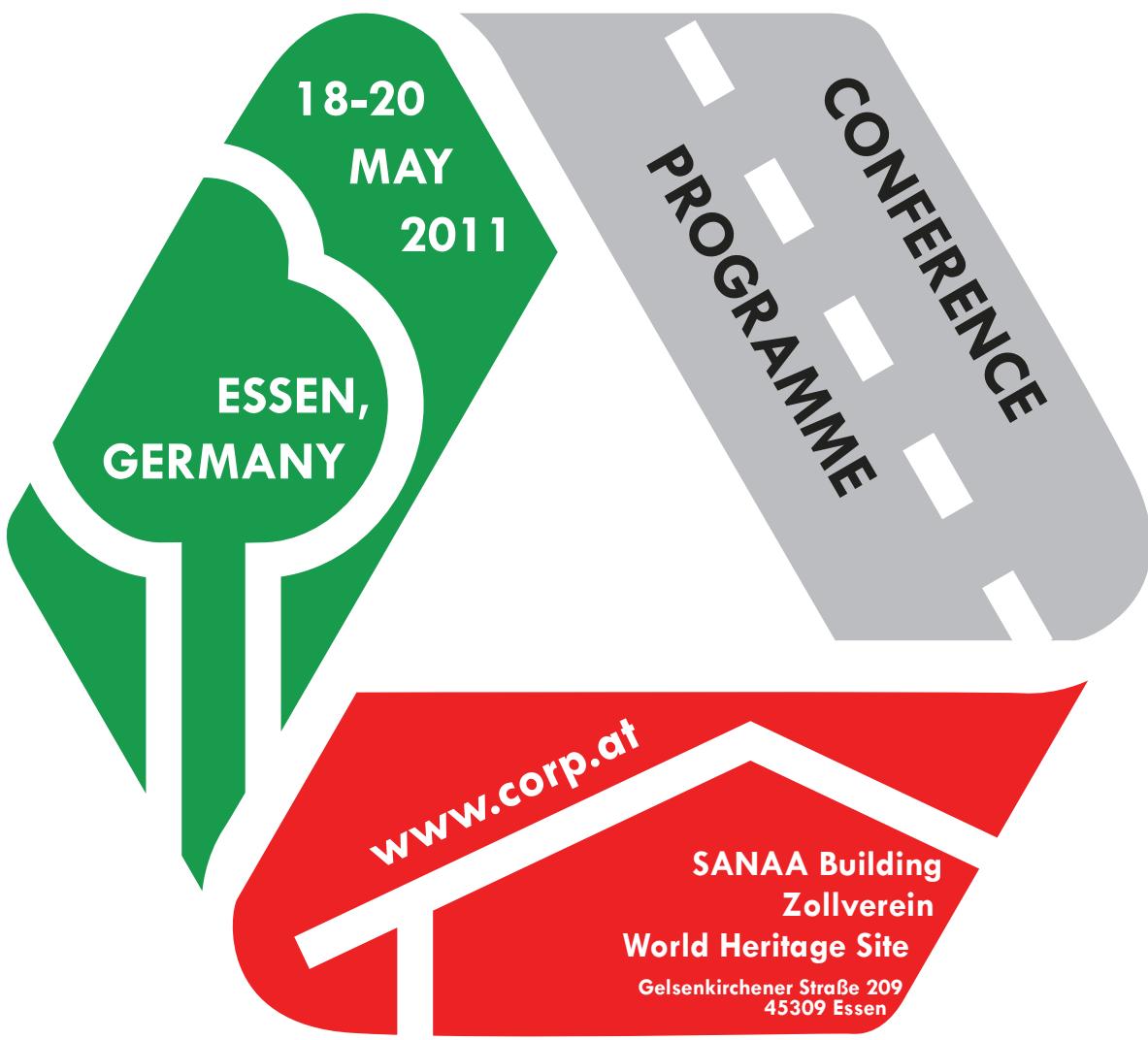


REAL CORP 2011

CHANGE FOR STABILITY LIFECYCLES OF CITIES AND REGIONS

The Role and Possibilities of Foresighted Planning in Transformation Processes



CEIT
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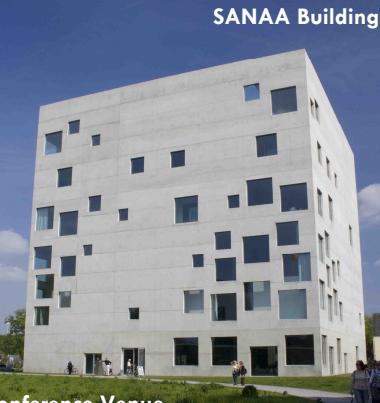
CEIT ALANOVA
Institute of Urbanism,
Transport, Environment
and Information Society

Ministerium für Wirtschaft, Energie,
Bauen, Wohnen und Verkehr
des Landes Nordrhein-Westfalen



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(Photo courtesy of Folkwang University of the Arts)



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InnovationCity
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WELCOME TO ESSEN, GERMANY, FOR THE CONFERENCE REAL CORP 2011



Manfred SCHRENK

Schwechat/Austria, Chairman CORP, www.corp.at
Managing Director of CEIT – Central European Institute of Technology &
CEIT ALANOVA - Department of Urbanism, Transport, Environment & Information Society,
www.ceit.at

WELCOME to REAL CORP 2011, the 16th International Conference on Urban Planning, Regional Development, Information Society and Urban/Transport/Environmental Technologies Changes and diversification are ubiquitous in cities and regions. The quest for continuous renewal and improvement is a driver towards a thriving development, as well as land use impact, displacement and “constructive destruction” with all the side effects. Urban development is not a one-way street leading towards an ideal end. Changes of the framework – like revival or crisis of economic sectors, the change of social ideals or ecologically driven challenges – demand the adaptation of the system of aims and development strategies. Also changes of the infrastructure and targeted interventions of planning lead towards elementary changes of the dynamics and trends of development. Permanent change takes place – often as continuous, evolutionary development, but sometimes also with huge, dramatic turning points. Sometimes change is predictable, often it comes unforeseen – and sometimes change can even be planned and managed. Cities are the most complex invention of mankind – and are permanently the subject of foreseen as well as unexpected change, foresighted planning and continuous transformation processes.

Therefore we chose the topic **CHANGE FOR STABILITY: LIFECYCLES OF CITIES AND REGIONS. The Role and Possibilities of Foresighted Planning in Transformation Processes**. The matter of “change as requirement for stability of cities and regions” is the core topic of REAL CORP 2011. How can planning deal with “lifecycles of cities and regions”?

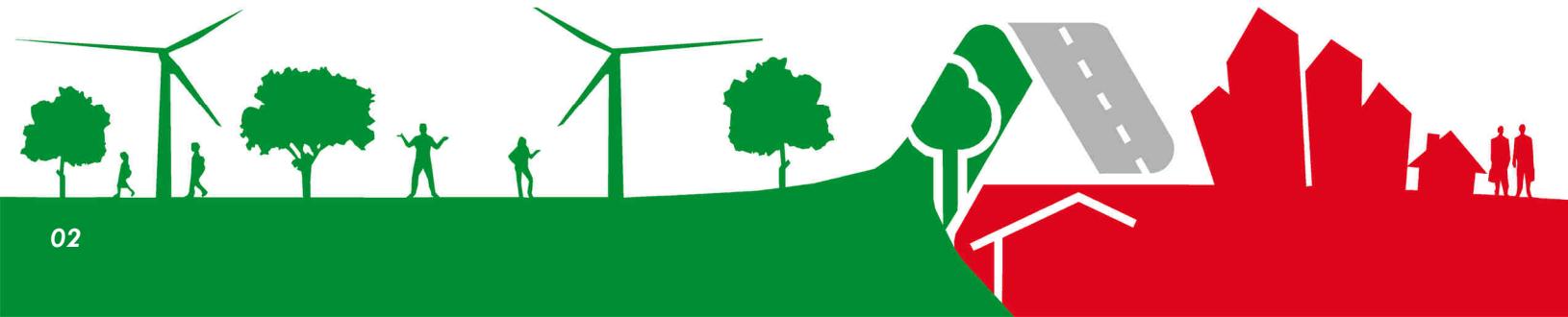
Special attention will be paid to the technical possibilities of confronting and forming the changes: planning processes and instruments as well as urban, environmental, transport and communication technologies. Some of the topics that we will be dealing with during the next 3 days are

- management of rapid growth, structural change and shrinkage,
- sustainability through intelligent resource management,
- stability, safety and vulnerability of modern cities,
- anticipatory planning under economically challenging circumstances,
- quality of life as benchmark of successful urban development,
- influence of “new technologies” on urban development,
- spatial aspects of innovation and transfer of knowledge and technology,
- together instead of side-by-side: rearrangement of cities,
- new life in old structures.

REAL CORP 2011 brings together almost 500 experts from different fields and from all over the world and provides the stage for meeting and learning from each other in order how to handle these “lifecycles of cities and regions”.

REAL CORP 2011 covers many different topics in about 200 presentations. The proceedings comprise about 1,500 pages of hand-picked knowledge for planners and for cities. There is not “the one answer” on how to plan and manage cities, so we will hear about many different experiences and approaches – and there is always something to learn from each other. A conference should never be and CORP for sure is not only about papers and presentations – it is about bringing people together, about networking, it is the face-to-face contacts that generate new thoughts, ideas, projects and friendships! There is no better place to deal with all those topics than the “Ruhr Metropolis” that has been facing fundamental changes over the past decades.

Welcome to Essen/North Rhine-Westphalia and the World Heritage Site “Zechen Zollverein”! Welcome at the outstanding SANAA Building! “GLÜCK AUF!” Have a great conference!



CHANGE FOR STABILITY

LIFECYCLES OF CITIES AND REGIONS

The Role and Possibilities of Foresighted Planning in Transformation Processes

WELCOME TO ESSEN, GERMANY, FOR THE CONFERENCE REAL CORP 2011



“URBAN DEVELOPMENT IN ESSEN AND IMPORTANT ACTIVITIES IN NEIGHBOURING CITIES”

Hans-Jürgen BEST

Frank Jürgen Eick,
Director of the Urban Planning Department in Essen.

City of Essen, www.esSEN.de/Deutsch/Rathaus/Verwaltungsvorstand/Verwaltungsvorstand_6B.asp

Essen is the economical and geographical centre of the Ruhr region. Within a radius of 50 kilometres around the city centre, 8.6 million inhabitants are living right next to the industrial area – about 48 per cent of the inhabitants in the entire North-Rhine Westphalia. For non-locals it is inconceivable that in the middle of a vibrant city centre, a climate-friendly way of working, living and relaxing could be possible at the same time. But exactly this is the goal of the City Council of Essen and it will be pursued concerning the development of the city with enthusiasm.



