

REAL CORP 2020

CONFERENCE PROGRAMME

25th International Conference on Urban Planning and Regional Development in the Information Society
1st Aachen Urban Design Conference
GeoMultimedia 2020

REAL CORP 2020:



SHAPING URBAN CHANGE LIVABLE CITY REGIONS FOR THE 21ST CENTURY

15-18 SEPTEMBER 2020

VIRTUAL CONFERENCE



C O R P

Kompetenzzentrum für
Stadtplanung und Regionalentwicklung



Competence Center of
Urban and Regional Planning | www.corp.at

Ministerium für Heimat, Kommunales,
Bau und Gleichstellung
des Landes Nordrhein-Westfalen



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150

Jahre RWTH
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WELCOME



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

WELCOME to REAL CORP 2020, the 25th International Conference on Urban Planning, Regional Development, Information Society and Urban, Transport, and Environmental Technologies!

REAL CORP 2020 under the topic “Shaping Urban Change” tries to explore the common things in different trends which can be seen in urban development around the globe.

Historic administrative boundaries do not represent real urban structures any more, cities expand beyond these boundaries and form metropolitan regions, which may even result in transnational functional urban areas and agglomerations. In almost all cases it is of utmost importance to coordinate urban development between several governments, administrative authorities and institutions on different levels, but this task turns out to be a quite difficult one.

Cities and regions are hungry for resources and see themselves opposed to density and environmental problems as well as other threats, nevertheless sustainability, resilience, high quality of life and considerate exploitation of natural resources are central goals of urban development. New technologies and digitisation play an essential role in the development of cities, urban regions and

metropolises – without appropriate urban, environmental and mobility technologies it would hardly be possible to see urban development, maintenance of functionality and creation of livable urban areas.

In parts of the world – particularly in China and India, but also in Japan and South-East Asia, and in parts of South America, Africa and the Gulf region – cities and metropolises are growing undamped and hundreds of millions of people are attracted to cities. However, in numerous European cities and agglomerations we can currently see two kinds of processes which may appear to be contradictory at first glance: reurbanisation and regionalisation. The return to core cities as a place of life has a lot of reasons, but it is strongly linked to changes in the working environment and the trend to combine working and living much more as it were possible in suburban fringe areas. But many city centres are lacking affordable housing space, whereas there are plenty of vacancies in the surroundings. Wrong allocations create unnecessary commuter flows.

REAL CORP 2020 aims to discuss strategies and concepts for quality change management in the light of the challenges outlined above, which arise in neighbourhoods, cities, urban regions and metropolitan areas. This also raises the question of who the actual actors of current urban, regional and metropolitan regional development are and what role planners can play in the corresponding scenarios.

The renowned RWTH Aachen in the historical European medium sized city of Aachen, in the German federal state of North Rhine-Westphalia with its rich mining and industrial tradition, located in a cross-border city region in the border triangle Germany-Belgium-Netherlands, is the ideal place to discuss these developments and challenges with experts from all over the world.

This year we brought together some 250 participants from more than 40 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 RWTH Aachen – Department of Urban Design. We would like to acknowledge the Reviewer Team and Programme Committee members for their valuable voluntary help with the review process. Our thanks go to all participants and authors of the submitted papers as well.

The proceedings of this year's conference contain around 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 the 25th International Conference on Urban Planning and Regional Development in the Information Society, REAL CORP 2020. The non-reviewed papers were accepted by the programme committee after a double-blind abstract review. The conference is held from 15 to 18 September 2020 in Aachen, Germany, in co-operation with RWTH Aachen – Department of Urban Design and Ministry for Regional Identity, Communities and Local Government, Building and Gender Equality of the Land of North Rhine-Westphalia.

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



Christa Reicher, Aachen, Germany;
RWTH Aachen,
Local Host of REAL CORP 2020

WELCOME to REAL CORP 2020, the 25th International Conference on Urban Planning, Regional Development, Information Society and Urban, Transport, and Environmental Technologies!

At the beginning of the 21st century, the question of how we should shape the future of our cities and regions is more important than ever. Urban spaces are becoming the central form of organization of almost all human societies. In the emerging and developing countries, the force of the urbanization surge is becoming visible. The urban population is growing as people move out of rural areas; this growth process is accompanied by social change. In many parts of Europe a fundamental paradigm shift is taking place: from a phase of shrinking and stagnation to enormous growth of cities and regions. It is not only the large cities that are coming under real pressure; medium-sized and small towns and cities are also facing the challenge of how to meet the demands of climate change and the associated need to secure open spaces on the one hand, and to densify and make available space for living and working on the other.

Many inner cities lack affordable housing, while at the same time the surrounding area suffers from vacancies. Incorrect allocations generate unnecessary commuter flows. Against this background, intermunicipal cooperation is an obvious way of achieving the necessary balance between different development dynamics. The current intensive discourse on "Low Carbon Cities" or "Smart Cities", the question of the future development of cities under the conditions of climate change, the use of energy-saving technologies and the foreseeable depletion of fossil resources, raises concrete questions about future urban development and urban design that can only be answered in part so far. In the search for concepts and strategies, sustainability, resilience, a high quality of life and careful use of natural resources are among the central objectives of urban and spatial development.

Within the framework of REAL CORP 2020, global transformation processes and experiences will be discussed on the one hand, while on the other hand there will be an in-depth examination of individual German regions such as "Rheinisches Revier" and Lausitz, where political decisions to phase out lignite mining have raised pressing questions about the future prospects of regions: What does a climate-neutral model region of the 21st century look like? What strategies, concepts and processes can be used to successfully restructure a region that has been characterised by mining, industry and resettlement since the 19th century?

The future urban planning objectives will have to provide answers to the general challenges as they apply more or less to all cities and urban regions - regardless of whether cities are growing or shrinking, regardless of whether cities want to become metropolises, regional cities or explicit green cities. Often such simplistic dualisms do not face each other anyway, but are part of a comprehensive and contradictory transformation process that cities go through in the course of their history.

Against the background of the transformation tasks ahead, it is clear that urban design is slowly but noticeably becoming a „supreme discipline“ again. This is why REAL CORP 2020 is also the 1st Aachen Conference on Urban Design. This format is intended to lead the international discourse on a contemporary understanding of urban development and to promote an exchange of strategies and concepts between research, practice and politics. After all, urban design and urban development must offer spatial and strategic concepts that ensure a sustainable quality of life for all.

Welcome to Aachen!

Christa Reicher, Canan Çelik and the whole team of the Institute of Urban Design at RWTH Aachen University

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WELCOME



Ina Scharrenbach, Aachen, Germany;
Ministerin für Heimat, Kommunales,
Bau und Gleichstellung des Landes
Nordrhein-Westfalen

WELCOME to REAL CORP 2020, the 25th International Conference on Urban Planning, Regional Development, Information Society and Urban, Transport, and Environmental Technologies!

Die Städte und Regionen entwickeln sich weltweit mit einer atemberaubenden Dynamik. Rund um den Globus steht die Stadtplanung vor ähnlichen Fragestellungen: Wie sorgen wir trotz hoher Verdichtung für Lebensqualität? Wie machen wir die Städte widerstandsfähig gegenüber extremen Wetterlagen? Wie organisieren wir eine zukunftsfähige Mobilität? Wie kooperieren Großstädte und das Umland, mit dem sie immer enger verflochten sind?

„Shaping urban change“ lautet das Gebot der Stunde. Wir müssen und wir können den Wandel der Städte gestalten – auch, indem wir innovative Technologien konsequent nutzen. Die Stadt der Zukunft wird „smart“ sein. Wir brauchen digitale Anwendungen, um die begrenzten Ressourcen effizient zu nutzen, die Verkehrsströme intelligent zu lenken und die urbane Infrastruktur insgesamt zu steuern. Ein Baustein des Erfolgs ist dabei der grenzübergreifende Austausch zwischen Praxis und Wissenschaft. Was lokal erprobt wurde und sich bewährt hat, verdient es, global diskutiert und eingesetzt zu werden. Für diesen internationalen Diskurs sorgen Formate wie die REAL-CORP-Konferenzen. Deshalb kooperiert Nordrhein-Westfalen sehr gern bei der diesjährigen 25. Ausgabe – und das umso mehr, da der Kongress zum 150. Jubiläum der weltweit renommierten RWTH in Zusammenarbeit mit dem dortigen Institut für Städtebau stattfindet.

Digitalisierung ist in diesem besonderen Jahr 2020 auch eine Herausforderung für die Veranstalter. Ich wünsche der virtuellen Ausgabe der REAL-CORP-Tagung ein interessiertes weltweites Publikum und allen Konferenzteilnehmerinnen und -teilnehmern erkenntnisreiche Tage, einen lebhaften Austausch und wertvolle Impulse für ihre Arbeit. Schließlich hoffe ich, dass Sie bald auch persönlich die Gelegenheit finden werden, Nordrhein-Westfalen und die ebenso traditionsreiche wie technologieaffine Stadt Aachen zu besuchen.

Ina Scharrenbach
Ministerin für Heimat, Kommunales, Bau und Gleichstellung des Landes Nordrhein-Westfalen

Chair of Urban Design Institute for Urban Design and European Urbanism

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The Chair and Institute for Urban Design deals with complex urban structures, reaching from the regional to the city context and from the quarter to related architectural questions. Based on historically-evolved urban structures we focus on the design, development and reshaping of future-proof cities and districts under consideration of their technical, ecological, economic and socio-cultural circumstances. Thematic emphases include regionally different demographic and economic developments, the simultaneity of growth and shrinkage processes, changes in living and working conditions, as well as infrastructural innovation.

The focus of teaching is on urban development, including typological components of the city as well as basic principles and methods of urban design. In this way, a principal understanding of urban complexity and cause-and-effect relationships as well as instruments for the evaluation and design of liveable urban spaces shall be developed. Complementary content includes topics from urban and regional planning, technical infrastructure, planning law, urban land-use planning, construction in the context of cultural heritage, and methods of representation in urban planning. As a rule, current key research areas are included in teaching and learning activities.

The Working Lab Urban Heritage Management, which is affiliated to the Chair and Institute of Urban Design, deals with the “memory” of the city, the significance of the historic building structure with regard to the identity of the city and into tomorrow’s urban development. Players from university, science and practice suggest among other activities an annual conference on urban heritage management and a series of publications entitled “Contributions to Urban Heritage Management” to establish ties between teaching, research and practice in the municipalities.

www.staedtebau.rwth-aachen.de



Ulrich Rüdiger, Aachen, Germany;
Rector RWTH Aachen,
Univ.-Prof. Dr. rer. nat. Dr. h. c. mult.

WELCOME to REAL CORP 2020, the 25th International Conference on Urban Planning, Regional Development, Information Society and Urban, Transport, and Environmental Technologies!

For more than 150 years, the city of Aachen and RWTH Aachen University have been growing together and they have shaped each other in their development.

As a result of the Excellence Initiative, RWTH Aachen has developed into an „Integrated Interdisciplinary University of Science and Technology“ in recent years. Thus, both the university and the city as a science location have become even more interesting to people from Germany and the whole world, to study, do research and live. These developments and diverse influences are leading to new requirements, not only within the university, but also in terms of the transformation of regions, cities and neighborhoods, which in addition should meet our lifestyles in the 21st century.

