACE: Salzbura, AT



SCHODL, Reinhold; Prof. (FH) Dr.; University of Applied Sciences BFI Vienna: Vienna, AT

SCHRÖTER, Bastian; Prof. Dr.; Hochschule für Technik Stuttgart Center for Sustainable Energy Technology: Stutt-

SCHREINER, Sarah C.; Dr.; Urban Research and Development; Hamburg, Office Ltd.; St. Petersburg, Russia

SCHRENK, Manfred; Dipl.-Ing.; CORP - COnsulting Research Projects; Vienna AT

SCHÜLE, Ralf: Prof. Dr.: Bundesinstitut für Bau-, Stadt- und Raumforschung;

SCHWAB, Eva; DI Dr.; Graz Technical University. Institute of Urbanism: Graz, AT

SCHWEIGER Hans-Rernhard: DI Arch.; Dr. Döller Vermessung ZT GmbH;

SCHWEIGHART, Maria; Joanneum Research, LIFE; Graz, AT

SCHWIMMER, Edith; Universität Stuttgart IAT Building Culture Innovation: Stuttaart, DE

SEEBAUER, Sebastian; Joanneum Research, LIFE; Graz, AT

SEEWALD, Alexander: Dr.: Seewald Solutions; Weißkirchen an der Traun,

SEHER, Walter; Ass.Prof. Dr.; BOKU, IRUB; Wien, AT



SENGER, Magdalena; BSc; University of Graz. Department of Geography and Regional Science: Graz. AT

SERGI, Giovanni: Arch.: Senigallia.

SEYFRIED, Linda: MSc: verkehrplus Prognose Planung und Strategieberatuna GmbH: Graz, AT

SHAMS, Daniel; TU Wien, Institut für Raumplanuna: Wien, AT

SHEORAN, Robit: Fraunhofer IAO Fraunhofer IAO; Stuttgart, DE

SLAVE, Andreea Raluca: PhD, Student: University of Bucharest, CCMESI: Bucharest, Romania

SMETSCHKA, Barbara: Dr.: BOKU Vienna: Vienna, AT

SMIRNOVA, Oksana: Dr.: SPIIRAS - Hi Tech Research and Development

SÖLLNER, Martin; Mag.; Universität Wien. Sozialpsychologie und Konsumentenverhaltensforschung: Wien, AT

SOLTANI Salim: Julius-Maximilians-Universität Würzburg, Institute for Geography and Geology; Würzburg, DE

STANGEL, Michał: Professor: SIlesian University of Technology, Faculty of Architecture; Gliwice, Poland

STARK Juliane: Assoz Prof DI Dr. University of Natural Resources and Life Sciences, Institute for Transport Studies;

STAUBMANN, Claudia; DI; Metro-Lab/CoCo architecutre; Cénac et Saint

STAWECKA Gosia: Stadtl ABOR Innovationen für urhane Lebensaualität GmbH; Graz, AT

STEINBAUER, Matthias; DI Dr.; Variocube GmbH: Linz, AT

STÖFFLER, Sonja; MSc; Fraunhofer IAO, Mobility Ecosystems; Stuttgart, DE

#### REAL CORP 2021

STÖGLEHNER, Gernot; Univ.-Prof. Dr.; University of Natural Resources and Life Sciences, Institute of Spatial Planning, Environmental Planning and Land Rearrangement: Vienna, AT

#### **CITIES 20.50**

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#### 7-10 September 2021



#### **AUTHORS AND SPEAKERS**

STOLLNBERGER Romana: ALT Austrian Institution of Technology, Center for Energy: Vienna, AT

STRATMANN Antonia: RWTH Aachen University, Institute for Urban Design; Aachen, DE

SWAMIGOWDA. Kavyashree: Fraunhofer IAO, Fraunhofer IAO; Stuttaart. DE

SZFMZO, Hanna: Dr.: Metropolitan Research Institute Metropolitan Research Institute: Budapest, Hungary

TABANE, Isaac Tsholofelo; Masters dearee candidate: University of Johannesburg, Urban and Regional Planning: Johannesburg, South Africa

TACHE Antonio-Valentin: Dr. Urb Eng - INCD LIRBAN-INCERC - Buchgrest

TAKAYUKI, Ito: Prof.: Kyoto University, Department of Social Informatics:

TAUBENBÖCK, Hannes; Dr.; German Aerospace Center (DLR) German Remote Sensing Data Center (DFD); Wessling, DE