Efficient energy use and sustainability are mandatory requirements. The addition of "Essen Green Centre" referring to the university district located next to the pedestrian zone, is on the agenda. About 4 of the entire 13 ha large urban area are transformed into a spacious water axis.. Combined to this, in spring 2011 a 21 km long bike and hiking path has been finished. The first cut of the spade for a new residential building project will soon be done.

Only a few minutes away by bike from there, one of the “founding fathers” of the industrial period of glory of the Ruhr region returned to his roots: the steel and technology concern ThyssenKrupp moved with more than 2,000 employees in the new campus headquarter located on the 230 ha large “Krupp Belt”. For an efficient treatment of the water resource, an innovative canal system has been installed, for relaxation the nearly 22 ha Krupp-Park and a more than 9,000 m² large lake are available.

ABOUT CORP



CORP conferences have been held annually since 1996 and are Europe's major congresses on Urban Planning, Regional Development and Information Society. The events are extraordinarily interdisciplinary, whereby usually a lot of new ideas and projects are generated. About 400 experts from around the world from the fields of urban planning, transport planning, information and communication technologies, architecture, ecology, real estate, GIS and surveying, multimedia technologies and more meet to discuss current tasks and topics on urban planning, regional development and information society in an international and interdisciplinary conference. Speakers and participants represent private companies as well as research institutions and public administration.

CORP 2011 is co-organised by CEIT ALANOVA, CORP association, and ISOCARP, the International Society of City and Regional Planners. The programme includes expert lectures, round tables and workshops, business presentations and exhibitions as well as extensive social events.



WELCOME TO ESSEN, GERMANY FOR THE CONFERENCE REAL CORP 2011



Harry K. VOIGTSBERGER

**Minister for Economic Affairs, Energy, Building, Housing and Transport in North Rhine-Westphalia,
Dusseldorf, Germany – www.mwebwv.nrw.de**

Welcome to North Rhine-Westphalia and welcome to a special place – the location of “Zeche Zollverein” in Essen, built in 1932. I am pleased that your conference on “urban development and the change of cities” takes place here in the “Ruhrgebiet”, a region with at least 53 cities and 5.3 million people.

Zollverein World Heritage Site is one of the most important monuments in North Rhine-Westphalia and has been registered since 2001 in the World Heritage List of UNESCO. Zollverein World Heritage Site with the former coal mining area, the coke oven plant and its new buildings – such as the SANAA Building where the congress is held – is one of the most important cultural and tourist destinations in North Rhine-Westphalia. Like no other state, North Rhine-Westphalia has dealt in recent decades with conversions and renovations and has set a new value to areas thanks to the conservation and the uses of industrial monuments. Industrial monuments such as the Zollverein World Heritage Site were used as starting points for building culture and urban development, keeping in mind its roots and respecting them. Therefore in the Ruhrgebiet there was an unique human identity and cultural landscape to be preserved and to be developed.

Zollverein World Heritage Site is having a structural change in an old industrialized region, which succeeds in spite of an increasingly difficult environment in attracting high-quality service industries, knowledge society staff and creative people. The former coal mines include the "Ruhr Museum", the "Design Centre North Rhine-Westphalia" as well as numerous companies in the creative industry, a gallery, studios and more.



Anne Katrin BOHLE

Ministerialdirigentin, Ministry for Economic Affairs, Energy, Building, Housing and Transport of North Rhine-Westphalia; Dusseldorf, Germany – www.mwebwv.nrw.de

Welcome to Germany, North Rhine-Westphalia and to the very special location of "Zollverein World Heritage Site" in Essen in the "Ruhrgebiet". This region was dominated by coal mining for more than 150 years and the structural changes have been dramatic with a job decrease in the mining industry from 500,000 in the 1960s to less than 30,000 nowadays.

Therefore, transformations, conversions and renovations have been on the spatial planning agenda of North Rhine-Westphalia in recent decades. The “Real Estate Fund North Rhine-Westphalia” from 1980 was one instrument for mobilizing old brownfields and activating them for new use like it happened at Zollverein World Heritage Site with the new “Ruhr Museum” or with this conference location SANAA Building. Since two decades, special funding and urban marketing programmes for city centres in North Rhine-Westphalia or urban competitions have been in the main focus. “City Offensive”, a public-private partnership project since 10 years now, is another example for such activating instruments. Zollverein World Heritage Site is a perfect example for the structural change in the “Ruhrgebiet”. Last year, more than 2 million visitors – from Germany as well as from other countries – visited this place as part of the European Capital of Culture RUHR.2010 and made it a new tourism stronghold in North Rhine-Westphalia. Beside numerous and permanent cultural institutions like the Ruhr Museum, an ice-skating arena in winter or a swimming pool in summer are two examples for subsequent use on that old coal mining site. Hopefully you find some time to visit this extraordinary Zollverein World Heritage Site.

All the best wishes for the conference REAL CORP 2011 at the SANAA Building and "Glück Auf"!

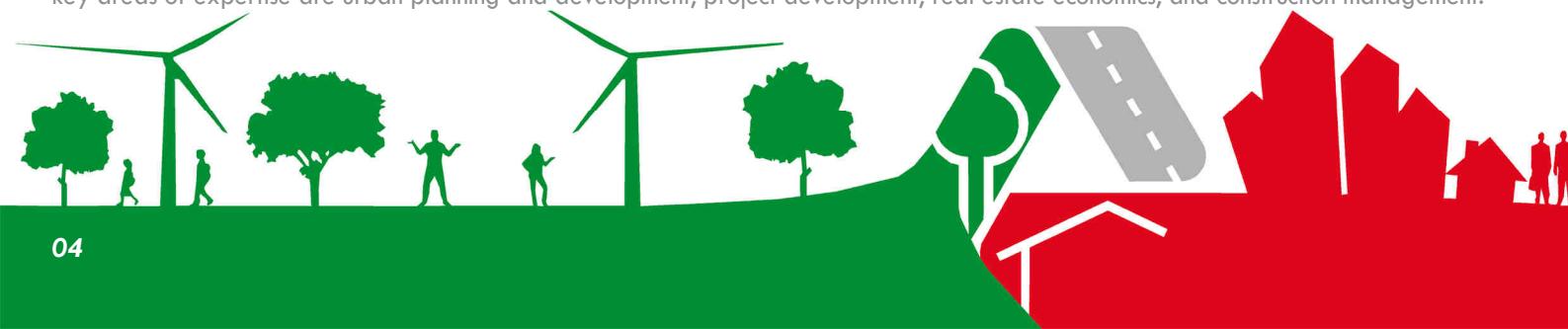
KEYNOTE SPEAKERS



“INNOVATION CITY RUHR – BLUE SKIES, GREEN CITIES – CLIMATE CITY FOR THE FUTURE ”

Markus PALM
Initiativkreis Ruhr

Markus Palm studied architecture and construction management at the universities of Wuppertal and Dortmund. He then pursued post-graduate studies in Real Estate Economics. After working as an architect and construction project co-ordinator, Mr Palm went on to manage and direct a series of large building projects in the inner harbour of Duisburg. Then, as branch agency director for "Orco Projektentwicklung GmbH", he co-ordinated the construction of "Sky Office Düsseldorf", a modern high-rise office building. In recent years, Mr Palm has held positions of responsibility in a series of project development firms in Frankfurt. Since mid-2010, he has been managing director of **InnovationCity Management GmbH**, a consortium responsible for the realisation of a low-energy-cost city of the future. In the upcoming decade, an entire city district of the size of ca. 70,000 inhabitants will be remodelled along those lines as a pilot project for future metropolitan energy efficiency. His key areas of expertise are urban planning and development, project development, real estate economics, and construction management.



CHANGE FOR STABILITY

LIFECYCLES OF CITIES AND REGIONS

The Role and Possibilities of Foresighted Planning in Transformation Processes

KEYNOTE SPEAKERS



“POLITICS OF PLANNING”

Henk OVINK

**Director for National Spatial Planning NL, Vice Director General,
Ministry of Infrastructure and the Environment,
Co-curator for the International Architecture Biennale Rotterdam 2012;
Den Haag, The Netherlands, international.vrom.nl**

Henk Ovink (1967) is the Director of National Spatial Planning and vice Director General for the Dutch Ministry of Infrastructure and the Environment. He is responsible for the development of the new Dutch Spatial Planning Policy, the Architecture Policy on Architecture and Spatial Design, the new Spatial Planning Act (WRO), several long-term plans and studies including the Randstad 2040 Structural Vision and the Dutch spatial Olympic strategy (Plan for the Olympics 2028) and furthermore for the R&D agenda on Spatial Planning, two academic chairs at the University of Utrecht (Planning Studies) and the Delft University of Technology (Design and Politics, initiated by Ovink in collaboration with Wytze Patijn, Dean of the Faculty of Architecture at the TU Delft) and different research projects on sustainability, spatial planning, governance and design.

Henk Ovink is co-curator for the International Architecture Biennale Rotterdam 2012 "Making City" and curator 2011 for Aedes Network Campus Berlin on Design&Politics: The Next Phase. Ovink teaches at Harvard GSD, Columbia GSAPP, University of Kentucky, TU Delft, and among others the Design Academy Eindhoven. He is responsible for (initiating) the research program Design and Politics (DAPP) and lectures on new ways of planning and the position of politics and design at several conferences around the world. He set up a series of publications with OTO Publishers called Design and Politics covering the historical and political perspective as well as focusing on specific issues (designing the Randstad, Compact Cities and more). Ovink has published several articles on the change of government, governance and planning as well as on the specific relationship between design and politics.



“INFRASTRUCTURE AND KNOWLEDGE SOCIETY”

Bernd STREICH

**University of Kaiserslautern, Department of CAD & Planning Methods in
Urban Planning and Architecture; Kaiserslautern, DE**

Bernd Streich is Professor for Computer-aided Design and Planning Methods in Spatial Planning and Architecture at the Technical University Kaiserslautern in Germany. After his study time in Hamburg and Bonn, Bernd Streich was a scientific assistant at the chair for urban design and urban settlement at the University of Bonn and from 1987 to 1990 he worked in the planning department in the municipality of Essen. He received his doctor's degree 1983 on the subject of "Simulation of Urban Form/Design by Using Computer Techniques". Since 1990 Bernd Streich has been Professor at the Technical University Kaiserslautern. From 1997 to 2001 he was a substitute of the professorship for urban planning at the University of Bonn. He is a member of the German Academy for Urban Development and Regional Planning (DASL), the Academy for Spatial Research and Planning (ARL) and the Higher Expert Committee for Land Valuation and Real Property of Rheinland-Pfalz.