I am very pleased that this year the 1st Aachen Urban Design Conference is being organized by the Faculty of Architecture and that these major social and spatial challenges are being addressed. With regard to the topic “Shaping Urban Change. Livable City Regions for the 21st Century” it will be possible to discuss future-oriented questions with experts.

It is of course very unfortunate that the conference cannot take place as planned due to the corona pandemic, but – in the spirit of science – the organizers have sought alternative solutions and added digital components to the conference so that this important topic can be dealt with without delay. For us as a science region, it is important to encourage transformation processes, with the aim of integrating technologies, innovations and knowledge from research and teaching into urban planning, and at the same time to design the university with an eye to urban development.

I wish all of you stimulating discussions and an interesting conference!

With kind regards

Univ.-Prof. Dr. rer. nat. Dr. h. c. mult. Ulrich Rüdiger

CONFERENCE MAIN TOPICS

- Transforming City Regions – Constant Changes on all Scales
- Rise of Metropolises
- Climate Change and Imminent Natural Disasters
- Re-Mixing the City: Concepts and Perspectives for Mixed Use in Future Cities
- Cities for all – Integration, Public Welfare, Participation and Co-Creation
- Smart Country & Co: What about the Countryside?
- Cities and Technologies, Real Smart Cities, Intelligent Cities – High Tech and High Quality of Life: Best Practises and Concepts for the Future
- Role of Urban Planning and Urban Planners in Shaping Cities and City Regions of the Future
- Technology-driven Resources and Tools for Urban and Regional Planning
- Demographic Change: Aging, Rise of the Young, Migration
- New Cities around the Globe – Capital Cities and Thematic Cities

KEYNOTE AND INVITED SPEAKERS



Manfred Schrenk studied spatial planning and regional science at Vienna University of Technology where he extensively worked on urban and transport planning. His fields of specialisation 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



Christa 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



Frank 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 placemaking, 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



Maarten Hager holds MA degrees in Urban and Regional Planning, Political Science as well as a PhD in Politics from University of Oxford. During the 1990s he worked as researcher in Leiden, Munich, and The Hague before he was appointed Chair at the University of Amsterdam (UvA). He fulfilled many societal roles such as as member of the Governing Board of the Amsterdam Arts Council and the Van Eesteren, Fluck van Lohuizen Stichting (EFL); as member of the VROMraad, the advisory board to the Ministry of Public Housing, Spatial Planning and the Environment, The Hague; or as jury chair and member for various prizes in architecture and philosophy. From 1998 to 2015 he held the Chair of Public Policy at the UvA. The Dutch Cabinet appointed him as Director of the Netherlands Environmental Assessment Agency in 2008 which term ended in 2015.

Maarten Hager, Utrecht, The Netherlands; Professor for Urban Futures at Utrecht University, Department of Geo Sciences

KEYNOTE AND INVITED SPEAKERS



The explosive growth is a challenge many metropolises around the world have to face on inter-related issues as Transport, Housing, Development Governance, Environment, Social, Economic, Infrastructures, etc. It is a new phenomenon which requires new knowledge, new approaches and new management procedures. Pedro B. Ortiz is one of the very few professionals around the world with extensive experience in this issue. He approaches metropolitan issues in a integrated way. He has recently published with McGraw Hill "The Art of Shaping the Metropolis" which is changing the approach to Metropolitan Management and Planning many cities are taking around the world. He was in charge of the Metropolitan Plan of Madrid 1996 and had to integrate environment, transport, economic activities, social facilities and housing, under the scope of governance.

Pedro B. Ortiz, Washington, D. C., USA; Planner and Manager of Metropolitan Issues



Achim Kampker has been head of the Chair of Production Engineering of E-Mobility Components at RWTH Aachen University since 2014. Prior to this, he was head of the Chair of Production Management at the Laboratory for Machine Tools and Production Engineering (WZL) of RWTH Aachen University. As co-founder and managing director of StreetScooter GmbH (2010–2019), he was significantly involved in the development of the postal vehicle StreetScooter. In addition to his professorship, he is dedicated to sustainable projects, including the association "Ingenieure retten die Erde e. V." (Engineers save the earth) founded in June 2019. He is a member of the Agora Verkehrswende, the NRW Expert Council on e-mobility, the founding commission of the Agency for Jump Innovations and is also involved in the National Platform for Electric Mobility.

Achim Kampker, Aachen, Germany; RWTH Aachen, Chair of Production Engineering of E-Mobility Components



Pietro Elisei is an experienced urban and regional planner skilled in sustainable development, strategic planning, urban planning, feasibility studies and 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 planum.net Secretary General and former ISOCARP Vice President.

Pietro Elisei, Bucharest, Romania; Managing Director of URBA SOFIA



Christian Geiß received his MSc degree in applied geoinformatics from the Paris Lodron University of Salzburg, Austria, in 2010, and the PhD. degree from the Humboldt University of Berlin, Germany, in 2014. Since 2010, he has been with the German Remote Sensing Data Center (DFD), German Aerospace Center (DLR), Weßling, Germany. In 2017, he was also with the Cambridge University Centre for Risk in the Built Environment (CURBE), University of Cambridge, UK, as a visiting scholar. His current research interests include the development of machine learning methods for the interpretation of earth observation data, multimodal remote sensing of the built environment, exposure and vulnerability assessment in the context of natural hazards, and techniques for automated damage assessment after natural disasters.

Christian Geiß, Weßling, Germany; German Aerospace Center (DLR), German Remote Sensing Data Center, Geo-Risks and Civil Security

KEYNOTE AND INVITED SPEAKERS



Peter Pol is a Senior Strategic Planner and currently working as strategic advisor at the City of The Hague. He is an expert on large scale urban developments related to sustainability, economics and mobility and works close together with other large cities in The Netherlands and the Eurodelta. Peter has a background in urban economics and was involved in numerous international comparative urban studies. He developed his PhD research on the topic "A Renaissance of Stations, Railways and Cities, Economic Effects, Development Strategies and Organisational Issues of European High-Speed-Train Stations" at the Erasmus University of Rotterdam.

Peter Pol, The Hague, The Netherlands; Strategic Advisor at the City of The Hague



Cecilia Braun, PhD, is an expert on integrated spatial planning with academic experience from Switzerland, Austria, Belgium, Spain, Denmark, and the Netherlands. Until recently she was employed as a project manager in infrastructure and mobility for the Metropolregion Rheinland in Germany. Currently she is working as an advisor on the Eurodelta-SURE Network. She developed her PhD research on the topic "Integrated Spatial and Inland Port Development in River Basins of European Importance (based on the example of the Rhine-Alpine Corridor)" at ETH (Eidgenössische Technische Hochschule) Zurich in 2018.

Cecilia Braun, Cologne, Germany; Advisor on the Eurodelta-SURE Network



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

Eva Vanista Lazarević, Belgrade, Serbia; Professor of Urbanism at University of Belgrade



Franz-Reinhard Habbel gehört als Herausgeber von Sachbüchern, Redner und Mitglied hochkarätiger Fachgremien zu den führenden Köpfen der Einführung von E-Government in Deutschland. Habbel leitete ab 1978 das Kreistagsbüro des Hochsauerlandkreises. Seine erste Sprecherposition erhielt er 1982 beim Städte- und Gemeindebund Nordrhein-Westfalen sowie beim Landesverband des Deutschen Städte- und Gemeindebundes (DStGB), Düsseldorf. 1998 wurde er bundesweiter Sprecher des DStGB in Berlin und bekleidet diese Position bis heute. Als Sprecher dieses kommunalen Spitzenverbandes artikuliert er die Interessen von 11.000 Kommunen in Deutschland. Er ist Gründer und Leiter des Innovators Clubs des DStGB. Darin befassen sich rund 40 Oberbürgermeister, Bürgermeister und Landräte sowie Führungskräfte aus Politik, Wirtschaft und Wissenschaft interdisziplinär mit strategischen Zukunftsthemen der Kommunen.

Franz-Reinhard Habbel, Berlin, DE; Publizist, Gründer KOMMUNAL.HUB, Beigeordneter a. D. Deutscher Städte- und Gemeindebund

https://de.wikipedia.org/w/index.php?title=Franz-Reinhard_Habbel

CONFERENCE TIMELINE

Tuesday, 15 September 2020

Channel 1	Channel 2	Channel 3	Channel 4
Welcome			
Introduction			
Break			12:00-13:00
Opening Keynotes			13:00-14:30
Break			14:30-14:45
Presentations	Presentations		14:45-15:45
Break			15:45-16:00
Presentations	Presentations		16:00-17:00
Break			17:00-17:45
Music			17:45-18:00
Rheinisches Revier			18:00-19:30

Wednesday, 16 September 2020

Presentations	Presentations	Presentations	09:00-10:00
Break			10:00-10:15
Presentations	Presentations	Presentations	10:15-11:15
Break			11:15-11:30
Presentations	Presentations	Presentations	11:30-12:30
Break			12:30-13:30
Keynotes			13:30-14:30
Break			14:30-14:45
Presentations	Presentations	Presentations	14:45-15:45
Break			15:45-16:00
Presentations	Presentations	Presentations	16:00-17:00
Break			17:00-17:45
Music			17:45-18:00
Transformation	Open Discussion		18:00-19:30

Thursday, 17 September 2020

Presentations	Presentations	Presentations	09:00-10:00
Break			10:00-10:15
Presentations	Presentations	Presentations	10:15-11:15
Break			11:15-11:30
Presentations	Presentations	Presentations	11:30-12:30
Break			12:30-13:30
Keynotes			13:30-14:30
Break			14:30-14:45
Forschungskolleg NEQ	Presentations	Presentations	14:45-15:45
Break			15:45-16:00
Forschungskolleg NEQ	Presentations	Presentations	16:00-17:00
Break			17:00-18:00
Diskussion NEQ	Open Discussion		18:00-19:30

Friday, 18 September 2020

Presentations	Presentations		09:00-10:00
Break			10:00-10:15
Presentations	Presentations		10:15-11:15
Break			11:15-11:30
Presentations	Presentations		11:30-12:30
REAL CORP Closing: Final Discussion, Conclusion, Outlook			12:30-13:00

SCHEDULE

Tuesday, 15 September 2020 – may be subject to changes

Time	Channel 1
10:00- 10:45	Welcome and Intro to CORP 2020 at RWTH Aachen and in Virtual Space Prof. Christa REICHER, Manfred SCHRENK Welcoming Words by Rector Prof. Ulrich RÜDIGER, Dean Prof. Sabine BRÜCK, ISOCARP Secretary General Frank D'HONDT and Minister Ina SCHARRENBACH
10:45- 12:00	Introductory Keynotes
	 Transforming City Regions – Challenges and Strategies Prof. Christa REICHER Chair and Institute of Urban Design, RWTH Aachen University
	 Challenges and Solutions for Urban and Regional Development in Aachen City and Region DI Frauke BURGDORFF City of Aachen, Department Head for Planning, Construction and Mobility <small>Photo: Stadt Aachen / Bernd Büttgens</small>
12:00- 13:00	Break
13:00- 14:30	Keynotes
	 Imagining Urban Futures Prof. Maarten HAJER Director Urban Futures Studio, Utrecht, Netherlands <div style="background-color: red; color: white; padding: 5px; margin-left: 20px;"> Free public access to opening: https://realcorp2020.plazz.net/ </div>
	 The Art of Shaping the Metropolis Dr. Pedro B. ORTIZ Planner and Manager of Metropolitan Issues, Washington D. C., USA, and Madrid, Spain
	Future Urban Growth? With Whom? For Whom? How? Dr.-Ing. Christian C. WALLOTH Walloth Urban Advisors; Brussels, Belgium
14:30- 14:45	Break