THINIUS. Andreas: traxventure research gGmbH; Hamburg, DE

THRÄN, Daniela; Prof. Dr.; Helmholz Center for Environmental Research, Department of Bioenergy: Leipzig, DE



THRUKHACHEV, Sergey; Dr. Arch.; Southern Urban Planning Center: Rostoy-on-Don, Russia

TIMM, Ingo; Prof. Dr.; Deutsches Forschungszentrum für Künstliche Intelligenz GmbH (DFKI), Cognitive Social Simulation: Trier, DE

TIRREL, Henning; University of Nicosia: Nicosia, Cyprus

TIWARY Abhishek De Montfort University School of Engineering and Sustainable Development: LE19BH, UK

TOBISCH, Susanne; BSc; TU Wien, Institute of Urban Desian: Wien, AT

TÖTZER, Tanja; Dr.; AIT Austrian Institute of Technology: Vienna, AT

TRELIDE Mong. Dipl.-Ökon. Wup. pertal Insitute, Urban Transition; Wuppertal, DE

TSCHANNETT, Simon; Mag.; Weatherpark GmbH: Wien, AT

TUMMERS, Lidewij; dr.ir; CORRINA; Rotterdam NI

UFER, Ulrich: Dr.: Karlsruhe Institute of Technology, Institute for Technology Assessment and Systems Analysis; Karl-

VAN HAUTE, Geert; Department of Environment & Spatial Development Flanders: Brussels, Belgium

VANIŠTA LAZAREVIĆ Evar PhD Full professor; University of Belgrade, Faculty of architecture, Department for urbanism; Belgrade,

VEGARA, Alfonso; Fundación Metropoli, Founder and Honorary President Madrid Spain

WAHL, Darin; Lund University; Lund, Swaden

WANG, Yuanyuan: Dr.-Ina.: German Aerospace Center (DLR), EOC: Munich, DF

WANKIEWICZ, Heidrun; Dr.in; Planwind; Salzburg, AT



WERER Cornelia: BSc - University of Natural Resources and Life Sciences. Institute for Transport Studies: Vienna

WEICHSELBAUMER, Roswitha; DI; Universität für Bodenkultur, RALI: Vienna. AT

WENDORFF, Jannik: RWTH Aachen University, Institute for Urban Design: Aachen DE

WENINGER. Andrea: Rosinak & Partner ZT GmbH; Vienna, AT

WERNBACHER, Thomas; MA, MSc; Danube University Krems, Center for Applied Game Studies: Krems, AT

WIELAND, Thomas; Dr.; Karlsruher Institut für Technologie, Institut für Geographie und Geoökologie; Karlsruhe,

WIESMEYR, Christoph; Dr.; AIT Austrian Institute of Technology GmbH, Center for Ditigal Safety and Security; Wien AT

WOESSNER, Uwe; Dr.-Ing.; High Performance Computing Center Stuttgart HLRS, Vizualisation;

Stuttaart, DE

WORSTER, Jakob; Digitalsunray; Viienna, AT

WÖSS, Christoph: DI: INNOVAMET-ALL Stahl- & Metallbau GmbH: Linz.

YAN, Wanalin: Professor: Keio University. Faculty of Environment and Information Studies: Fuiisawa, Japan

YOUSSEF, Daniel; Dipl.-Ing.; TU Wien, Institute for Spatial Planning:

7AMAN, Jan: Department of Environment & Spatial Development Flanders: Brussels, Belaium

7FHNER. Markus: German Aeropace Center (DLR), Geo-Risks and Civil Security; Wessling, DE

ZEILE, Peter; Dr.-Ing.; Karlsruhe Institute of Technology, Professur Stadtquartiersplanung: Karlsruhe DE

#### **REAL CORP 2021**

ZEITELHOFER, Christian; BSc; Technische Universität Wien: Wien, AT

ZHANG, Ruiyi; Phd student; Keio University, Graduate School of Media and Governance: Sagamihara City Kanagawa Pre., Japan

ZHU, Xiao Xiang; Prof. Dr.-Ing. habil; Technical University Munich, Signal Processing in Earth Observation: Munich, DE

ZISCAN, Zorina; ASEM; Chisinău, Moldova

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15 June 2021: Planning in Challenging Times and Circumstances

13 July 2021: State-of-the-art Technologies in Urban and Spatial Planning, Architecture and Construction

19 August 2021: The Future of Housing - High Quality, Sustainable, Smart, Affordable

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