“VIRTUAL SCIENCE PARK FOR THE KNOWLEDGE SOCIETY – THE STRATEGIC SPATIAL PLANNING OF KNOWLEDGE COMPLEX IN THE REGENERATION OF REGIONS”

Tse-Fong TSENG

National University of Kaohsiung (NUK), Graduate Institute of Urban Development and Architecture; Kaohsiung, RC

Tse-Fong Tseng is currently Associate Professor at the Graduate Institute of Urban Development and Architecture and at the Center for Research on Regional Economy and Urban Development, both located at the National University of Kaohsiung. Further he is the Director of the Administrative Office for Union of Universities in Nord Kaohsiung. After his Master studies in the Department of Architecture at the National Cheng-Kung University in Taiwan, he finished his PhD studies at Technische Hochschule in Darmstadt in Germany at the Department of Architecture in 1994. From 2006 to 2010 Tse Fong Tseng was the Director of the Association of Glocalization Development and from 2007 to 2010 Member of Urban Planning Committee Kaohsiung City Government. Another professional experience was his work at the Kaohsiung County Government.

His areas of expertise are Low-Carbon & Passive House Design, Ecological Urban Planning & Design, Landscape Planning and Regional Policy & Development.



MINISTRY FOR ECONOMIC AFFAIRS, ENERGY, BUILDING, HOUSING AND TRANSPORT

Ministry for Economic Affairs, Energy, Building, Housing and Transport of North Rhine-Westphalia, Dusseldorf, Germany — www.mwebwv.nrw.de

Ministerium für Wirtschaft, Energie,
Bauen, Wohnen und Verkehr
des Landes Nordrhein-Westfalen



With the “Leipzig Charter on Sustainable European Cities”, the Ministers of the European Union responsible for Urban Development have initiated a process in 2007 which is oriented towards the European urban development with common goals and integrated strategies. The aim is to implement the “EU Sustainable Development Strategy”.

Urban development policy in North Rhine-Westphalia is based on this idea of the European city which emphasizes the economic, social and cultural values of cities. The role of cities is twofold: they have an innovative impetus and are engines for the development of the entire country and therefore must be supported in this role. But cities are also responsible towards disadvantaged neighbourhoods and inhabitants, for ensuring a balance among the urban population, for overcoming the effects of demographic change and climate change. Internal development, land conversion and stabilization of the inner cities and town centres are particularly in focus.

The complexity of urban challenges can only be met with an integrated urban development. Integrated urban development concepts are therefore the basis for action in urban development and urban development promotion programmes in North Rhine-Westphalia.

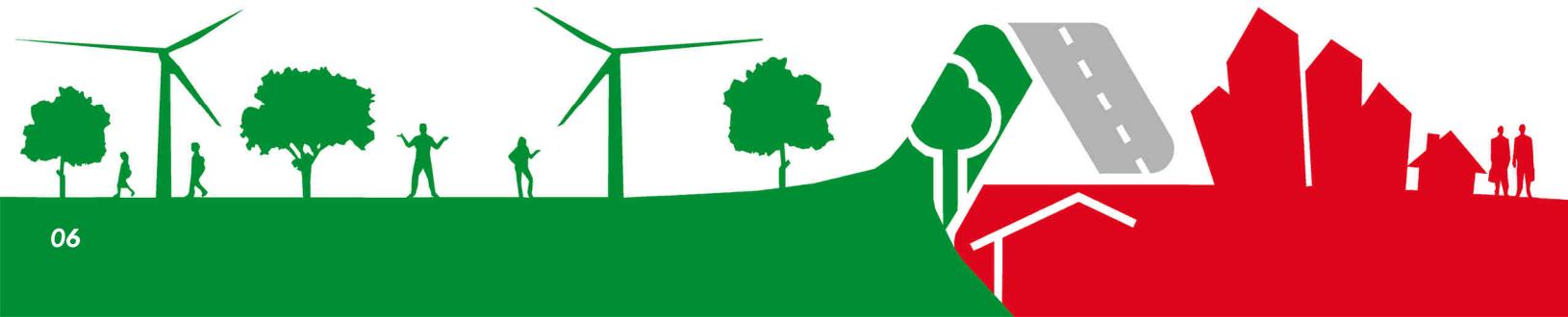
INNOVATION CITY RUHR

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innovationcity@bottrop.de



InnovationCity Ruhr is a pilot project with power to spread: in the next ten years, a complete borough of a city with about 70,000 inhabitants is to become a model of energy efficiency. The concrete aim: in this urban model in the southern part of Bottrop, CO₂ emissions are to be reduced by 50 per cent by the year 2020. This is to be achieved through innovative technologies and proven methods in energy efficiency, revitalization, decentralized generation of energy, (electrical) mobility, urban renewal and Smart Energy. The implementation of the project requires an aggregation of forces: all persons concerned, governments at all levels, business and science will work closely together and act in concert with citizens. The motto here is: "Concerted action". InnovationCity Ruhr sees itself as an instigator of energy-efficient urban renewal in the entire Ruhr region beyond the bounds of the pilot project itself - promoting a greener and more attractive living environment. And climate protection as well. The long-term aim thus also includes the transferability of the findings and the developed processes to comparable regions and cities of the Federal Republic and the rest of Europe. Energy efficiency and renewable sources of energy are the markets of the future. As a unique example of public-private partnership, the urban renewal project InnovationCity Ruhr is a multi-billion investment shared by enterprises and the State of North-Rhine Westphalia. An investment giving a region traditionally concerned with energy supply an opportunity to become a world pioneer in climate and environmental protection technologies, together with all participants and enterprises as well. The idea of the InnovationCity Ruhr project was developed in the Ruhr initiative group comprising sixty-seven leading business enterprises. Together, these employ 2.25 million people and generate sales worth EUR 630 billion world-wide. Their executives represent the Ruhr initiative group as personal members.

InnovationCity Management GmbH, sponsored by the State of North-Rhine Westphalia and the EU will manage the project for the coming ten years (up to 2020). Its task is to supervise the entire process of the InnovationCity Ruhr project, to coordinate it, and to publicize it. It is the interface bringing together the protagonists and future partners. It plans and implements the comprehensive economic and ecological renewal of cities with the aim of bringing a continuous and sustainable improvement to the quality of life.



CHANGE FOR STABILITY

LIFECYCLES OF CITIES AND REGIONS

The Role and Possibilities of Foresighted Planning in Transformation Processes

DUTCH MINISTRY OF INFRASTRUCTURE AND ENVIRONMENT

Ministry of Infrastructure and Environment

The Ministry of Infrastructure and Environment is committed to strengthen the international economic competitiveness and to improve quality of life, access and mobility in a clean, safe and sustainable environment. The Netherlands consists of an network of historically grown and developed cities in a Delta of rivers in an culturally outstanding historic landscape below sea level. This positions the main assets of the Netherlands as well as the main tasks the Ministry stands for. The Ministry strives to maintain and develop this efficient network of cities through investing in its roads, railways, waterways and airways, effective water management to protect against flooding, and improved air and water quality. The Netherlands is a densely populated country where issues such as living space have to be considered carefully. Maintaining the welfare society and improving the spatial-economic structure needs respect for nature, space and raw materials. We have to keep the environment that we live, work, and recreate in healthy and sustainable - not only for ourselves but for future generations as well.



Ministerie van Infrastructuur en Milieu

Directorate-General of Spatial Policy

The Directorate-General of Spatial Policy advises the Minister of Infrastructure and the Environment in fulfilling responsibility for establishing and implementing cohesive national planning and design policy for the Netherlands's sustainable spatial development that contribute to a strong economic competitiveness. The Spatial Planning Act is one of the main implementing instruments. The Directorate-General promotes spatial developments along the lines of less detailed regulation by central government, fewer barriers and greater latitude for other levels of government, members of the public and market parties. Currently the National Spatial Strategy is actualized. The economic crisis is forcing the government to make sharp choices. Actualization, decentralization and deregulation of the national spatial policy are the keywords of the future spatial policy. Within the scope of the actualization the government focuses on economic prioritized urban regions, including the mainports (Schiphol airport, port of Rotterdam), brainport (Eindhoven) and greenports.

INTERNATIONAL ARCHITECTURE BIENNALE ROTTERDAM (IABR)

The International Architecture Biennale Rotterdam (IABR) was founded on the conviction that architecture is a public concern and that its main challenge is the design of decent day-to-day living conditions for billions of people.

Conceived as a research biennale each edition of the IABR is based on an urgent social agenda, engaging the fields of architecture, landscape architecture, and urbanism in research, public dialogue, multi-media presentation and concrete design.

The **5th IABR: Making City** starts from the premise that massive worldwide urbanisation is inevitably forcing us to rethink the way we govern, plan and design our cities. As a consequence of continuing urbanization, “city making” is presenting itself as one of the most effective, hands-on (political) instruments for responding to social challenges. However, as they have been conceived within the administrative context of the nation state, the existing planning principles and procedures are often failing to respond to current socio-economical, ecological and other challenges that cities are facing.



INTERNATIONAL ARCHITECTURE BIENNALE ROTTERDAM

In close collaboration with municipal authorities and other local partners, the IABR itself is initiating and coordinating three innovative projects for three **Test Sites**, respectively in Rotterdam, Istanbul and São Paulo. These Test Sites are exemplary for three significant, recurring evolutions and challenges that necessitate a rethink of our planning system. By partnering with the IABR, the local Test Site projects can side-step the regular, linear planning process and connect to an international trajectory of research, design, debate, reflection and presentation, thus adding reflection and quality to the regular process while the aim is still to implement.

In order to create a broader context for its main arguments, the 5th IABR has launched a worldwide Call for Projects to identify a series of completed, ongoing or planned processes and projects which rethink the existing relationship between (urban) politics, planning and design.

In April 2012, the results of 1.5 years of testing, researching, designing and interaction between all involved international partners, will culminate into the actual Biennale, with the main exhibition being presented at the Dutch Architecture Institute (NAI), with other exhibitions and parallel programs in Rotterdam and elsewhere in Holland, and with local Test Site exhibitions and special programs in São Paulo, Istanbul and, again, Rotterdam. The 5th IABR will open with a Conference on Making City and it will closely collaborate with Dutch public television to broadcast its program to a wider audience.