SCHEDULE

Tuesday, 15 September 2020 – may be subject to changes

Channel 1	Channel 2	Time
<p>State Of The Art and Upcoming Urban (Planning) Technologies Chair: Jan-Philipp EXNER, Manfred SCHRENK</p> <p>Contributions by</p> <p>Jan-Philipp EXNER: Which Trends will Influence Urban Planning in the Future? Renewable Energies and Energy Supply in the Context of Urban Planning AWS-Institut für digitale Produkte und Prozesse, Saarbrücken, DE</p> <p>Manfred SCHRENK: Game Changing Technologies in Urban Planning and Construction Chairman CORP, Vienna, AT</p> <p>Hans Rüdiger KAUFMANN: DevOps Univ. of Applied Management Studies; Mannheim, DE</p> <p>afterwards Open Discussion</p>	<p>Emergencies, Disasters, Epidemics and the Role of Urban Planning I Chair: Katharina GUGERELL</p> <p>Communities and Space – Post-Corona Avenues for “New Normals” in Planning Research Christian LAMKER, Lummina HORLINGS, Emma PUERARI University of Groningen, Department of Spatial Planning & Environment; Groningen, The Netherlands</p> <p>🏆 Urban Planning and Corona Spaces – Scales, Walls and Coincidences Gösta BAGANZ*, Daniela BAGANZ**, Werner KLOAS**, Frank LOHRBERG*** * Faculty of Architecture, RWTH Aachen University; Aachen, DE ** Leibniz-Institute of Freshwater Ecology and Inland Fisheries; Berlin, DE *** Institute of Landscape Architecture, RWTH Aachen University, ; Aachen, DE</p> <p>Livelihoods Resilience amid the Covid-19 Pandemic: Experiences from Thohoyandou, South Africa Emaculate INGWANI*, Shylet NYAMWANZA*, Trynos GUMBO**, Thembani MOYO** * University of Venda, Urban and Regional Planning; Thohoyandou, South Africa ** University of Johannesburg, Department of Town and Regional Planning; Johannesburg, South Africa</p> <p>The Art of Curating an Accessible, Safe & Inclusive City Nanda Kishore ALEGALA NAGABHUSHANAM, Kanika BANSAL National Institute of Urban Affairs, Inclusive Development; New Delhi, India</p>	14:45-15:45
		TUESDAY
		FRIDAY
		THURSDAY
		WEDNESDAY

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SCHEDULE

Tuesday, 15 September 2020 – may be subject to changes

Time	Channel 1	Channel 2
16:00- 17:00	Contemporary Developments and Response of the Planning Profession in Major Cities Coordination and Chair: DI Manfred SCHRENK	Emergencies, Disasters, Epidemics and the Role of Urban Planning II Chair: Christian LAMKER
TUESDAY	INTRO AND KEYNOTES The Construction Boom in Belgrade after Democratic Changes – Foreign Investments Populist Strategy Eva VANIŠTA LAZAREVIĆ University of Belgrade, Urbanism and Urban Planning; Belgrade, Serbia The London Plan Judith RYSER CityScope Europe, Urban Thinker; London, UK Contributions and Interventions by <ul style="list-style-type: none"> • Mete BAŞAR BAYPINAR, Istanbul University • Trynos GUMBO, University of Johannesburg • Frank D'HONDT, Secretary General ISOCARP • and others afterwards Open Discussion with all speakers	Adaptive Architecture and Urbanism Santosh Kumar KETHAM Universität Innsbruck, Institute for Experimental Architecture; Innsbruck, AT From Physical to Virtual Public Spaces amid Covid 19: Experiences from Youths in Musina Local Municipality, South Africa Shylet NYAMWANZA*, Emmaculate INGWANI*, Trynos GUMBO**, Andisa MUFUNGIZI** * University of Venda, Urban and Regional Planning; Thohoyandou, South Africa ** University of Johannesburg, Urban and Regional Planning; Johannesburg, South Africa
WEDNESDAY		How the SHAREPLACE Pilot Regions Deal with the Corona Crisis Natasa HODZIC-SRNDIC, Lina MOSSHAMMER, Florian KRESSLER AustriaTech, Mobilitätswende & -ökosysteme; Wien, AT
THURSDAY		
FRIDAY		
17:00- 17:45	Break	
17:45- 18:00	Music by Till Mirkes (live from Reiff Foyer, RWTH Aachen)	

SCHEDULE

Tuesday, 15 September 2020 – may be subject to changes

Channel 1	Time
Transformation von Braunkohleregionen: das Rheinische Revier und die Lausitz	18:00-19:30
in German language with English interpreting	
LIVEÜBERTRAGUNG aus der RWTH Aachen, Reiff-Foyer LIVE BROADCAST from RWTH Aachen, Reiff Foyer	
Begrüßung und Einführung: Prof. Christa REICHER, RWTH Aachen Dr. Margarethe SCHMEER, Bürgermeisterin der Stadt Aachen	
Moderation Prof. Christa REICHER, RWTH Aachen University Prof. Bernd MATHIEU, Journalist	
Herausforderungen und Roadmap der Zukunftsregion Rheinisches Revier	
Statements und Diskussionsrunde: Prof. Dr. Ulrich RÜDIGER, Rektor der RWTH Aachen Ralf STERCK, Geschäftsführer Zukunftsagentur Rheinisches Revier ZRR Alexandra LANDSBERG, Leiterin der Stabsstelle Strukturwandel im Rheinischen Revier, Ministerium für Wirtschaft, Innovation, Digitalisierung und Energie des Landes NRW Klaus AUSTERMANN, Ministerium für Heimat, Kommunales, Bau und Gleichstellung des Landes NRW	
Welche Konzepte und Anliegen verfolgen die Kommunen und Tagebauumfeld-Initiativen?	
Statements und Diskussionsrunde: Volker MIELCHEN, Geschäftsführer Zweckverband LandFolge Garzweiler Jens BRÖKER, Entwicklungsgesellschaft indeland Thomas HISSEL, Beigeordneter, Stadt Düren Joachim SCHWISTER, Technischer Beigeordneter Stadt Kerpen	
Der Strukturwandel in der Lausitz: Was können wir aus den Transformationsprozessen lernen?	
Statements und Diskussionsrunde: Prof. Rolf KUHN, ehem. Direktor IBA See Lausitz V.-Prof. Dr. Verena BALZ, BTU Cottbus-Senftenberg Prof. Dr. Suntje SCHMIDT, ISR Erkner, Humboldt-Universität zu Berlin, RWTH Aachen University Dr. Peter JAKUBOWSKI, BBSR Bonn	
Welche Erfahrungen lassen sich aus anderen Transformationsprozessen gewinnen?	
Statements und Diskussionsrunde: Dr. Irene WIESE VON OFEN, ehem. Baudirektorin der Stadt Essen Hans-Dieter COLLINET, Förderverein aachen_fenster Franz Rheinhard HABEL, Publizist, Gründer KOMMUNAL.HUB, Beigeordneter a. D. Deutscher Städte- und Gemeindebund	<p>Free public access: https://realcorp2020.plazz.net/</p>

SCHEDULE

Wednesday, 16 September 2020 – may be subject to changes

Time	Channel 1	Channel 2
09:00- 10:00	Real Smart Cities Chair: Pietro ELISEI	Nachhaltige Planungsmethoden Moderation: Lidewij TUMMERS
TUESDAY WEDNESDAY THURSDAY FRIDAY	<p>🏆 Approaches of Flexible Spatial Planning to Sustainable Cities Antonia STRATMANN RWTH Aachen University, Faculty of Architecture, Department of Urban Design; Aachen, DE</p> <p>🏆 Smart Cities – a New Revitalisation Approach for Shrinking Cities? Jakob SCHACKMAR Technische Universität Kaiserslautern, Technische Universität Kaiserslautern; Kaiserslautern, DE</p> <p>Innovative Sustainable Energy Solutions in Smart Cities Alla OSKINA La Sapienza, Economics; Rome, Italy</p> <p>🏆 DevOps Competences for Smart City Administrators Hans Rüdiger KAUFMANN*, Dolores SANCHEZ BENGOA*, Angeliki KOKKINAKI**, Omilos IATRELLIS***, Achilles KAMEAS****, Christoph SANDBRINK*, Altheo VALENTINI***** * University of Applied Management Studies; Mannheim, DE ** University of Nicosia, Dean School of Business; Nicosia, Cyprus *** University of Thessaly; Larissa, Greece **** Daisy Research Group; Rio, Patras, Greece ***** Assoziatione Centro Studi di Foligno, Senior Researcher; Foligno PG 06034, Italy</p> <p>Presentations marked with 🏆 are reviewed papers</p>	<p>🏆 Smart Through Gender+: Kernthemen für eine inklusive Stadtplanung am Beispiel Linz (Austria) Heidrun WANKIEWICZ*, Lidewij TUMMERS** * Corrina – Collaborative Regional Research & Innovation Agency, planwind.at – planning.management.research; Salzburg, AT ** Corrina – Collaborative Regional Research & Innovation Agency, Leibniz-Universität Hannover; Hannover, DE</p> <p>🏆 Kommunale Profile zur Prüfung möglicher Übertragbarkeiten von lokalen Entwicklungskonzepten Katharina GRAF*, Petra VON BOTH** * KIT; Karlsruhe, DE ** KIT, Building Lifecycle Management; Karlsruhe, DE</p> <p>🏆 Erweiterte typologische Betrachtung als Werkzeug zur Integration von Nachhaltigkeitsaspekten in Stadtplanungsprozesse Stefan STAEHLE, Jörn ZITTA, Katharina BUSEINUS, Alexandra RODE Hochschule Kaiserslautern, INBG – Institut für nachhaltiges Bauen und Gestalten; Kaiserslautern, DE</p>

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SCHEDULE

Wednesday, 16 September 2020 – may be subject to changes

Channel 3	Channel 4	Time
Case Studies on Planning I Chair: Uschi DORAU		09:00-10:00
City for All: Livable Peripheral Neighbourhoods in Ruse (Bulgaria) through Advanced Mobility Measures Lucia ILIEVA CSDCS; Sofia, Bulgaria		
Between Urban Transformation and Everyday Practices – Participation and Co-Production in the City of Tarija, Bolivia Fabio BAYRO-KAISER RWTH Aachen University, Chair and Institute for Urban Design; Aachen, DE		
Finding a Midpoint between Civil and Military Use. The Case of Villaputzu (Sardinia, Italy) Ginevra BALLETTO*, Giuseppe BORRUSO**, Alessandra MILESI* * University of Cagliari, Department of civil, environmental and architecture engineering; Cagliari, Italy ** University of Trieste, Department of Economic, Business, Mathematics and Statistics Bruno de Finetti (DEAMS); Trieste, Italy		
Public Perception of Environmental Change in Rapidly Growing Cities: the Case of Cairo, Egypt Merham KELEG*, Georgia BUTINA WATSON**, Mohamed SALHEEN* * Faculty of Engineering. Ain Shams University, Urban Design and Planning Department; Cairo, Egypt ** Oxford Brookes University, School of the Built Environment; Oxford, UK		