SCHEDULE

Tuesday, 17 May 2011

19:00 **Informal Welcome Meeting at SANAA Building**

Wednesday, 18 May 2011

08:00 - 09:15	Check-In and Registration at SANAA Building
09:15 - 10:45	Opening Welcome Session & First Keynote Speeches
11:00 - 12:45	Further Keynote Speeches, Presentations
12:45 - 13:30	Lunch Break
13:30 - 15:15	Presentations (5 parallel sessions)
15:15 - 15:45	Coffee Break
15:45 - 17:30	Presentations (4 parallel sessions)
17:30 - 20:00	Guided Tours at Zollverein World Heritage Site (in English and German)

Thursday, 19 May 2011

09:00 - 10:45	Presentations, Workshops (5 parallel sessions)
10:45 - 11:15	Coffee Break
11:15 - 13:00	Presentations, Workshops (5 parallel sessions)
13:00 - 14:00	Lunch Break
14:00 - 15:45	Presentations (5 parallel sessions)
15:45 - 16:15	Coffee Break
16:15 - 18:00	Presentations (5 parallel sessions)
Evening 19:00 - open end	Evening Reception at SANAA Building

Friday, 20 May 2011

09:00 - 10:45	Presentations (4 parallel sessions)
10:45 - 11:15	Coffee Break
11:15 - 13:00	Presentations, Workshops (5 parallel sessions)
13:00 - 14:00	Lunch Break
14:00 - 15:45	Presentations (3 parallel sessions)
15:50 - 16:30	REAL CORP 2011 Closing Session, Outlook on REAL CORP 2012

Saturday, 21 May 2011

10:00 - 18:00 **Bicycle Tour at Zollverein World Heritage Site (registration required, limited capacity)**





Wednesday, 18 May 2011

		Grand Hall	
08:00-09:15		Registration & Come Together	
09:15-10:45	REAL CORP 2011 Opening and Welcome by Representatives of Organisers and Partners	 Manfred SCHRENK , Conference Director Managing Director of CEIT – Central European Institute of Technology & CEIT ALANOVA – Department for Urbanism, Transport, Environment and Information Society, Schwechat/Austria, www.ceit.at Vice-President ISOCARP – International Society of City and Regional Planning, www.isocarp.org	 Hermann MARTH , Vorstandsvorsitzender Stiftung Zollverein, Essen http://www.zollverein.de/
	Keynote Speeches:	 Henk OVIINK Director for National Spatial Planning NL, Vice Director General, Ministry of Infrastructure and the Environment, Co-curator for the International Architecture Biennale Rotterdam 2012; Den Haag, The Netherlands, international.vrom.nl	 Anne KATRIN BOHLE Ministerialdirigentin, Ministry for Economic Affairs, Energy, Building, Housing and Transport of North Rhine-Westphalia; Dusseldorf, Germany – www.mwebbw.nrw.de
11:00-12:45	KEYNOTES Chair: Manfred Schrenk	 Bernd STREICH University of Kaiserslautern, Department of CAD & Planning Methods in Urban Planning and Architecture; Kaiserslautern, DE	 TSENG Tse-Fong National University of Kaohsiung (NUK), Graduate Institute of Urban Development and Architecture; Kaohsiung, RC
12:45-13:30	Lunch Break		

Wednesday, 18 May 2011

13:30- 15:15 Chair: Josef Benedikt	G Safety, Security, Dynamics, Flexibility .. "Flexicurity"? Chair: Josef Benedikt	Kernelemente städtischer und regionaler Entwicklung Chair: Christian Eizinger	1 Urban Green Systems Chair: Daniela Patti	2 Monitoring and Managing Growth and Resources Chair: Jan-Philip Exner	3 Managing Historic Substance Chair: Pietro Elisei	4



15:45-17:30	Climate Change and Sustainable Development? Chair: Christian Eizinger	G Anforderungen und Realisierungen urbaner Konversationsflächen Chair: Linda Dörzzapf	1 Chair: Julia Neuschmid	Planning Data Infrastructures 2 Chair:	3 Spatial Patterns Chair:	4 Spatial Partitioning of Livability Indices: South Florida Case Study Yexsy SCHOMBERG, Kasama POLAKIT, David PROSPERI
Cities and Climate Change: A Simulation Model for the Ruhr Area 2050 Felix HUBER*, Klaus SPIEKERMANN**, Michael WEGENER** * Bergische Universität Wuppertal; ** Spiekermann & Wegener, Urban and Regional Research; Dortmund, DE	Von der Brache zum urbanen Nährboden Martina BAUM ETH Zürich; Zürich, Schweiz	MULTIVERSUM – die Halle für alle: ein weiterer Meilenstein der Zukunftsstrategie der Stadt Schwechat Franz KUCHHAROWITS Multiversum Schwechat, Geschäftsführer; Schwechat, AT	Data for Spatial Planning – a Comparison of Three Cities Gerhard NAVRATIL*, Johannes SCHOLZ*, Ladislav DANEK**, Farid KARIMPOUR*** * Vienna University of Technology, Institute and Regional Planning; West Palm Beach, Florida, USA	Creation of Value-Added Services based on Harmonized Land Use and Land Cover Datasets: Project HLANDATA Maria CABELLO*, Isabel GOÑI*, Delia SOLA** * Tracasa; Sarriguren, Navarra, Spain ** Government of Navarre; Pamplona, Spain	An Open Source WebGIS Solution for a Merging Cross-Border Region A Best Practice Example Eurodistrict Saarmoselle Guido KEBBEDIES, Jan-Philipp EXNER TU Kaiserslautern, Lehrgebiet cpe; Kaiserslautern, DE	The “Sprawl Repair Act”: Realizing Polycentricity in Metropolitan Spatial Structure Jenny HSU, David PROSPERI Florida Atlantic University, Department of Urban and Regional Planning; Fort Lauderdale, USA
Energy Transition and Sustainable Spatial Development in the Northern Netherlands Martin DUBBELING, Michaël MEIJER SAB Urban Planning and Design, Research, Strategy and Design; Arnhem, The Netherlands	Aspern, die Seestadt Wiens: offene Strukturen für eine robuste Stadtentwicklung Peter HINTERKÖRNER Wien 3420 Aspern Development AG; Vienna, AT	Konversion in Darmstadt Harald KISSEL Wissenschaftsstadt Darmstadt; Darmstadt, DE	Neustart Kommunalpolitik – wo geht die Reise im Zeitalter von Web 2.0 hin? Franz-Reinhard HABELL Deutscher Städte- und Gemeindebund; Berlin, DE	PLAN4ALL: the approach to harmonise planning information Julia NEUSCHMID, Wolfgang WASSERBURGER, Manfred SCHRENK CETT ALANOVA, Central European Institute of Technology, Schwechat, AT	Why in the Czech Republic the Sustainable Land Use Efforts have Failed to Match up the Improvements in Available Tools Jiřina BERGATT JACKSON IURS – Institut pro udržitelný rozvoj s.r.o.; Praha, Czech Republic	Explore Urban Flood Vulnerability based on Spatial Pattern in Taiwan Ecological City Viewpoint Chin Hsien LIAO, Hsueh-Sheng Chang CHANG National Cheng Kung University, Department of Urban Planning; Tainan, Taiwan
The Dynamics of Urban Change in Times of Climate Change – the Case of Ho Chi Minh City Harry STORCH, Nigel DOWNES Brandenburg University of Technology Cottbus, Environmental Planning; Cottbus, DE	Community Energy Planning – Examples And Experiences Stefan BLÜM Kofler Energies International GmbH, DE					17:15- TOURS at ZOLLVEREIN WORLD HERITAGE SITE (in English and German)