SCHEDULE

Wednesday, 16 September 2020 – may be subject to changes

Time	Channel 1	Channel 2
10:15- 11:15	Climate-Resilient Cities Chair: Beniamino MURGANTE	Smart City in der Reflexion Chair: Uschi DORAU
TUESDAY WEDNESDAY THURSDAY FRIDAY	<p>🏆 Integrated Qualitative and Quantitative Analysis of Causal Urban Food-Water-Energy Relations towards more Climate-Resilient Cities Romana STOLLNBERGER, Ernst GEBETSROITHER-GERINGER, Ulrike MAGERL AIT Austrian Institute of Technology, Digital Resilient Cities; Wien, AT</p> <p>Building the Case for Nature-Based Solutions: Enablers and Barriers in Data-Driven Solutions for Climate Adaptive Developments Jeremy ANTEROLA*, Mariusz HERMANSDORFER**, Kane BORG***, Stefan BRÜCKMANN****, Ulf STEIN***** * Ramboll Studio Dreiseitl / MBA Graduate Berlin School of Economics and Law, Green Scenario (Tech-Startup for Climate Adaptation Planning); Hamburg, DE ** Ramboll Studio Dreiseitl / University of Copenhagen PhD Candidate, Green Scenario (Tech-Startup for Climate Adaptation Planning); Copenhagen, Denmark *** University of Aalto, Computer Programming; Espoo, Finland **** Ramboll Studio Dreiseitl, Hydraulic Engineering Head of Department; Ueberlingen, DE ***** Ecologic Institut gemeinnützige GmbH, Coordinator Water Studies; Berlin, DE</p> <p>🏆 Climate Urgency and Cities: Action and Reaction, Evidence and Reluctance Judith RYSER*, Teresa FRANCHINI** * City Scope Europe, Urban Thinker; London, UK ** Temanova; Mexico City, Mexico</p> <p>🏆 Using Nature-Based Solutions to Create more Climate-Resilient, Green and Livable Mediterranean Cities: Experiences from Castellón and Cannes Marielisa PADILLA, Sophie MOK Fraunhofer IAO; Stuttgart, DE</p>	<p>🏆 Vom Konzept zur Tat – die Weiterentwicklung des Smart-City-Wheels zur Smart-City-Onion Dirk ENGELKE, Sybille RAPBERGER Hochschule für Technik Rapperswil, Institut für Raumentwicklung; Rapperswil, CH</p> <p>🏆 Smart Cities brauchen Smarte Räume – Szenarien für die Zukunft eines energie- und ressourcenwirksamen Quartiers durch smarte Stadtgestaltung am Beispiel von Smart City Waagner Biro in Graz Radostina RADULOVA-STAHMER TU Graz, Institute of Urbanism; Graz, AT</p> <p>Smarte Sirenen im Rahmen kommunaler Klimaanpassungskonzepte im Spannungsfeld von Stadtklimatologie und Stadtplanung Sascha HENNINGER*, Martin RUMBERG** * Technische Universität Kaiserslautern, Fachbereich Raum- und Umweltpolitik, Physische Geographie; Kaiserslautern, DE ** Technische Universität Kaiserslautern, Fachbereich Raum- und Umweltpolitik, Stadtplanung; Kaiserslautern, DE</p>



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Presentations marked with 🏆 are reviewed papers.

SCHEDULE

Wednesday, 16 September 2020 – may be subject to changes

Channel 3	Channel 4	Time
<p>Case Studies on Planning II Chair: Emaculate INGWANI</p> <p>🏆 Unlocking “Kasi Wealth”: Perceptions of Transformations through Spatial Planning and Local Economic Development in Soshanguve Trynos GUMBO, Nkalipho MAFELA University of Johannesburg, Urban and Regional Planning; Johannesburg, South Africa</p> <p>🏆 Participatory Mapping of Citizens’ Experiences at Public Open Spaces: A Case Study at Bologna Living Lab Gamze DANE*, Soheil DERAKHSHAN*, Tahsin ETTEFAGH*, Martina MASSARI**, Valentina GIANFRATE**, Mauro BIGI*** * Eindhoven University of Technology, Department of the Built Environment; Eindhoven, NL ** University of Bologna; Bologna, Italy *** Fondazione per l'Innovazione Urbana; Bologna, Italy</p> <p>🏆 Canberra – Cultural Controversies and Urban Change in a Capital City Region Karl Friedhelm FISCHER, James WEIRICK * University of New South Wales, Faculty of Built Environment; Sydney, Australia</p> <p>🏆 Bridging Policy Streams of Minerals and Land Use Planning: a Conceptualisation and Comparative Analysis of Instruments for Policy Integration in 11 European Member States Andreas ENDL*, Sara Louise GOTTHENHUBER*, Katharina GUGERELL** * Vienna University of Economics and Business, Institute for Managing Sustainability; Vienna, AT ** Montanuniversität Leoben, Department of Mining Engineering and Mineral Economics; Leoben, AT</p>	<p>Break out</p> <p>Channel 4 provides the possibility for break-out networking sessions.</p> <p>Not had enough time for discussions after a presentation or at the end of a session? Join the discussion round on Channel 4 for extensive knowledge exchange with your colleagues.</p> <p>Or you would like to talk about some other relevant topic? Just come in and bring your ideas with you.</p>	10:15-11:15

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SCHEDULE

Wednesday, 16 September 2020 – may be subject to changes

Time	Channel 1	Channel 2
11:30- 12:30	Smart Country Chair: Beniamino MURGANTE	Daten und Stadt Moderation: Uschi DORAU
TUESDAY	<p>The Winners and ...? Spatial Patterns of the Digitalisation Effects on the Employment Market – the Case of Austria Kinga HAT, Gernot STÖGLEHNER University of Natural Ressources and Life Sciences (BOKU), Vienna, AT</p> <p>Industrial Landscapes Between Environmental Sustainability and Landscape Constraints: The Case Study of Euralluminia in the Sulcis Area of Sardinia (Italy) Pasquale MISTRETTA, Chiara GARAU, Giulia DESOGUS University of Cagliari, DICAAR, Cagliari, Italy</p> <p>ECO-CICLE in Basilicata Region: Cycling Infrastructure and Community-Based Management Model for the Lagonegro-Rotonda Cycling Route Beniamino MURGANTE University of Basilicata; Potenza, Italy</p> <p>Flexible, Digital and Integrated: Public Transport of the Future in Suburban and Rural Areas Assumpta CERDA*, Bertram LUDWIG** * exo; Montreal, Canada ** ÖBB-Holding AG; Vienna, AT</p>	Analysewerkzeug zur indikatorgestützten Umfeldanalyse – Erkennen, Vergleichen, Übertragen Katharina GRAF, Petra VON BOTH, Saoussen JOUINI KIT, Building Lifecycle Management; Karlsruhe, DE
WEDNESDAY		Digitales Entwerfen von Stadt – vom Geodesign zur Echtzeitplanung Peter ZEILE, Nina HAUG, Markus NEPPL Karlsruhe Institute of Technology, Neighbourhoodplanning; Karlsruhe, DE
THURSDAY		CentropeMAP – interaktive Zeitreihendarstellung statistischer Daten Clemens BEYER, Manfred SCHRENK CORP – COnsulting Research Projects; Vienna, AT
FRIDAY		Automatisierte Generierung eines 3D-Baumkatasters am Beispiel des KIT Campus Nord Jonas HURST, Andreas GEIGER Karlsruher Institut für Technologie, Institut für Automation und angewandte Informatik; Karlsruhe, DE
		Presentations marked with are reviewed papers.
12:30- 13:30	Break	

SCHEDULE

Wednesday, 16 September 2020 – may be subject to changes

Channel 3	Channel 4	Time
Demographic Change Chair: Judith RYSER	College Sports	11:30-12:30
<p>Geographies of Ageing in Flanders (Belgium) Wesley GRUIJTHUIJSEN, Dominique VANNESTE KU Leuven, Geography and Tourism; Leuven, Belgium</p> <p>Do we Need Urban Shrinkage to Become Smarter Planners? The Masterplan for Novoshakhtinsk Elena BATUNOVA*, Sergey THRUHKACHEV**, Elena KHITEVA** * Politecnico di Milano, DASTU; Milano, Italy ** Southern Urban Planning Center; Rostov-on-Don, Russia</p> <p>French Connections – Examining the Residential Clustering and Dispersion of Francophones in the Toronto Area Claus RINNER, Nicolas KARWOWSKI Ryerson University, Geography; Toronto, Canada</p> <p>Analysis in Selected European Smart City Districts regarding Ageing Population Nina HABE TU Graz, Institut für Städtebau; Weiz, AT</p>	<p>A good opportunity to gain a new boost of energy for the second half of the day.</p> <p>Duration: 15 minutes</p>	
<div style="border: 1px solid orange; padding: 5px;"> <p>Access to all REAL CORP channels for registered participants: https://realcorp2020.plazz.net/</p> </div>		
		Break 12:30-13:30

FRIDAY THURSDAY WEDNESDAY **TUESDAY**

SCHEDULE

Wednesday, 16 September 2020 – may be subject to changes

Time	Channel 1
13:30- 14:30	Keynote Speeches
TUESDAY	
WEDNESDAY	 <p>EURODELTA-SURE: A Functional Urban Area (Megaregion) on a Transnational Scale Peter POL*, Cecilia BRAUN** * The Hague, NL ** Spatial Planner, Rhine-Alpine Corridor Expert, Cologne, DE</p>  <p>Innovation and Cities: the Challenges of the Present. Towards Low Environmental Impact and High Societal Value Dr. Pietro ELISEI Urbasofia; Bucharest, Romania</p>
THURSDAY	
FRIDAY	
14:30- 14:45	Break

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SPECIAL FOCUS BLOCKS

Special Focus: CRISALIDE project

16 September 2020, 15:00–16:00 Session, Channel 1

This special focus presentation during the REAL CORP 2020 presents the results of the CRISALIDE (City Replicable and Integrated Smart Actions Leading Innovation to Develop Urban Economies) project, a winner of the second call of the EU/Russian Federation Program called ERA.Net RUS Plus. It is the only financed project in ENRP dealing with topics related to urban planning in this current EU programming period (2013–2020). Its goal is to bring innovations into the field of urban planning being implemented in the Russian city Rostov-on-Don. The project is experimenting a joint EU-Russian research and collaborative approach for the creation of an Innovative Decision-Making Tool (IDMT), designed to facilitate the renewal and regeneration of abandoned areas and brownfields.



The platform is abstracting, digitalizing and finally creating a replicable and user-friendly tool based on an enlarged participatory planning process grounded on PPPP (Public Private People Partnership) principle. The platform is harmonizing the contribution of stakeholders in diverse planning domains (housing, mobility and infrastructure, public space and services/facilities, environment, landscape and heritage, as well as urban management and governance) and formalize them through KPIs (Key Performance Indicators) providing values at disposal to decision makers linked to grade of smartness and comprehensive quality of life generated by the triggered regenerative planning process.

The results and the impacts are organized in three innovation areas: 1) organizational innovation (such as new niches for local, city-based private sector to boost R&D and innovation activities, policy impact to reinforce local and national related policies regarding collaboration in the field of R&D and innovation); 2) technological innovation and 3) social innovation (enhanced Local Identity to improve social capital, increased climate and environmental awareness to favor community's preparedness, increased ICT development awareness to enhance local economics).