Thursday, 19 May 2011

09:00-10:45 Knowledge and Experiences for Cities and Regions Chair: Julia Neuschmid	1 Klimangepasste Stadtentwicklung Chair: Sascha Henninger	2 Living and Housing Around the Globe Chair: Pietro Elisei	3 Towards Resilience and Quality of Life Chair:	4 Räumliche Planungsdaten: Ein Überblick über die neuesten Entwicklungen auf dem Geodatenmarkt
<p>👉 International Knowledge Transfer – Analysis of Planning Cultures Christina STEINHAUER TU Kaiserslautern, Internationale Planungssysteme; Kaiserslautern, DE</p> <p>How the INTERREG IVC project „GRaBS“ can change European cities Christine SCHWABERGER*, Age Niels HOLSTEIN** * Amt der Stmk Landesregierung, FA 13B, Bau- und Raumordnung; Graz, AT ** City of Amsterdam, City District Nieuw-West, Amsterdam, Netherlands</p> <p>Renaissance of the Cities? An Empirical Analysis of the Population Development in German City Regions 1999-2009 Frank OSTERHAGE ILS – Institut für Landes- und Stadtentwicklungsforschung; Dortmund, DE</p>	<p>👉 Stadtumbau für das 21. Jahrhundert Markus TOMASELLI TU Wien, Städtebau; Vienna, AT</p> <p>👉 Chance auf Vorbereitung eines geordneten Übergangs oder Herausforderung eines anlassbezogenen Krisenmanagements? Zur Stellung der Raumplanung in der Diskussion um post-fossile städtische Zukünfte Tatjana FISCHER*, Gernot STÖGLEHNER*, Franz SKALA** * Universität für Bodenkultur Wien, Institut für Raumplanung und Ländliche Neuordnung; Vienna, AT ** Institut für ökologische Stadtentwicklung; Vienna, AT</p> <p>Stadtentwicklungsplan Klima, Berlin Carl HERWARTH VON BITTFENFELD Herwath + Holz; Planung und Architektur; Berlin, DE</p> <p>Joint Programming Initiative Urban Europe – a new Approach to Funding Research on Urban Issues and Technologies in Europe Hans-Günther SCHWARZ BMVIT, Austrian Ministry of Transport, Innovation and Technology; Vienna, AT</p> <p>Governance between Stability and Change – the Case of the Metropolitan Region Hamburg Sabine v. LÖWIS Centre Marc Bloch, Berlin, DE</p>	<p>👉 Housing Informality in Expanding Ethiopian Cities: Moving beyond the ‘New Normal’ Syndrome Tendayi GONDO University of Venda, Urban and Regional Planning; Thohoyandou, South Africa</p> <p>👉 Socio-Economic Determinants of Urban Poor Housing Types in Makoko Area, Lagos Leke ODUWAYE, Victor ILECHUKWU, Omoayena YADUA University of Lagos, Urban and Regional Planning, Lagos, Nigeria</p> <p>Research of Public Housing Policy in Taiwan Yi-Hsuan LIN National Taipei University, Taipei, Taiwan</p> <p>A Place for Living, the Role of Municipalities in Urban Regeneration – a Case Study from Tehran, Iran Ebrahim JAMSHIDZADEH, Mahdi YAHYAPOOR Tehran Municipality; Tehran, Iran</p> <p>Solarinitiative München (SiM) – 300 MWp auf den Dächern einer Großstadt Michael KÖNIG K.GROUP Energie und Klimaschutz, Nachhaltige Energievorsorgung und Stadtentwicklung; München, DE</p> <p>Untersuchungen zum Informations- und Wissensmanagement in der urbanen Pflanzenverwendung Marcel HEINS*, Wolfram KIRCHER** * Hochschule Anhalt, IKT in der Landschaftsarchitektur; Bernburg, DE ** Hochschule Anhalt, Fachgebiet Pflanzenverwendung; Bernburg, DE</p>	<p>👉 Metaphors from the Resilience Literature: Guidance for Planners Adriana SCOTTI, David PROSPERI Florida Atlantic University, School of Urban & Regional Planning; Fort Lauderdale, USA</p> <p>👉 Preventive Development of Urban Neighbourhoods: Demand-Oriented Life-Cycle Management Jutta DEFFNER*, Immanuel STIESS** * Institute for social-ecological Research in ISOE, Mobility and Urban Areas; Frankfurt am Main, DE ** Institute for social-ecological Research in ISOE, Energy and Climate Protection in Everyday Life; Frankfurt am Main, DE</p> <p>Guidelines and Rating Systems as Tools to Foster Climate Change Adaptation of Ho Chi Minh City's Urban Infrastructure Ronald ECKERT Brandenburg University of Technology Cottbus, Department of Urban Planning and Spatial Design; Cottbus, DE</p> <p>👉 Innovative Spatial Planning in Mitigating Climate Change-Related Vulnerability in Nigerian Urban Centres Yekeen SANUSI Federal University of Technology, Urban and Regional Planning; Minna, Nigeria</p> <p>👉 Web-based Interoperability System: A Collaborative Method to Integrate Rural Buildings with their Surroundings Jin Su JEONG*, Lorenzo GARCÍA MORUNO*, Julio HERNÁNDEZ BLANCO** * Universidad de Extremadura, Expressión Gráfica; Mérida, Spain ** Universidad de Extremadura, Expressión Gráfica; Plasencia, Spain</p>	<p>👉 Erdbeobachtung und Raumentwicklung? Hannes TAUHENBÖCK, Thomas ESCH, Wieke HELDENS, Michael WURM, Christian GEISS, Stefan DECH Deutsches Zentrum für Luft- und Raumfahrt e.V. (DLR), Deutsches Fernerkundungsdatenzentrum (DFD); Wessling, DE</p> <p>👉 GIS-Analysen mit Geodaten von Regionalplänen und ihre Bedeutung für die Politikberatung Klaus EINIG Federal Institute for Research on Building, Urban Affairs and Spatial Planning (BBSR), Division I 1 Spatial Development; Bonn, DE</p> <p>Umsetzung der INSPIRE-Richtlinie in Nordrhein-Westfalen Stefan SANDMANN BM für Umwelt, Naturschutz und Reaktorsicherheit, DE</p> <p>👉 Deutschland verändert sich – LOCAL@2011 – das amtliche Gebietsraster Dirk SCHNEIDER INFAS; Geodaten; Bonn, DE</p> <p>👉 Planungsrelevanz: Potenziale und Herausforderungen neuer Geodatenstrukturen Stefan FINA Universität Stuttgart, Institute of Regional Development Planning; Stuttgart, DE (Fortsetzung nach der Pause)</p>
10:45-11:15 Coffee Break				

Thursday, 19 May 2011

11:15 - Planning and Development in European Metropolitan Regions: Rhine-Metropolis & Vienna Cases Chair: Manfred Schrenk	1 Ökologisch und ökonomisch nachhaltige Stadt- und Regionalentwicklung Chair: Frank Ote	2 Urban Transformation Monitoring Chair: Wolfgang W. Wasserburger	3 Urban Transformation Monitoring Chair: Wolfgang W. Wasserburger	4 Managing Urban Regions Chair: Judith Ryser	5 Räumliche Planungsdaten: Ein Überblick über die neuesten Entwicklungen auf dem Geodatenmarkt
Urban Development in Essen and Important Activities in Neighbouring Cities Hans-Jürgen BEST City of Essen; North Rhine-Westphalia, DE “Smart City Wien”. Vienna’s Stepping Stone into the European Future of Technology and Climate Kurt HOFSTETTER*, Alexandra VOGL** * City of Vienna, AT **TINA VIENNA Urban Technologies & Strategies GmbH; Vienna, AT	Niederländische Stadtbausteine Stefan NETSCH University of Applied Sciences Rotterdam, School of built Environment; Rotterdam, NL	Foresighted Planning, Dynamic Plan – the Role of New Tools in Spatial Transformation Izabela MIRONOWICZ, Magdalena MŁEK-GALEWSKA Wrocław University of Technology, Faculty of Architecture; Wrocław, Poland	Urban Monitoring Laboratory: New Benefits and Potential for Urban Planning through the Use of Urban Sensing, Geo- and Mobile Web Jan-Philipp EXNER, Peter ZEILE, Bernd STREICH TU Kaiserslautern, Lehrgebiet cpe; Kaiserslautern, DE	Rift between the Principles of Sustainability, Market Requirements and Strategic Planning – the possible Approaches to Local Planning of National Park Kopaonik Area Biserka MITROVIĆ, Sanja SIMEUNČEVIĆ, Miodrag RALEVIĆ, Tanja KLİŞMANIĆ Faculty of Architecture University of Belgrade, Department for Urban and Spatial Planning; Belgrade, Serbia	CentropeSTATISTICS – interaktive grenzüberschreitende Geo-Statistik Clemens BEYER*, Manfred SCHRENK*, Walter POZAREK** * CEIT Central European Institute of Technology, CEIT ALANOVA; Schwechat, AT ** PGO – Planungsgemeinschaft Ost; Vienna, AT
Innovative Urban Development Projects in Vienna Brigitte JILKA City of Vienna, AT	CultNature – neue urbane Landschaften als Strategie ökologisch und ökonomisch nachhaltiger Stadtentwicklung Hans-Peter NOLL*, Andreas KIPAR**, Franz LEHNER*** * RAG Montan Immobilien; Essen, DE ** KLA Kiparlandschaftsarchitekten; Duisburg/Milano, DE/Italy *** Institut Arbeit und Technik; Geisenkirchen, DE	Of Cells and Cities: a Comparative Econometric and Cellular Automata Approach to Urban Growth Modelling Eric DE NORONHA VAZ*, Matthias KOCH**, Tamas KRISZTIN** * Universidade Nova de Lisboa, Portugal ** WU Vienna, Institute for Economic Geography, Vienna, AT	Creating Added Value in Working Landscapes – The Development of the Atlanta BeltLine Dagmar GRIMM-PRETTNER*, Doris GSTACH** * University of Natural Resources and Life Sciences, Institute of Landscape Architecture; Vienna, AT	Planungsrelevante Datengrundlagen für Österreich: LISA – Land Information System Austria Klaus STEINNOCHER*, Gebhard BANKO**, Jürgen WEICHSELBAUM*** * ALT Austrian Institute of Technology, Foresight and Policy Development; Vienna, AT ** Umweltbundesamt; Vienna, AT *** GeoVille; Innsbruck, AT	Verwendungsbareitsanalyse urbaner Räume: Ableitung von Indikatoren aus multisensoralen Fernerkundungsdaten Hannes TAUBENBÖCK, Michael WURM, Igor KLEIN, Thomas ESCH DLR, DFD-LA; Weißling, DE
Phoenix Dortmund: Potential Location for Technology and Quality of Life Paul BLANKE-BARTZ Economic promotion Dortmund, DE	Layers of the Region RUHR Jan POLIVKA University of Dortmund, Department of Urban Design, Dortmund, DE	Simulation of Pedestrian Behaviour in Urban Spaces. A case study of “Sidi Gaber” Public Space, Alexandria, Egypt Rania RASLAN, Ali BAKR, Hanay AYAD Faculty of Engineering, Alexandria University, Department of Architecture; Alexandria, Egypt	Dealing with Peripheralisation in Urban Development – the Case of Pirmasens Sabine WECK II.S – Research Institute for Regional and Urban Development ; Dortmund, DE	Stand der Einführung von XPlanung in „Norddeutschland“ Kai-Uwe KRAUSE Landesbetrieb Geoinformation und Vermessung; Hamburg, DE	Anschließend Diskussion
Impulsgeber für andere Regionen, Sachsen-Anhalt – ein Modell? Silja TILLNER Architekten Tillner&Willinger, Co-Principal; Vienna, AT	Abstand halten – Nutzungsmischung erzeugen. Räumliche Risikovorsorge und Umweltschutz Arne SIEGLER*, Ingo WIETZEL** * TU Kaiserslautern, Lehrstuhl Stadtplanung; Kaiserslautern, DE ** FH Erfurt, Fakultät Architektur, Fachgebiet Planungstheorie; Erfurt, DE	Pathology of Urban-Rural Interfaces Role in Urban Growth Management Furugh KARMIZADEH*, Samaneh KHOSRAVANI**, Peyman ZADEHBAGHERI** * Tarbiyat Modares University, Urban and Regional Planning; Tehran, Iran ** Shahid Beheshti University, Urban and Regional Planning; Tehran, Iran	Engaging the Mobile Citizens Stefan HÖFFKEN, Bernd STRIECH TU Kaiserslautern, Lehrgebiet cpe; Kaiserslautern, DE	Lunch Break	
13:00-14:00					