Partnership constellation consists of 6 partners from 4 Era.Net Rus Plus call countries: SUPC and SPIIRAS (Russia), Urbasofia and URBAN-INCERC (Romania), CORP (Austria), EMaTTech (Greece).

DevOps Competences for Smart Cities

15 September, 15:00–16:00 Session, Channel 1



To reduce time to market, in software development, the DevOps method is used as an acronym combining the software development (Dev) and software implementation/production (Ops) phase (Lwakatare, Kuvaja and Oivo (2015)). Especially, the analytics, application and participation (citizen centric) perspectives imply the enhanced importance of software development. Smart Cities which need to become more flexible to react to rapid environmental changes, competitive and citizen centric, require innovative, albeit under researched, agile software development approaches, such as DevOps.

The **DEVOPS** project aims to close the gap between today's and future's skills demands of municipal workforce by emphasizing on the exploitation of emerging employment paradigms such as DevOps, especially in the context of urban and regional planning, environmental and mobility management.

The **MISSION** is to develop a job profile for Smart Cities DevOps professionals. The project will produce a multitude of diverse outputs and outcomes, printed and online, tangible and intangible, including reports, methodologies and policies, VET curricula, standards, digital content and tools, courses, publications, events and communities of practise. Training will be delivered via an online platform that stimulates sharing and exchange of knowledge, experiences and best practices.

The **VISION**: SMART DevOps will improve the quality and composition of competences that qualified Smart Cities DevOps professionals currently have, changing the employability characteristics of the smart cities sector and affecting the overall quality of experience offered to citizens.

The project brings into light the emerging job profiles in the smart cities sector and at the same time proves the efficiency of inclusive and versatile novel VET methodologies and tools.



DevOps Competences for Smart Cities (Project No.: 601015-EPP-1-2018-1-EL-EPPKA2-SSA Erasmus+ Program; KA2: Cooperation for innovation and the exchange of good practices-Sector Skills Alliances). Disclaimer: The European Commission's support for the production of this publication does not constitute an endorsement of the contents, which reflect the views only of the authors, and the Commission cannot be held responsible for any use which may be made of the information contained therein.

SCHEDULE

Wednesday, 16 September 2020 – may be subject to changes

Time	Channel 1	Channel 2
14:45- 15:45	Approaches to Deploy Urban Spaces Chair: Manfred SCHRENK	Smarte Mobilitätslösungen I Moderation:Fabian DORNER
TUESDAY WEDNESDAY THURSDAY FRIDAY	<p>🏆 How to Attract the Right Economic Activities in a Certain Spatial Environment? Jan ZAMAN, Inge PENNINCX, Sophie DE MULDER Department of Environment and Spatial Development; Brussels, Belgium</p> <p>🏆 Decision Support System Design as a Method to Enhance Public Participation in Urban Development: The CRISALIDE Project, Rostov-on-Don Elena BATUNOVA*, Sergey THRUKHACHEV*, Pietro ELISEI**, Miruna DRAGHIA***, Oksana SMIRNOVA****, Vasily V. POPOVICH****, Manfred SCHRENK****, Elena KHITEVA*, Vasile MEITA***** * Southern Urban Planning Center; Rostov-on-Don, RUS ** EU UIA Programme International Expert; Bucharest, Romania *** Urbasofia; Bucharest, Romania **** SPIIRAS – Hi Tech Research and Development Office Ltd.; St. Petersburg, Russia ***** CORP – Consulting Research Projects DI Manfred Schrenk KG; Schwechat, AT ***** INCD URBAN-INCERC; Bucharest, Romania</p> <p>🏆 Vibrant or Dull Urban Spaces: Are City of Tshwane “A Re Yeng” and “Gautrain” Connector Points Places of Social and Economic Interaction? Trynos GUMBO, Bongumusa NDWANDWE University of Johannesburg, Urban and Regional Planning; Johannesburg, South Africa</p> <p>🏆 Estimating the HARA Land Use Model for Housing Planning based on Hedonic Price Analysis Jianfei LI, Ioulia OSSOKINA, Theo ARENTZE Eindhoven University of Technology, Built Environment; Eindhoven, NL</p>	<p>🏆 Realexperimente als Treiber sozialer Innovationen? Umsetzungsimpulse für eine nachhaltige urbane Mobilität im Quartier Sina DIERSCH Universität Duisburg-Essen, Institut für Mobilitäts- und Stadtplanung, Forschungskolleg NEQ; Essen, DE</p> <p>Straße der Zukunft Felix STROH, Constanze HEYDKAMP Fraunhofer IAO, Smart Urban Environments; Stuttgart, DE</p> <p>🏆 Grätzlrad Wien: Nutzerinnen- und Nutzerstruktur und Nutzungsverhalten in host-basiertem Lastenrad-Sharing Linda DÖRRZAPF, Fabian DORNER, Martin BERGER TU Wien, Institute of Spatial Planning; Wien, AT</p>

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SCHEDULE

Wednesday, 16 September 2020 – may be subject to changes

Channel 3	Channel 4	Time
Strategies towards Sustainable Housing I Chair: Emaculate INGWANI	Break out	14:45-15:45
Modelling Milieu-specific Housing Demands for Augsburg Oberhausen using BPD-MOSAIC Robert SABELFELD, Christian VON MALOTTKI, Han JOOSTEN BPD Immobilienentwicklung GmbH, Gebietsentwicklung & Marktforschung; Frankfurt am Main, DE	<p>Channel 4 provides the possibility for break-out networking sessions.</p> <p>Not had enough time for discussions after a presentation or at the end of a session? Join the discussion round on Channel 4 for extensive knowledge exchange with your colleagues.</p> <p>Or you would like to talk about some other relevant topic? Just come in and bring your ideas with you.</p>	
Developing Public Rental Housing on Rural Collective Constructing Land in Shanghai Suburbs – a Case of Cao'an Village in Jiading Industrial District Miao HU Tongji University; Shanghai, China		
🏆 Integrate Traditional Ecological Knowledge into Disaster Mitigation and Adaptation Strategies in High Risk Settlements – a Case Study of Taiwan Chia-En TSAI, Tzu-Ling CHEN University of Taipei, Department of Urban Development; Taipei, Taiwan		
🏆 Environmental Analysis of the Residential Sector in Cairo Mohamed EL EDEISY Sapienza University of Rome, Department of Planning, Design, Technology of Architecture; Rome, Italy		

FRIDAY THURSDAY WEDNESDAY TUESDAY

SCHEDULE

Wednesday, 16 September 2020 – may be subject to changes

Time	Channel 1	Channel 2
16:00-17:00	Spatio-Temporal Development Scenarios Chair: Katharina GUGERELL	Smarte Mobilitätslösungen II Moderation:Linda DÖRRZAPF
TUESDAY	🏆 Land as a Scarce Resource, Work and Workspaces as a Common. The Case of the Metropolitan Region Amsterdam Bernardino BORRA, Gert URHAHN Rotterdam University of Applied Science, Kenniscentrum Havenstad; Rotterdam, NL	🏆 Läuft mit GIS?! Erhebung von Fußgängerfreundlichkeit mittels mobiler GIS Kerstin KOPAL Universität Duisburg-Essen, Institut für Mobilitäts- und Stadtplanung; Essen, DE
WEDNESDAY	🏆 Beyond Design: How Property Patterns Influence Self-Organising Process of Change in the Built Environment Stefano COZZOLINO ILS , Spatial planning and urban design; Dortmund, DE	🏆 Interventionen für eine nachhaltige Mobilitätskultur? Linda DÖRRZAPF, Paul ACHATZ, Martin BERGER TU Wien, Institute of Spatial Planning; Wien, AT
THURSDAY	🏆 The Possible Role of Brownfields Sites in a Circular Way in the Example of the "Isola Bergamasca" Maria Rosa RONZONI Università degli Studi di Bergamo, DISA; Dalmine (Bergamo), Italy	Herausforderungen der städtischen Szenerien an die Automatisierung von Fahrzeugbewegungen – wo sollen welche Anwendungen aktiviert werden? Heinz DÖRR arp-planning.consulting.research, transport-planning & research; Wien, AT
FRIDAY	🏆 Deciphering and Modelling Spatio-temporal Patterns and Processes across Scales – Migratory Flows and their Implications under a Healthy City Scenario in the Ruhr Area, Germany Janka LENGYEL*, Jan FRIEDRICH** * Universität Duisburg-Essen, Institut für Mobilitäts- und Stadtplanung; Essen, DE ** ENS de Lyon, CNRS, Laboratoire de Physique; Lyon, France	🏆 Multimodale Verkehrslösungen als Chance für nachhaltige stadtisch-ländliche Beziehungen Lisa BAUCHINGER*, Anna REICHENBERGER**, Theresia OEDL-WIESER*, Thomas DAX* * Bundesanstalt für Agrarwirtschaft und Bergbauernfragen; Wien, AT ** Regionalmanagement Steirischer Zentralraum; Graz, AT
		Access to all REAL CORP channels for registered participants: https://realcorp2020.plazz.net/
17:00-17:45	Break	Presentations marked with 🏆 are reviewed papers.

SCHEDULE

Wednesday, 16 September 2020 – may be subject to changes

Channel 3	Channel 4	Time
Strategies towards Sustainable Housing II Chair: Judith RYSER		16:00-17:00
<p>🏆 Micro Housing: No Contribution to Affordable Housing – a Berlin Case Study Simon HEIN, Johannes NIESSEN RWTH Aachen University, Institute of Urban and Transport Planning; Aachen, DE</p> <p>🏆 New Policies For The Development Of Informal Settlements Salma LASHEEN, Mahmoud ZAKI, Walaa MEHANNA Tanta University, Department Of Architecture; Cairo, Egypt</p> <p>The Inclusive City of Johannesburg and the Challenge of Affordable Housing Edith HOFER*, Stefan NETSCH*, Katharina GUGERELL**, Walter MUSAKWA***, Trynos GUMBO*** * FH Salzburg; Salzburg, AT ** BOKU Wien; Wien, AT *** University of Johannesburg, South Africa</p> <p>🏆 Planning in Self-Planned Informal Cities Md. Manjur MORSHED Khulna University of Engineering & Technology (KUET), Urban and Regional Planning; Khulna, Bangladesh</p>		
<p>What's coming up next?</p> <p>Our live conference guide http://live.corp.at has the answer</p>		
		Break 17:00-17:45

SCHEDULE

Wednesday, 16 September 2020 – may be subject to changes

Time	Channel 1
17:45-18:00	Music by Till Mirkes (live from Reiff Foyer, RWTH Aachen)
18:00-19:30	Transformation – über die nationalen Grenzen hinweg in German language with English interpreting LIVEÜBERTRAGUNG aus der RWTH Aachen, Reiff-Foyer LIVE BROADCAST from RWTH Aachen, Reiff Foyer Herausforderungen und Erfahrungen der trinationalen Transformation und Kooperation Begrüßung, Einführung und Moderation Prof. Christa REICHER, RWTH Aachen University Prof. Bernd MATHIEU, Journalist Statements und Diskussionsrunde: Peter BERTHOLET, Direktor Parkstad Limburg Stefan JÜCKER, StädteRegion Aachen Mathea SEVEREIJNS, IBA Parkstad Limburg Ulla THÖNNISSEN, Geschäftsführerin Metropolregion Rheinland e.V. Gibt eine regionale Bau- und Planungskultur? Statements und Diskussionsrunde: Dr. Jürgen TIETZ, Architekturjournalist Berlin Dr. Hans HOORN, Stadtgestalter Maastricht Klaus DOSCH, Faktor X Agentur Düren Zur Rolle der Mobilität in der Stadtregion Statements und Diskussionsrunde: Dr. Gerhard GUDERGAN, Metropolitan Cities, RWTH Aachen University Prof. Dr. Tobias KUHNIMHOF, Lehrstuhl und Institut für Stadtbauwesen und Stadtverkehr, RWTH Aachen University Die Zukunft der Stadt ist die grenzüberschreitende Region Statements und Diskussionsrunde: Prof. Dr. Christiane VAESSEN, Region Aachen Zweckverband Dieter BEGASS, Wirtschaftsförderung Aachen Nicole MAURER, RWTH Aachen University, Maurer United Maastricht Nathalie KLINKENBERG, Wirtschafts- und Regionalförderung Ostbelgien

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SCHEDULE

Wednesday, 16 September 2020 – may be subject to changes

Channel 2	Time	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
How Global Business Influences Urban Development	18:00-19:30				
Birds of a Feather Session with Introductory Statement by Christian WALLOTH					
<i>Birds of a Feather sessions are informal gatherings of like-minded individuals who wish to discuss a certain topic without a pre-planned agenda.</i>					
Open Discussion, feel free to step in with a short statement, some ideas, or any other kind of contribution.					
<p>Login for conference participants: https://realcorp2020.plazz.net/</p>					

SCHEDULE

Thursday, 17 September 2020 – may be subject to changes

Time	Channel 1	Channel 2
09:00- 10:00	Sustainable Planning Strategies Chair: Kinga HAT	Smarter Handel Moderation: Uschi DORAU
TUESDAY WEDNESDAY THURSDAY FRIDAY	<p>🏆 Analysing and Evaluating Gender+ Specific Requirements in Urban Space to Support Urban Planning Ernst GEBETSROITHER-GERINGER, Magdalena BÜRBAUMER, Theresa FINK AIT Austrian Institution of Technology, Digital Resilient Cities; Vienna, AT</p> <p>🏆 Urban Area Development as an Expansive Learning Process: the Relevance of Monitoring and Evaluation Kees STAM, Gert-Joost PEEK Rotterdam University of Applied Sciences, Research Centre for Sustainable Port Cities; Rotterdam, NL</p> <p>🏆 Transdisciplinarity in Urban Planning for Future Challenges at the Example of Digital Transformation Jolanda ZURFLUH HSR University of Applied Science Rapperswil, Institute for Spatial Development; Rapperswil, CH</p> <p>🏆 Application of Gaode OPEN API in the Fire-Fighting Facility Planning Evaluation Bing HAN*, Jialing WANG** * Southeast University, School of Architecture Nanjing, China ** Jiangsu Institute of Urban & Rural Planning and Design; Nanjing, China</p> <p>🏆 Building a Common Platform: Integrative and Territorial Approach to Planning Cultural Heritage within the Framework of the Spatial Plan of the Republic of Serbia 2021-2035 Ana NIKOVIĆ, Božidar MANIĆ Institute of Architecture and Urban&Spatial Planning of Serbia; Belgrade, Serbia</p> <p>Presentations marked with 🏆 are reviewed papers.</p>	<p>🏆 Größere Discounter, kleinere Verbrauchermärkte und Onlineshops: Welche Rolle spielen die aktuellen Trends im Lebensmitteleinzelhandel für die Nahversorgung im ländlichen Raum? Thomas WIELAND Karlsruher Institut für Technologie (KIT), Institut für Geographie und Geoökologie (IfGG), Humangeographie; Karlsruhe, DE</p> <p>🏆 STEMPICOM – Geodatenkonzept für gemeinschaftsbasierte Lieferdienste in ländlichen Regionen Axel HÄUSLER, Alexander FILLIES, Maren PÖTTKER, Dorina KRANZMANN, Laura BREMENKAMP Technische Hochschule Ostwestfalen-Lippe, Forschungsschwerpunkt nextPlace; Detmold, DE</p> <p>🏆 Standort, Wettbewerb oder Persönlichkeit: Wer oder was entscheidet über die Adoption des Onlinehandels als Vertriebskanal? Thomas WIELAND, Angelika HOPPE, Caroline KRAMER Karlsruher Institut für Technologie (KIT), Institut für Geographie und Geoökologie (IfGG), Humangeographie; Karlsruhe, DE</p>



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LIVE
CONFERENCE
GUIDE

SCHEDULE

Thursday, 17 September 2020 – may be subject to changes

Channel 3	Channel 4	Time
Digital Planning Chair: Mohamed EL EDEISY		09:00-10:00
<p>🏆 Enterprise BIM: A Holistic Approach to the Future of Smart Buildings Tor Åsmund EVJEN*, Seyed Reza HOSSEINI RAVIZ**, Sobah Abbas PETERSEN** * St. Olavs Hospital; Trondheim, Norway ** Norwegian University of Science and Technology (NTNU), Department of Computer Science; Trondheim, Norway</p> <p>🏆 The Viennese Building Stock from 1920 to 2018: a Prototype Model Ferdinand REIMER, Ulrich KRAL TU Wien, E226, Institut für Wassergüte und Ressourcenmanagement; Wien, AT</p> <p>🏆 Experiences and Future of Using VR in the Construction Sector Alina MAKHKAMOVA*, Jan-Philipp EXNER*, Martin PIETSCHMANN**, Dirk WERTH*, Jan SPILSKI***, Simon BENDER*, Mareike SCHMIDT**** * AWS-Institut für digitale Produkte und Prozesse gGmbH; Saarbrücken, DE ** Berufsförderungsgesellschaft mbH; Rutesheim, DE *** Center for Cognitive Science Cognitive and Developmental Psychology TU Kaiserslautern; Kaiserslautern, DE **** imc information multimedia communication AG; Saarbrücken, DE</p> <p>🏆 Smart Cities for Smarter Citizens: Participatory Planning in Housing Renovation using 3D BIM Tools the Case of Eckart Vaartbroek Trinidad FERNANDEZ*, Catalina DIAZ*, Sonja STÖFFLER** * Fraunhofer IAO, Urban Economy Innovation; Stuttgart, DE ** University of Stuttgart IAT, Mobility Ecosystems; Stuttgart, DE</p>		
		FRIDAY
		THURSDAY
		WEDNESDAY
		TUESDAY

SCHEDULE

Thursday, 17 September 2020 – may be subject to changes

Time	Channel 1	Channel 2
10:15- 11:15	Transformation of Urban Areas Chair: Ana JONES	Strategien der kommunalen und regionalen Planung Chair: Wolfgang W. WASSERBURGER
TUESDAY WEDNESDAY THURSDAY FRIDAY	<p>New Places for Urban Development – the Space between Historical City Centres and Post-War Expansions Areas Stefan NETSCH, Matthias GNIGLER Salzburg University of Applied Sciences, Smart City; Kuchl, AT</p> <p>Spatial Transformations in Urban Areas During the Past 50 Years Isabelle LORIS Ghent University, Center for Mobility and Spatial Planning (AMRP); Gent, Belgium</p> <p>Socio-Economic Transformation of Urban Nodes in Amman: Determining Ingredients of Success Maram TAWIL*, Shams KHATTAB** * German Jordanian University, School of Architecture and Built Environment; Amman, Jordan ** IOM Iraq; Amman, Jordan</p> <p>Urban Governance as a Tool for Enhancing Resilient Urban Form: Case Study Alexandria, Egypt Mary ZEKRY, Khalid AL HAGLA, Dina SAADALLA Alexandria University, Faculty of Engineering, Architectural Department; Alexandria, Egypt</p> <p>Industrial Brownfields as Restorative Environments: the Possibility of Transformation and Reactivation of the Abandoned Industrial Heritage Eva VANIŠTA LAZAREVIĆ, Jelena MARIĆ, Mirjana BARAĆ University of Belgrade, Urbanism and Urban Planning; Belgrade, Serbia</p> <p>Presentations marked with are reviewed papers.</p>	<p>Wohnungsnot und Siedlungsentwicklung in wachsenden Metropolregionen – Planspiel für politische Entscheidungsträgerinnen und Entscheidungsträger Marvin STIEWING, Kirsten MANGELS, Swantje GROTHEER TU Kaiserslautern, Lehrstuhl Regionalentwicklung und Raumordnung; Kaiserslautern, DE</p> <p>Klimabelange in der Bauleitplanung Sascha HENNINGER*, Martin RUMBERG**, Martin FABISCH*, Thomas LANGER*** * TU Kaiserslautern, Fachbereich Raum- und Umweltplanung, Physische Geographie; Kaiserslautern, DE ** TU Kaiserslautern, Fachbereich Raum- und Umweltplanung, Stadtplanung; Kaiserslautern, DE *** Stadtverwaltung Kehl, Fachbereich Stadtplanung/Umwelt; Kehl, DE</p> <p>Selbstermächtigung und Selbstorganisation als Schlüssel für nachhaltige Lern- und Transformationsprozesse in der Region Römerland Carnuntum Elisabeth SCHAUPPENLEHNER*, Katharina GUGERELL*, Verena RADINGER-PEER*, Hartmut DUMKE**, Thomas DILLINGER**, Cornelia FISCHER*, Marianne PENKER* * Universität für Bodenkultur, Institut für nachhaltige Wirtschaftsentwicklung; Wien, AT ** Technische Universität Wien, Regionalplanung und Regionalentwicklung; Wien, AT</p> <p>Das Konzept der Regiopole als Entwicklungsstrategie kleinerer Großstädte im (inter-)nationalen Standortwettbewerb Tobias WEBER, Swantje GROTHEER, Kirsten MANGELS Technische Universität Kaiserslautern, Lehrstuhl Regionalentwicklung und Raumordnung; Kaiserslautern, DE</p>

SCHEDULE

Thursday, 17 September 2020 – may be subject to changes

Channel 3	Channel 4	Time
(Big) Data Chair: Maria WASSERBURGER	Break out	10:15- 11:15
<p>Data and Algorithm – the Fast Lane for Carless Mobility Andreas THINIUS traxventure research gGmbH, CEO; Hamburg, DE</p> <p>🏆 Topics and Sentiments in Online Place Reviews, an Innovative Way of Understanding the Perception of a City without Asking Bart NEUTS*, Egbert VAN DER ZEE**, Simon SCHEIDER**, Enkhbold NYAMSUREN**, Therese STEENBERGHEN* * KULeuven, Geography and Tourism; Heverlee, Belgium ** Utrecht University, Geosciences, Human Geography and Planning; Utrecht, NL</p> <p>🏆 Leveraging Newly Available Big Data for Urban Architectural Heritage: Designing a Recommendation System for Heritage Sites through the Lens of Social Media Sevim Sezi KARAYAZI, Gamze Z. DANE, Bauke DE VRIES Eindhoven University of Technology, Department of Built Environment; Eindhoven, NL</p> <p>EAST-CITIES: Data Gathering, Analysis, and Integration for Understanding and Shaping the Urban System of a Rising Metropolis: Qingdao and the Larger Qingdao Region Olaf MUMM*, Majd MURAD*, Ryan ZERINGUE*, Katarina BOLAND**, Stefan DIETZE**, Vanessa Miriam CARLOW* * Technische Universität Braunschweig, Institute for Sustainable Urbanism ISU; Braunschweig, DE ** GESIS-Leibniz Institute for the Social Sciences, Knowledge Technologies for the Social Sciences; Cologne, DE</p>	<p>Channel 4 provides the possibility for break-out networking sessions.</p> <p>Not had enough time for discussions after a presentation or at the end of a session? Join the discussion round on Channel 4 for extensive knowledge exchange with your colleagues.</p> <p>Or you would like to talk about some other relevant topic? Just come in and bring your ideas with you.</p>	
		FRIDAY \ THURSDAY \ WEDNESDAY \ TUESDAY