CHANGE FOR STABILITY – Lifecycles of Cities and Regions				
14:00-15:45	Territorial Transformation	1 Innovative Mobilitätskonzepte Chair: Dirk Engelke	2 Urban Transport Perspectives Chair: Daniela Patt	3 GIS & SDI in Urban Development Chair: Wolfgang W. Wasserburger
5	4	Urban Regeneration Chair: Judith Ryser		
		<p>👉 Supra-regional Partnerships – What can they Contribute to Innovative Regional Development?</p> <p>Sandra PENNEKAMP TU Darmstadt, FG Landmanagement; Darmstadt, DE</p> <p>Territory + High-Speed Rail – (Agriculture)Zones + Eco-Parks + Seashores). Proposal for Strategic Planning of China's Coastal Region Starting with No-Build Zones</p> <p>Stefan RAU Metropolitan Synergies Shanghai/Lanzhou UT; Shanghai, PR China</p>	<p>👉 Anforderungen an ein individuelles Verkehrsinformationsystem zur Optimierung der Verkehrsmittel- und Routenwahl von Pendlern</p> <p>Oliver ROIDER Universität für Bodenkultur Wien, Institut für Verkehrswesen; Vienna, AT</p> <p>Mobilität prägt Städte und Regionen – MAI, der „Mobilitätsausweis für Immobilien“, als Promotor nachhaltiger Mobilität</p> <p>Manfred SCHREINK, Christian ELZINGER CETT Central European Institute of Technology, CETT ALANOV/A; Schwechat, AT</p>	<p>👉 Metro or Light Rail: Belgrade Transport Proposals</p> <p>Danilo FURUNDZIC, Raiko Lj. KORICA University of Belgrade, Faculty of Architecture, Department of Urban Planning; Belgrade, Serbia</p> <p>Aerial Ropeway Systems as an Alternative Means of Transportation</p> <p>Katharina Anna RUDOLPH Doppelmayr Cable Car, Business Development, Vienna; AT</p> <p>Parallel Infrastructures and the Changing Metropolis: the Case of Lisbon</p> <p>João Rafael SANTOS Technical University of Lisbon, Faculty of Architecture; Lisboa, Portugal</p>
		<p>👉 +pol – Multimodale Mobilitätsstationen am Beispiel der Stadt Freiburg im Breisgau</p> <p>Nadia BAUTZ*, Peter ZEILE** * TU Kaiserslautern, imove – Institut für Mobilität und Verkehr; Kaiserslautern, DE ** TU Kaiserslautern, Lehrgebiet cpe;</p>	<p>Development of an Open Framework to Provide Intelligent Multi-Modal Mobility Services</p> <p>Diego TAGLIONI, Raffaele DE AMICIS, Giuseppe CONTI, Daniele MAGLIOCCHETTI, Gabrio GIRARDI Fondazione Graphitech; Trento, Italy</p>	<p>👉 The Use of GIS Application in Identifying Youth Recreational Area in Subang Jaya, Selangor</p> <p>MAIDIN University of Malaya, Urban Studies and Planning Programme; Kuala Lumpur, Malaysia</p>
		<p>Seamless Urbanisation and Knotted City Growth: Delhi Metropolitan Region</p> <p>Manisha JAIN*, N Sridharan SRIDHARAN**, Hannes TAUBENBÖCK** * University Stuttgart, Institute of Regional Development Planning; Stuttgart, DE ** School of Planning and Architecture, Delhi, India; *** Deutsches Zentrum für Luft- und Raumfahrt, Deutsches Fernerkundungsdatenzentrum; Wessling, DE</p>	<p>Floatin Car Data (FCD) as Means for Traffic Flow Detection in Evolving Chinese Megacities</p> <p>Matthias KRACHT*, Steven BAYER*, Ingo KOLLOSCHE, Oliver SCHWEDES TU Berlin, Institut für Integrierte Verkehrsplanung, Berlin, DE</p>	<p>👉 Reflections and thoughts on Growth and Decline – does SDI really help?</p> <p>Robert LACH Institute of Spatial Management and Housing; Warsaw, Poland</p>
		<p>Treib der Stadtentwicklung</p> <p>Wiwandari HANDAYANI Universität Stuttgart, Institut für Raumordnung und Entwicklungsplanung; Stuttgart, DE</p>	<p>👉 Carbon Footprints aufgrund individuellen Verkehrsverhalten von unterschiedlichen Haushalten</p> <p>Sebastian PETSCH*, Subhrajit GUHATHAKURTA**, Hans HAGEN*** * TU Kaiserslautern, AG Computergrafik & HCI; Kaiserslautern, DE ** Arizona State University; USA *** TU Kaiserslautern; DE</p>	<p>👉 Contemporary Spatial and Hierarchic Characteristics of Urban System of Bosnia and Herzegovina</p> <p>Rahman NURKOVIC Natural Sciences Faculty, Department of Geography; Sarajevo, Bosnia and Herzegovina</p>
		<p>Land Demand and Land Potential of Central Java in 2030: a Forecast to Promote a More Balanced Development Policy</p>	<p>👉 Parks and an Analysis of their Role in Improving the Quality of Urban Life, Using Seeking-Escaping Model. Case Study: Tehran Urban Parks</p> <p>Samaneh KHOOSRAVANI* Zahra ABASZADEH*, Furugh KARIMZADEH**, Peyman ZADEHBAGHERI* * Shahid Beheshti University, Urban and Regional Planning; Tehran, Iran ** Tarbiyat Modares University, Urban and Regional Planning; Tehran, Iran</p>	
		<p>Directions of Transformations of Postindustrial Greenery in the Silesian Agglomeration</p> <p>Aneta DYRAGA Silesian University, Faculty of Architecture, Department of Urban and Spatial Planning; Gliwice, Poland</p>		<p>👉 reviewed papers are marked with 🍀 symbol</p>
		<p>15:45- Coffee Break</p>		
		<p>16:15</p>		



Thursday, 19 May 2011

CHANGE FOR STABILITY – Lifecycles of Cities and Regions					
16:15-18:00	Towards Sustainable Transport Systems Chair: Andrea Henkel	1 Stadtentwicklung und Immobilienwirtschaft Chair: Susanne Franz	2 Urban Transformations towards Resilience and Sustainability Chair: Daniela Patti	3 Living and Housing – European Gases Chair: Pietro Ellisei	4 LBS and Geoweb Applications Chair: Jan-Philipp Exner
16:15-18:00	Russian Urban Transport Strategy Today: three Approaches Mikhail PETROVICH ZAO Peterburgsky NIPPIgrad; St. Petersburg, Russia	Demografischer Wandel – ein Thema für die Immobilienbewertung? Martin TÖLLNER Architekt und Stadtplaner, Sachverständiger für Immobilienbewertung; Hannover, DE	Transformation of Derelict Areas into Mixed-Use Urban Neighbourhoods – Case Studies in the Polish Cities Michał STANGEL Silesian University of Technology, Gliwice, Poland	What is Next after VINEX? Stefan NETSCH*, Niels KROPMAN** * University of Applied Sciences Rotterdam School of Built Environment; Rotterdam, Netherlands ** SAB; Amsterdam, Netherlands	Mobile Augmented City – New Methods for Urban Analysis and Urban Design Processes by using Mobile Augmented Reality Services Benjamin ALLBACH*, Martin MEMMEL**, Peter ZEILE*, Bernd STREICHL*
					* TU Kaiserslautern, Lehrgebiet cpe; Kaiserslautern, DE ** Deutsches Forschungszentrum für Künstliche Intelligenz (DFKI) GmbH, Knowledge Management; Kaiserslautern, Deutschland
	Influence of Land Use Policies on Urban Mobility and Infrastructure Management Costs Jose FERNANDES*, Simone LOPEZ*, Antonio SILVA*, Paul PFAFFENBICHLER** * University of Sao Paulo, Department of Transportation; Sao Paulo, Brazil ** Energy Agency, Department of Transportation; Sao Carlos, Brazil	Ausweitung der Kommerzzone. Entwicklung in Szenequartieren als Ergebnis immobilienwirtschaftlicher (Einzel-)Rationalität Ricarda PÄTZOLD TU Berlin, Institut für Stadt- und Regionalplanung; Berlin, DE	The Future of Strategic Brownfield Regeneration in England – between Urban Intensification and Green Infrastructure Provision Andreas SCHULZE BAING University of Manchester, Centre for Urban Policy Studies; Manchester, UK	Regional Disparities in Availability and Affordability of Housing Milada KADLECOVÁ, Michal HADLAČ Institut for regional Information; Brno, Czech Republic	GEARViewer: A State of the Art Real-Time Geospatial Visualization Framework Stephan MANTLER*, Gerd HESINA*, Michael GREINER**, Werner PURGATHOFER** * VRVis, Realtime Rendering; Vienna, AT ** GEOCONSULT Wien; Vienna, AT
					* Mar.Vis.; Kaiserslautern, DE
	NICE: Boom to Bust – Hintergründe und Konsequenzen der Wohnungsmarktkrise in Spanien Thorsten HEITKAMP	New Life of Modern Cities: Transformation and Renewal of Public Spaces in New Belgrade Mira MILAKOVIC, Milena VUKMIROVIC University of Belgrade, Faculty of Architecture, Department of Urban Planning; Belgrade, Serbia	Maintenance and Management of Communist-Era Privatized Flats and new Condominiums in Tirana: Legal Requirements and Actual Practices Dorina POJANI Epoka University, Department of Architecture; Tirana, Albania	Redeveloping the City Structure – the Case of Lodz 'New City Center' Małgorzata HANZŁ Technical University of Łódź, Institute of Architecture and Town Planning; Łódź, Poland	On-site Participation – Mobile Information Systems in Planning Processes Gregor LANDWEHR, Sebastian ALTHOFF, Norman KRATZ * Mar.Vis.; Kaiserslautern, DE
	Impact Assessment of Sustainable Public Transportation System on Quality of Life in Tehran Mostafa MOMENI, Pooya JOODI GOL LAR, Hamid AZIZI Shahid Beheshti University, Faculty of Architecture and Urban Planning ; Tehran, Iran	GRETAS® – dynamische Simulation immobilienökonomischer Raum- und Standortpotenziale Axel HAEUSLER AXH Office for Urban Planning & Development; Köln, DE	Renewable Energy Production – A Path to a New Quality of Democracy? Axel LAISTNER axel laistner consulting UG(hb); Lauchheim, Germany	Digital Graffiti – a Comprehensive Location-based Travel Information System Wolfgang NARZT*, Wolfgang WASSERBURGER** * Johannes-Keppler-Universität, Linz, AT ** CEIT Central European Institute of Technology, CEIT ALANOVA, Schwechat, AT	Land Use and Traffic Pattern along Lagos – Badagry Corridor, Lagos, Nigeria Wale ALADE*, Leke ODUWAYE*, Salami ADEKUNLE** * University of Lagos, Urban and Regional Planning; Lagos, Nigeria ** Lagos State Ministry of Physical Planning and Urban Development; Lagos, Nigeria
	Re-Thinking Urbanism for Kuala Lumpur Conurbation: Live Work and Travel Easily Syra MAIDIN*, Jamilah MOHAMAD** * University of Malaya, Urban Studies and Planning Programme; Kuala Lumpur, Malaysia ** University of Malaya, Department of Geography; Kuala Lumpur, Malaysia	Innerstädtische Brachflächen als Chance sowie Herausforderung der Stadtentwicklung – das Innenstadtentwicklungsprojekt Sextius Mirabeau in Aix-en-Provence Heidi MEGERLE Hochschule für Forstwirtschaft, Professor für Angewandte Geographie und Planung; Rottenburg am Neckar, DE	Evening Event at SANAA Building, Welcome words by State Secretary Dr. Günther HORZETZKY on behalf of the Ministry for Economic Affairs, Energy, Building, Housing and Transport of North Rhine-Westphalia; Dusseldorf, Germany Hans-Jürgen BEST, Director for Urban Planning; City of Essen, North Rhine-Westphalia; Germany		
19:00-open end					



Friday, 20 May 2011

CHANGE FOR STABILITY – Lifecycles of Cities and Regions			
09:00-10:45	1 Lifecycles of Cities and Urban Areas Chair: Daniela Patti	2 Räumliche Entwicklung außerhalb der "Hot Spots" & Boom-Regionen Chair: Susanne Franz	3 Innovative Planning Methods and Tools Chair: Peter Zellé
	<p>👉 Long Waves, Lifecycles, and Urban Development: Context for Short-Term Purposeful Action Alan ALVAREZ*, Justin ROOT*, David PROSPERI*, Zeynep ENLİL** * Florida Atlantic University; Fort Lauderdale, USA ** Yıldız Technical University, Istanbul, Turkey</p> <p>👉 From Urban Foresight to Urban Futures? Potentials and Limitations of Forward Looking Activities for Integrated Urban Development Christian HARTMANN Joanneum Research, Zentrum für Wirtschafts- und Innovationsforschung; Graz, AT</p>	<p>Neue Standorte, alte Risiken – alte Standorte, neue Risiken Arne SIEGLER TU Kaiserslautern, Lehrstuhl Stadtplanung; Kaiserslautern, DE</p> <p>👉 Mittendrin und doch am Rand – Raumentwicklung in NRW einmal von der Peripherie her gedacht! Nils LEBER Universität Bonn, Professor für Städtebau und Bodenordnung; Bonn, DE</p> <p>👉 Mobilisierung des endogenen Potenzials in peripheren ländlichen Regionen Wibke STRAHL, Theresia OEDL-WIESER, Thomas DAX Bundesanstalt für Bergbaufragen; Vienna, AT</p> <p>👉 Intertwining Big Events and Urban Strategy within Life Cycle Analysis: the Case of Solo, Central Java, Indonesia Julia M. LOURENÇO, Zulaikha B. ASTUTI University of Minho, Department of Civil Engineering; Guimarães, Portugal</p> <p>👉 Circular Flow Land Use Management Uwe FERBER*, Anna STARZEWSKA-SIKORSKA**, Jirina BERGATT JACKSON*** * Projektgruppe Stadt+Entwicklung; Leipzig, DE ** Institute for Ecology of Industrial Areas, Ecological Policy; Katowice, Poland *** Institute for Sustainable Development of Settlements; Praha, Czech Republic</p>	<p>👉 Designing with the Sun – Integrative Workflow and Solar Simulation with AutoCAD, 3D Studio MAX and EcoTect Wolfgang HÖHL Munich University of Applied Sciences – Hochschule München; Munich, DE</p> <p>👉 City Computer Architecture. Corporate Information Systems Approach Vasily POPOVICH*, Manfred SCHRENK**, Oxana SMIRNOVA*, Nataly ZHUKOVA*, Yaroslav SHALAMAIKO* * SPILLRAS, OOGIS lab.; St. Petersburg, Russia ** CEIT Central European Institute of Technology, CEIT ALANOVA, Schwechat, AT</p> <p>👉 GIS-based 3D Urban Modelling Framework Integrating Constraints and Benefits of Ecosystems for Participatory Optimization of Urban Green Space Patterns Noemi NEUENSCHWANDER, Ulrike WISSEN HAYEK, Adrienne GRÉT-REGAMEY ETH Zurich, IRL Institute for Spatial and Landscape Planning, PLUS Planning of Landscape and Urban Systems; Zürich, CH</p> <p>👉 RADAR – Potentials for Supporting Urban Development with a Social Geocontrol Hub Martin MEMMEL*, Florian GROSS** * DFKI GmbH, Knowledge Management; Kaiserslautern, DE ** Mobile Einsatztruppe Stadt und Stil (MESS GbR); Kaiserslautern, DE</p> <p>👉 Demographischer Wandel in Leinefelde: Management eines Schrumpfungs-prozesses Gerd REINHARDT*, Hermann STRÄB** * Stadt Leinefelde-Worbis; Leinefelde-Worbis, DE ** GRAS * Gruppe Architektur & Stadtplanung; Dresden, DE</p>
10:45-11:15	Coffee Break	The Qualitative Development of Land Use Structures Despina DIMELLI Technical University of Crete, Architecture; Ilioupoli, Greece	<p>👉 The Qualitative Development of Land Use Structures Despina DIMELLI Technical University of Crete, Architecture; Ilioupoli, Greece</p> <p>👉 Territorial Cohesion for Managing Change in Cultural Landscapes Liezl VANAUTGAERDEN*, Jan ZAMAN** * Flemish Department of Spatial Planning, Housing Policy and Heritage; Linden, **Spatial Planner; Brussels, Belgium</p> <p>👉 Climate Change Mitigation and the Role of Industrial Parks Tom MAES, Greet VAN EETVELDE, Karel MOENTJENS Ghent University, Mobility and Spatial Planning – Environmental and Spatial Management; Gent, Belgium</p> <p>👉 Study on Evaluation of Thermal Environment Following Alleviation of Limit on Number of Floors of Apartment Complex Ji Won RYU*, Eung-Ho JUNG**, Jae-Gyu CHA**, Dae-Wuk KIM**, Akira HOYANO* * Tokyo Institute of Technology, Department of Environmental Science and Technology; Tokyo, Japan ** Keimyung University, Environment Planning; Daegu, Korea</p> <p>👉 About the Impact of Information Technologies on the Atmosphere in the Workplace Oliver LEFEBVRE France Telecom Orange, Division Finances; Paris, France</p> <p>👉 Emergency Management Pilot in BRISIDE Maria CABELLO, Jose ACHAERANDIO Tracasa; Sarriguren, Navarra, Spain</p>



Friday, 20 May 2011

11:15 - Managing Urban Dynamics 13:00	1 Chair: Judith Ryser	Frische Lösungen für städtische Entwicklungsprozesse Chair: Frank Ote	2	Planning for Handicapped People Chair: Linda Dörzgäf	3	Redeveloping Urban Space Chair: Julia Neuschmid	4	Smart Cities Workshop Chair: Barbara Saringer-Bory	5
👉 Management of Delhi's Urban Growth and Shrinkage Bikram Kumar DUTTA, Sanhita BANDYOPADHYAY Engineering & Consultancy Service, Planning; Greater Noida, NCR Delhi, India	👉 Den städtischen Wandel begleiten – Stadtentwicklungsförderung als europäische sowie regionale Aufgabe und Verantwortung Marc ALTENBURG, Jens GERHARDT Brandenburgische Technische Universität (BTU) Cottbus, Lehrstuhl Stadtmanagement; Cottbus, DE	👉 Emotional Barrier GIS – A new Approach to Integrate Barrier-Free Planning in Urban Planning Processes Benjamin Sebastian BERGNER*, Peter ZEILE*, Georgios PAPASTEFANOU**, Werner RECH***, Bernd STREICH* * TU Kaiserslautern, Lehrgebiet cpe; Kaiserslautern, DE ** GESIS Leibniz Institute for the Social Sciences; Mannheim, DE *** Stadt Kaiserslautern, Referat Stadtentwicklung, Arbeitskreis „Barrierefreie Stadt Kaiserslautern“; Kaiserslautern, DE	👉 Recycling an Urban Space: Hasan Abad Square in Tehran Nasim IRANMANESH* Kouros ETAAATI** * Islamic Azad University West Tehran Branch, Architecture; Tehran, Iran ** Jarf Nanat Sayna, Civil; Tehran, Iran	👉 Smart Cities Workshop: Inputs for a Roadmap towards Smart Cities in Austria Edith HASLINGER*, Barbara SARINGER-BORY**, Olivier POL **, Ursula MOLLAY**, Wolfgang NEUGEBAUER***, Jessen PAGE***, Branislav GLÄR*** * Austrian Institute of Technology, Energy Department – Sustainable Building Technologies; Vienna, AT ** ÖIR – Austrian Institute for Regional Studies and Spatial Planning; Vienna, AT *** Austrian Institute of Technology (AIT), Energy Department; Vienna, AT					
👉 Dynamic Expansion and Urbanization of Greater Cairo Metropolis, Egypt Ahmed HASSAN Münster University, Landscape Ecology; Münster, DE	👉 Kommunikationsstrategien für erfolgreiche Stadtviertelentwicklung am Praxisbeispiel „Andräviertel“. Gabriela PAUMGARTNER paumgartner I ecclii Kommunikationsberatung; Salzburg, AT	👉 Web-based City Maps for Blind and Visually Impaired Wolfgang WASSERBURGER, Julia NEUSCHMID, Manfred SCHRENK CEITE European Institute of Technology, CEIT ALANOVA, Schwechat, AT	👉 A Cut Perspective on New Technologies for Improved Municipal Asset Management in Urban Ethiopia Andreas WESENER ILS, Office Aachen; Aachen, DE	👉 Improving Quality of Place: Strategic Approaches in Germany and the UK Andreas WESENER ILS, Office Aachen; Aachen, DE					
👉 Urban Management based on Citizen Participation to Enhance Quality of Life in Tehran Mostafa MOMENI, Hamid AZIZI, Mahmoud TAGHINIA Shahid Beheshti University, Faculty of Architecture and Urban Planning; Tehran, Iran	👉 Lebenszyklen und Transformationsprozesse eines städtischen Boulevards – die Rue de la République in Marseille Heidi MEGERLE Hochschule für Forstwirtschaft, Professor für Angewandte Geographie und Planung; Rottenburg am Neckar, DE	👉 Partnerschaft zwischen Planung und Dialog – Begleitung von Veränderungsprozessen Yvonne KNAPSTEIN team ewen – Konflikt- und Prozessmanagement; Darmstadt, DE	👉 The Quality of Public Facilities for the Handicapped. Sari, Iran, 2011 Mehdi GOLESTANI-BAKHT*, Khadijeh RABIEI**, Mehran MOJTAHEDZADEH*** * General Inspection Organization, Mazandaran, Expert of cultural affairs; Sari, Iran ** Mazandaran University of Medical Science; Sari, Iran *** HBK Strädelschule; Frankfurt, DE	👉 Integration of Inhabitants in Contemporary City Małgorzata ZAJAC University of Life Sciences, Wrocław, Poland					
👉 Rethinking the Urban Transformation Projects Again: the Distribution of Public Burden and Benefits. The Case of Kartal District, Istanbul Adem Erdem ERBAS, Tansel ERBIL Yilmaz Sinan Fine Arts University, Department of City and Regional Planning; Istanbul, Turkey	👉 Polilik, Wirtschaft, Zivilgesellschaft, Kultur, Sport – gemeinsam Zukunft gestalten am Beispiel Schwechat Manfred MERTEN Merten Media-Network GmbH & City Manager, Schwechat, AT	👉 Quality of Life Indices Assessment for Disabled and Elderly People: Case Study of Tehran Hamid AZIZI, Mostafa MOMENI, Mahmoud TAGHINIA Shahid Beheshti University, Faculty of Architecture and Urban Planning; Tehran, Iran							
			13:00-14:00	Lunch Break					