SCHEDULE

Thursday, 17 September 2020 – may be subject to changes

Time	Channel 1	Channel 2
11:30- 12:30	Supporting the Transformation Process to Smart Sustainable Cities Chair: Vicente CARABIAS-HÜTTER	Street Flow Moderation: Jan-Philipp EXNER
TUESDAY	Supporting the Transformation Process to Smart Sustainable Cities in Switzerland: Implementation Guidelines and Promising Practices Vicente CARABIAS-HÜTTER, Jörg MUSIOLIK, Evelyn LOBSIGER-KÄGI, Pascal VÖGELI, Anna KOHLER, Onur YILDIRIM * Zurich University of Applied Sciences; Zürich, CH	🏆 Monitoring Street Infrastructures with Artificial Intelligence Jan-Philipp EXNER*, Oliver NALBACH**, Dirk WERTH** * AWS-Institut für digitale Produkte und Prozesse gGmbH; Saarbrücken, DE ** Saarbrücken, DE
WEDNESDAY	🏆 Following the Smartness: Leipzig as a Follower City in a Horizon 2020 Smart Cities and Communities Lighthouse Project Andreia LOPES AZEVEDO*, Sonja STÖFFLER**, Trinidad FERNANDEZ* * Fraunhofer IAO; Stuttgart, DE ** University of Stuttgart IAT; Stuttgart , DE	Crowd Flow Analysis for Measuring the Impact of Urban Transformation Actions in City's Heritage Areas Miruna DRAGHIA*, Pietro ELISEI**, Gamze DANE***, Natalia ONESCIUC* * URBASOFIA SRL, Urban and territorial planning; Bucharest, Romania ** URBASOFIA SRL, Urban and territorial planning and Policy design; Bucharest, Romania *** Eindhoven University of Technology, Department of Built Environment; Eindhoven, NL
THURSDAY	🏆 The Case of Smart City Istanbul: How to Evaluate the City Region and its Benchmarks with Participatory and Negotiation Processes? Mete Basar BAYPINAR, Murat SEKER, Hakan BEKTAS, Arif SALDANLI Istanbul University, Turkey	Travel Behaviour Prediction based on Microeconometric Models and Machine Learning Classifiers Szymon WÓJCIK University of Lodz, Department of Econometrics; Lodz, Poland
FRIDAY	🏆 Urban Governance Toolbox for a Climate-Friendly Smart City Natalie PFAU-WELLER, Rebecca NELL University of Stuttgart; Stuttgart, DE	🏆 Reshaping the Urban Experience: Prospects for Digital Streetscape towards better Livability in Public Spaces Ayat AYMAN, Hassan ABDEL-SALAM, Zeyad EL-SAYAD Faculty of Engineering, Architecture Department; Alexandria, Egypt
	Access to all REAL CORP channels for registered participants: https://realcorp2020.plazz.net/	
12:30- 13:30	Break	

SCHEDULE

Thursday, 17 September 2020 – may be subject to changes

Channel 3	Channel 4	Time
Campus Development Chair: Clemens BEYER	College Sports	11:30-12:30
<p> The Effect of the Physical Environment on Social Interaction: The Case of Educational Campuses Hisham NEGM, Dina SAMEH, Dina SAADALLAH Faculty of Engineering, Alexandria University, Department of Architecture; Alexandria, Egypt</p> <p> Nanjing Golou Campus as Interface of Public Space and Learning Environment Stefan NETSCH*, Katharina GUGERELL** * Salzburg University of Applied Sciences, Smart City; Kuchl, AT ** Montanuniversität Leoben; Leoben, AT</p> <p> Campus Development of the IDEA League Universities Hanna POTULSKI RWTH Aachen University, Institut für Städtebau und Europäische Urbanistik; Aachen, DE</p> <p> Campus Sustainability Appraisal in Nigeria: Setting up Sustainable Attributes for Higher Educational Institutions Yusuf ADENLE*, Yi SUN*, Chi-kwan CHAU**, Edwin CHAN* * Hong Kong Polytechnic University, Building and Real Estate; Hong Kong ** Hong Kong Polytechnic University , Building Services Engineering; Hong Kong</p>	<p>A good opportunity to gain a new boost of energy for the second half of the day.</p> <p>Duration: 15 minutes</p>	
Presentations marked with are reviewed papers.		
		Break 12:30-13:30

FRIDAY \ THURSDAY \ WEDNESDAY \ TUESDAY

SCHEDULE

Thursday, 17 September 2020 – may be subject to changes

Time	Channel 1
13:30- 14:30	Keynote Speeches
TUESDAY	
WEDNESDAY	
THURSDAY	
FRIDAY	
	<p>A New Ranking of the World's Largest Cities – Do Administrative Units Obscure Morphological Realities? Dr. Christian GEISS German Aerospace Center (DLR); Cologne, DE</p> <p>Technologische Innovation in der StadtRegion Prof. Dr. Achim KAMPKER RWTH Aachen, Produktionscluster Lehrstuhl PEM</p> <p>Free public access to keynotes: https://realcorp2020.plazz.net/</p>
14:30- 14:45	Break



ISOCARP

Knowledge for Better Cities

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PROMOTE the planning profession and excellence in practice in all its forms

FOSTER planning research, training, and education

ENHANCE public awareness and understanding of major planning issues at the global level

SUPPORT and **PROTECT** planning interests and professional planners

SCHEDULE

Thursday, 17 September 2020 – may be subject to changes

Time	Channel 1	Channel 2
14:45- 15:45	Sustainable Energy Systems in Neighbourhoods (NEQ) Chair: Christa REICHER	Sustainable Urban Design Chair: Pietro ELISEI
TUESDAY WEDNESDAY THURSDAY FRIDAY	Keynotes Alexander SCHMIDT Universität Duisburg-Essen Manfred RAUSCHEN Ökozentrum NRW Towards a Better Understanding of Emotional Drivers and Barriers in the Context of Local Renewable Energy Projects –an Empirical Investigation on Homeowners' Motives from a Marketing Perspective (Work & Progress) Karen WESELY TU Dortmund The Integration of Resource Efficiency in the Building Stock through Efficiency and Sufficiency Measures – Life Cycle Assessment Comparisons and Models Simon SLABIK Ruhr-Universität Bochum 🏆 Spatial Conflicts of Urban Mobility – a better Space Potential with Transition to more Flexibility? Antonia STRATMANN*, Sina DIERSCH** * RWTH Aachen University, Faculty of Architecture, Department of Urban Design; Aachen, DE ** Universität Duisburg-Essen, Institut für Mobilitäts- und Stadtplanung; Essen, DE	🏆 From Urban Design to Energy Simulation – a Data Conversion Process Bridging the Gap Between Two Domains R. PADSALA*, T. FINK**, J. PETERS-ANDERS**, E. GEBETSROITHER-GERINGER**, V. COORS* * Hochschule für Technik Stuttgart; Stuttgart, DE ** AIT Austrian Institute of Technology; Vienna, AT 🏆 The Vertical Urban Factory as a Concept for Mixed Use in Future Cities L.-M. GROB*, V. MADNER*, E. HASELSTEINER**, H. FREY***, B. LAA***, K. SCHWAIGERLEHNER** * WU Vienna, Research Institute for Urban Management and Governance; Vienna, AT ** Urbanity; Vienna, AT *** TU Wien, Research Center of Transport Planning and Traffic Engineering; Vienna, AT 🏆 Optimizing the Performance of Public Open Spaces by Enhancing the Human Thermal Comfort N. NAGUIB, H. ABDEL-SALAM, D. SAADALLAH Alexandria University, Architectural Engineering; Egypt 🏆 Solar Energy Simulations in Historical Districts for Retrofitting and Evidence-Based Decision Making: Data Challenges for Low Carbon Cities in the EU Neighbourhood & Accession Countries M. B. BAYPINAR*, E. YASA*, S. ERSOY*, C. BEYGO*, K. BEYGO** * Istanbul University; Istanbul, Turkey ** Civil Engineer; Istanbul, Turkey 🏆 MILP Model for Energy Supply Design to overcome the Cannibalization of Solar Thermal Plants and large-scale Heat Pumps in Urban District Heating Systems C. THOMMESSEN*, J. SCHEIPERS*, J. ROES*, A. HEINZEL*, S. MIGLANI**, B. BOKOR*** * University of Duisburg-Essen, Chair of Energy Technology; Duisburg, DE ** VITO NV; Mol, Belgium *** Budapest University of Technology and Economics; Budapest, Hungary

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SCHEDULE

Thursday, 17 September 2020 – may be subject to changes

Channel 3	Channel 4	Time
Notfälle, Katastrophen, Epidemien – die Rolle der Stadtplanung Moderation: Kinga HAT	Break out	14:45-15:45
Corona: Die Rolle der Stadtplanung für die Krisenbewältigung am Beispiel Wien Nils PETERS Stadt Wien, Magistrat für Stadtplanung und Stadtentwicklung; Wien, AT	<p>Channel 4 provides the possibility for break-out networking sessions.</p> <p>Not had enough time for discussions after a presentation or at the end of a session? Join the discussion round on Channel 4 for extensive knowledge exchange with your colleagues.</p> <p>Or you would like to talk about some other relevant topic? Just come in and bring your ideas with you.</p>	
Intelligent Buildings – wie künstliche Intelligenz die urbanen Räume und deren Nutzung verändert Tanja SPENNLINGWIMMER, Gabriel GRUBER Business Upper Austria; Linz, AT		
Folgen des Corona-Lockdowns in Innenstädten und die kreativen Ideen von Einzelhandel, Gastronomie und Dienstleistung Juliane RIBBECK-LAMPEL, Silke WEIDNER BTU Cottbus Senftenberg, Fachgebiet Stadtmanagement; Cottbus, DE		
Die vielfältigen Vorteile aktiver Mobilität auf Mensch und Umwelt (und wie wir sie erreichen) Natasa HODZIC-SRNDIC, Kathrin RAUNIG AustriaTech, Mobilitätswende & -ökosysteme; Wien, AT		
<p>Access to all REAL CORP channels for registered participants: https://realcorp2020.plazz.net/</p>		

FRIDAY / THURSDAY / WEDNESDAY / TUESDAY

SCHEDULE

Thursday, 17 September 2020 – may be subject to changes

Time	Channel 1	Channel 2
16:00- 17:00	Sustainable Energy Systems in Neighbourhoods (NEQ) Chair: Christa REICHER	Green Infrastructure Chair: Beniamino MURGANTE
TUESDAY	The Impact of Energy Efficiency on Housing and Rental Prices Evidence from North Rhine-Westphalia Lisa TARUTTIS, Christoph WEBER Universität Duisburg-Essen, Lehrstuhl für Energiewirtschaft	🏆 Is Green Infrastructure a Game Changer for Sustainable Regional Development? A Scenario Approach for Stuttgart Region Till JENSEN Verband Region Stuttgart; Stuttgart, DE
WEDNESDAY	Smart Cities – from the Handling of a Technology Concept to the Transformation Tool of Sustainable Cities Mona TREUDE Wuppertal-Institut, Abteilung Energie-, Verkehrs- und Klimapolitik	🏆 Greenery in Cities and Controlling the Reasons of Urban Heat Islands – a Sustainable Approach for the Spaces of the Future in Controlling Urban Heat Islands Islam ELGHONAIMY*, Dalia ELDARDIRY** * University of Bahrain, Architecture; Isa Town, Bahrain ** Imam Abdulrahman bin Faisal University, Interior architecture; Rakah, Saudi Arabia
THURSDAY	Participation in Urban Real World Laboratories – Case Study of Bochum Hamme Lisa KRÄNKE Hochschule Bochum	🏆 In Greensight: Healthier Futures for Urban Cores in Transition Ana JONES, Markku WILENIUS Finland Futures Research Center, Turku School of Economics, University of Turku; Helsinki, Finland
FRIDAY	Digitisation of Energy Transformation: Legal Framework for a more Efficient Use of Solar Energy in Smart Neighbourhoods Dione HERNÁNDEZ GALVIS Ruhr-Universität Bochum, Institut für Berg- und Energerecht, Nachhaltige Energiesysteme im Quartier	🏆 Improving Urban Regulations to Raise the City's Green Area Rates to Achieve Quality of Life Standards Said HASSANIEN*, Yousef ELSAYED** * Thebes Academy, Architectural department; Cairo, Egypt ** Thebes Academy, High Institute of Engineering, Architectural department; Giza, Egypt
	Acceptance of Sustainable Modes of Transport with Focus on Neighbourhoods Anne PAULUS Ruhr-Universität Bochum, ZEFIR	Access to all REAL CORP channels for registered participants: https://realcorp2020.plazz.net/
17:00 18:00	Break	

SCHEDULE

Thursday, 17 September 2020 – may be subject to changes

Channel 1	Channel 2	Time
<p>Abschlussdiskussion NEQ: Nachhaltige Energiesysteme auf dem Prüfstein</p> <p>Begrüßung, Einführung und Moderation Prof. Christa REICHER RWTH Aachen University Canan ÇELIK RWTH Aachen University</p> <p>Inputs von</p> <p>Prof. Dr. Annette HAFNER Ressourceneffizientes Bauen, Ruhr-Universität Bochum</p> <p>Dr. Andreas ZIOLEK Leiter Netzwerke, EnergieAgentur.NRW</p> <p>Ole SCHILLING DEUTSCHE TELEKOM AG, Innovation Smart Cities & Regions</p> <p>Prof. Dr. Dirk MÜLLER Institut für Energy Efficient Buildings and Indoor Climate, RWTH Aachen University</p> <p>und Diskussionsrunde mit</p> <p>Prof. Dr. Alexander SCHMIDT University Duisburg-Essen</p> <p>Manfred RAUSCHEN Ökozentrum NRW</p> <p>Christian THOMMESSEN Lehrstuhl für Energietechnik, Universität Duisburg-Essen</p> <p>Antonia STRATMANN Lehrstuhl und Institut für Städtebau, RWTH Aachen University</p> <p>Maximilian BIRK Lehrstuhl und Institut für Städtebau, RWTH Aachen University</p>	<p>Global Perspectives on Urban Development</p>  <p>What to Learn from the International Perspective – Examples of and Experiences with the “Urban Matrix” and “Metro Matrix Method”</p> <p>Dr. Pedro B. ORTIZ Planner and Manager of Metropolitan Issues, Washington D. C., USA, and Madrid, Spain</p> <p>afterwards open discussion, feel free to step in with a short statement, some ideas, or any other kind of contribution.</p>	18:00-19:30
		TUESDAY WEDNESDAY THURSDAY FRIDAY

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SCHEDULE

Friday, 18 September 2020 – may be subject to changes

Time	Channel 1	Channel 2
09:00- 10:00	Innovative Urban Mobility I Chair: Islam ELGHONAIMY	Wie funktioniert Stadtentwicklung? Chair: Wolfgang W. WASSERBURGER
TUESDAY WEDNESDAY THURSDAY FRIDAY	<p>🏆 Identifying Locations Suitable for Innovative Urban Public Transport Integration in Gauteng Province Siphiwe Given MBATHA, Trynos GUMBO University of Johannesburg, Town and Regional Planning; Johannesburg, South Africa</p> <p>🏆 Co-Creation and Sustainable Urban Planning: How to Co-CREATE Sustainable Mobility Solutions at the Neighbourhood Level? Experiences from the Horizon 2020 Project “Sunrise” Nadine HAUFE, Lukas FRANTA TU Wien, Institut für Raumplanung, Forschungsbereich Soziologie; Wien, AT</p> <p>Future Cities and Mobility Patterns according to four Exploratory Scenarios Kersten NABIELEK PBL Netherlands Environmental Assessment Agency; The Hague, NL</p> <p>🏆 Evaluating the Impact of Innovative Public Transport Systems: a Case of South Africa Thembani MOYO*, Trynos GUMBO*, Walter MUSAKWA*, Emaculate INGWANI** University of Johannesburg, Town and Regional Planning; Johannesburg, South Africa</p>	<p>🏆 Ko-produktive Stadtentwicklung? Steuerungsansätze und Steuerungsprobleme mit kreativen Wertschöpfungsprozessen Sarah C. SCHREINER Urban Research and Development; Hamburg, DE</p> <p>🏆 Forschung, Bildung und Transfer in der Kreativwirtschaft von Klein- und Mittelstädten Marcel CARDINALI, Oliver HALL Technische Hochschule Ostwestfalen- Lippe, Detmolder Schule für Architektur, Innenarchitektur, Stadtplanung; Detmold, DE</p> <p>🏆 Nutzen der Digitalisierung auf eine nachhaltige Landschafts- und Raumentwicklung: Ergebnisse einer breit angelegten Delphi-Umfrage in der Schweiz Sybille RAPBERGER, Dirk ENGELKE, Claudio BÜCHEL, Carsten HAGEDORN, Martin SCHLATTER, Jolanda ZURFLUH, Hans-Michael SCHMITT, Roger BRÄM HSR Hochschule für Technik Rapperswil; Rapperswil, CH</p> <p>Wissensbasierte Stadtentwicklung in Bochum – von der Strategie zum Konzept Ilka MECKLENBRAUCK Stadt Bochum, Amt für Stadtplanung und Wohnen; Bochum, DE</p>

Presentations marked with are reviewed papers.

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Channel 1	Channel 2	Time
Innovative Urban Mobility II Chair: Kinga HAT	Innovative Development Chair: Katharina GUGERELL	10:15- 11:15
<p>Walk Your City: Using Nudging to Promote Walking Thomas WERNBACHER*, Mario PLATZER**, Josefine SCHNEIDER**, Sylvia TITZE***, Natalie DENK*, Alexander PFEIFFER****</p> <p>* Donau-Universität Krems, Zentrum für Angewandte Spieleforschung; Krems, AT ** yverkehrsplanung; Graz, AT *** KFU Graz, Institut für Sportwissenschaften; Graz, AT **** Massachusetts Inst. of Technology; Cambridge, USA</p>	<p>Places Representation on Social Media Mai AHMED, Peter ZEILE Karlsruhe Institute of Technology; Karlsruhe, DE</p> <p>Exploring the Applicability of Sustainable Development Goals in Fringe Areas of Fast Growing Metropolises Dipanjan HOWLADER, Basudatta SARKAR National Institute of Technology, Rourkela, Planning and Architecture; Rourkela, India</p>	TUESDAY
<p>Active Mobility as a Response to Physical Inactivity in Cities Parsa ARBAB*, Karin PFEFFER**, Javier MARTINEZ**, Sherif AMER**</p> <p>* Univ. of Tehran, School of Urban Planning; Tehran, Iran ** Univ. of Twente, Department of Urban & Regional Planning & Geo-Information Management; Enschede, NL</p>	<p>The Symptoms of the Liquid City Olivier LEFEBVRE Olivier Lefebvre Consultant; Paris, France</p>	WEDNESDAY
<p>The Pedestrian Traffic of the Inner Courtyards in Graz László JÓNA Hungarian Academy of Sciences; Budapest, Hungary</p> <p>Identifying Policies and Legislative Frameworks to Create Integrated Innovative Public Transport in Gauteng Province Siphwe Given MBATHA*, Trynos GUMBO** University of Johannesburg, South Africa</p>	<p>Feeling Safe in Urban Estates: Learning from Riverwood, Sydney Samaneh ARASTEH University of New South Wales, Built Environment; Sydney, Australia</p>	THURSDAY
	<p>Access to all REAL CORP channels for registered participants: https://realcorp2020.plazz.net/</p>	FRIDAY

SCHEDULE

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Time	Channel 1	Channel 2
11:30- 12:30	Innovative Urban Mobility III Chair: Jan-Philipp EXNER	Urban Development Chair: Islam ELGHONAIMY
TUESDAY	🏆 Connected E-Mobility, IoT and its Emerging Requirements for Planning and Infrastructures Jan-Philipp EXNER, Sebastian BAUER, Kateryna NOVIKOVA, Dirk WERTH AWS-Institut für digitale Produkte und Prozesse gGmbH; Saarbrücken, DE	Multicriteria Assessment of Urban Development Projects – from Objectives to a Project Priority List Wolfgang LOIBL, Ghazal ETMINAN, Hans-Martin NEUMANN AIT Austrian Institute of Technology, Digital Resilient Cities; Vienna, AT
WEDNESDAY	🏆 Behaviour Change towards Sustainable Mobility triggered by Nudging Initiatives Roman KLEMENTSCHITZ, Oliver ROIDER, Valerie BATIAJEW Universität für Bodenkultur, Institut für Verkehrswesen; Wien, AT	Shaping Tripoli as Economic Capital of Lebanon Daele RENAUD AUPa SPRL; Verviers, Belgium
THURSDAY	🏆 E-Scooter as Environmentally Friendly Last Mile Option? Insights on Spatial and Infrastructural Implications for Urban Areas based on the Example of Vienna Karin MARKVICA, Klemens SCHWIEGER, Michael ALEKSA AIT Austrian Institute of Technology GmbH, Center for Mobility Systems; Vienna, AT	🏆 Shaping Urban Changes for Child-Friendly Cities: How Participation and Co-Creation Processes are Transforming Car-Oriented Neighbourhoods in the Metamorphosis Project Loredana DAZZO*, Nick VAN APELDOORN** * Technische Universität Dresden, Transport ecology; Dresden, DE ** Breda University of Applied Sciences; Breda, NL
FRIDAY	🏆 Rethinking Mobility and Fixity in Developing Cities: a Case of South Africa Thembani MOYO, Walter MUSKWA, Trynos GUMBO, Siphiwe Given MBATHA University of Johannesburg, Town and Regional Planning; Johannesburg, South Africa	A Historic Institutional Research on the Protection of Plot Pattern in Chinese Historic Cities, taking Nanjing as an Example Peng LIU Chongqing University, School of Architecture and Urban Planning; Chongqing, China
12:30- 13:00	Conference Closing	
	Summary, Closing Note, Final Discussion, Outlook	

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