14:00-15:45	Urban Space and Society Chair: Daniela Patti	1 City Discovered or Invented? A Dialogue between Geographer and Architect Izabela MIRONOWICZ*, David PROSPERI** * Wroclaw University of Technology, Faculty of Architecture; Wroclaw, Poland ** Florida Atlantic University, School of Urban and Regional Planning; Fort Lauderdale, USA	2 Planungswerzeuge – Stand und Perspektiven Chair: Peter Zellé Robert KULAWIK Uni Bonn, AG GIS; Bonn, DE	3 Flex-iGeo-Web – ein dienstbasierter Softwarebaukasten als Planungswerzeug für die Stadtentwicklung M. BERGER*, K. FALLAST**, M. FELLENDORF**, G. KOVACIC***, G. MAIER-BRUGGER****, S. NOVAK**, M. PLATZER**, M. SCHRENK****, H. SCHROM-FEIERTAG****, W. WASSERBURGER***** * Verkehrplus; Graz, AT; ** Institut für Straßen- u. Verkehrsplanung; Graz, AT **** Österreichisches Institut für Raum-planung; Vienna, AT; *** AIT Austrian Institute of Technology; Vienna, AT ***** CEIT Central European Institute of Technology; Schwechat, AT
		<p>Lovable City: Maintaining our Beliefs while Living in a Changing World and Building towards a Better Society Hao ZHANG*, Bochun YU*, Ebon Armon PINSON** * Huazhong University of Science & Technology, School of Architecture and Urban Planning; Wuhan, China ** Wayne State University; Detroit, Michigan, USA</p> <p>A Continuous Process with a Strong Vision and Frame can Deal with Transformation and Changes Guy VLOEBERGH OMGEVING cvba; Antwerp-Berchem, Belgium</p> <p>Effects of Information Technology Facilities on the Urban Environment: A Comparative Study of Lagos Island and Victoria Island, Lagos Oluwafemi OLAJIDE*, Hakeem BISHI** * University of Lagos, Akoka, Urban and Regional Planning; Lagos, Nigeria ** New York Institute of Technology, Environmental Technology Program; N.Y., USA</p>	<p>Planungswerzeuge in Raum- und Verkehrsplanung – quo vadis? M. BERGER*, K. FALLAST**, M. FELLENDORF**, G. KOVACIC***, G. MAIER-BRUGGER****, S. NOVAK**, M. PLATZER**, M. SCHRENK****, H. SCHROM-FEIERTAG****, W. WASSERBURGER***** * Verkehrplus; Graz, AT; ** Institut für Straßen- u. Verkehrsplanung; Graz, AT **** Österreichisches Institut für Raum-planung; Vienna, AT; *** AIT Austrian Institute of Technology; Vienna, AT ***** CEIT Central European Institute of Technology; Schwechat, AT</p> <p>Ein standardisiertes Evaluierungsmodell für innerstädtische Verkehrsprojekte als Basis für eine Neuordnung der österreichischen Finanzierungslandschaft Roman KLEMENTSCHITZ Universität für Bodenkultur, Institut für Verkehrswesen; Vienna, AT</p> <p>Einsatzmöglichkeiten und Grenzen GPS-gestützter Parkraumbewirtschaftung Johanna LEBITSCH, Reinhard HÖSSINGER, Elisabeth RASER Universität für Bodenkultur Wien, Institut für Verkehrswesen; Vienna, AT</p>	
15:50-16:30		<p>REAL CORP 2011 CLOSING SESSION</p> <p>Résumé, Discussion, Outlook on REAL CORP 2012 from 14 to 16 May 2012 on “RE-MIXING THE CITY” at Multiversum Schwechat (near Vienna), Austria, www.multiversum-schwechat.at</p>		

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CHANGE FOR STABILITY

LIFECYCLES OF CITIES AND REGIONS

The Role and Possibilities of Foresighted Planning in Transformation Processes

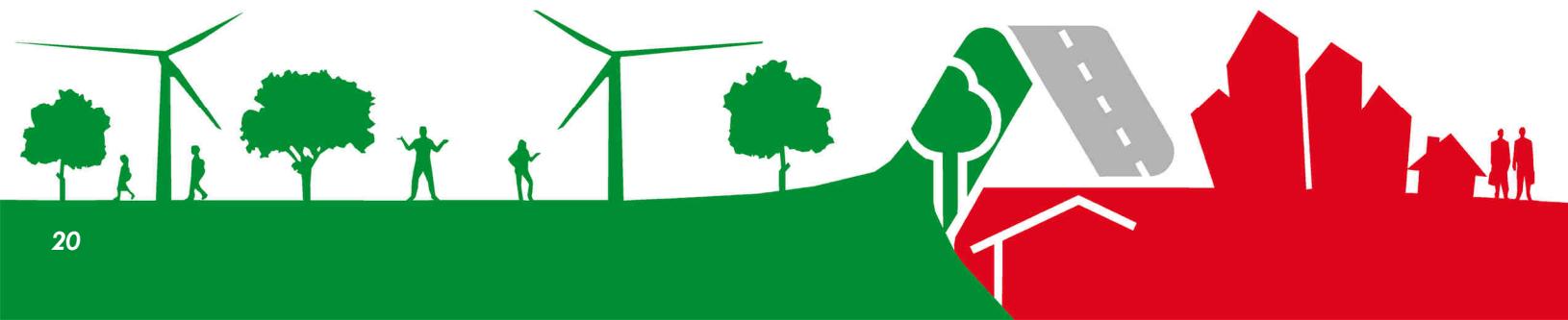
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CHANGE FOR STABILITY

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The Role and Possibilities of Foresighted Planning in Transformation Processes

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CHANGE FOR STABILITY

LIFECYCLES OF CITIES AND REGIONS

The Role and Possibilities of Foresighted Planning in Transformation Processes

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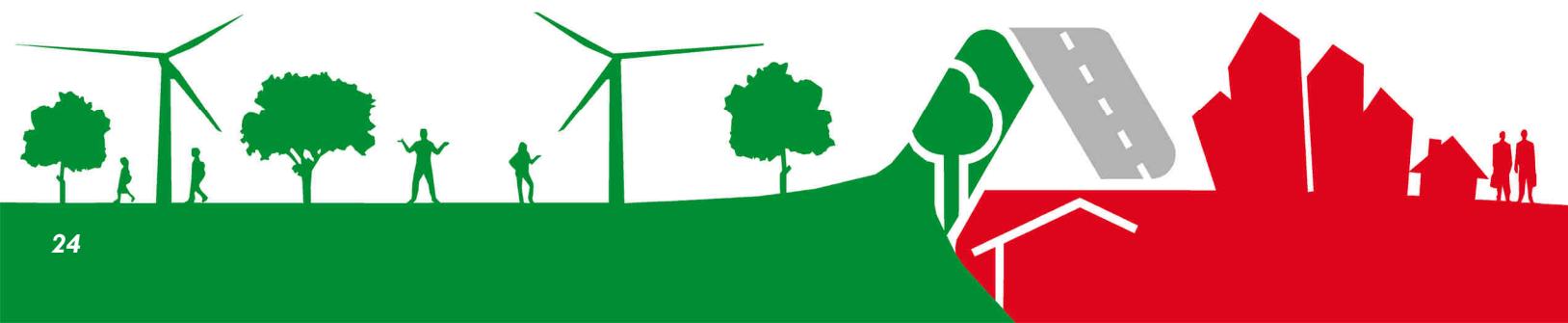
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CHANGE FOR STABILITY

LIFECYCLES OF CITIES AND REGIONS

The Role and Possibilities of Foresighted Planning in Transformation Processes

DOPPELMAYR/GARVENTA GROUP – DOPPELMAYR CABLE CAR

**Doppelmayr Seilbahnen GmbH –
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About Doppelmayr: The Doppelmayr/Garaventa Group is the world quality and technology leader in cable car engineering. The group has production facilities and sales and service locations in over 33 countries of the world and to date has built more than 14,100 installations in over 83 countries.

Ropeways and Cable Cars in Urban Areas: According to UN HABITAT, the percentage of people living in cities will increase from 50 percent to 70 percent in less than a generation. Much of this migration will occur within the developing world and result in some two billion people living in sub-standard housing and informal settlements. As a consequence of this, un-planned cities and dysfunctional metropolitan regions are expected to become the dominant urban form within Africa, Asia and Latin America. Residents of these areas will experience decreased economic prospects, health and safety and severely restricted mobility due to a lack of transit options.

Increasingly, cities are using aerial ropeway technology to solve this problem of mobility and connectivity. Cities such as Algiers, Caracas and Medellín have leveraged the technology's small footprint to overcome physical obstacles like rivers, steep inclines, traffic and residential settlements. Financial obstacles have also been overcome as ropeway technology is among the cheapest forms of mass transit currently in existence. Furthermore, ropeways emit zero emissions and consume less energy per rider than other standard transit technologies.

Ropeways have an immediate positive impact on people's lives. Cheap, clean and quick to install, cities are finding that ropeways are an effective means to bring communities together while improving mobility and standards of living.

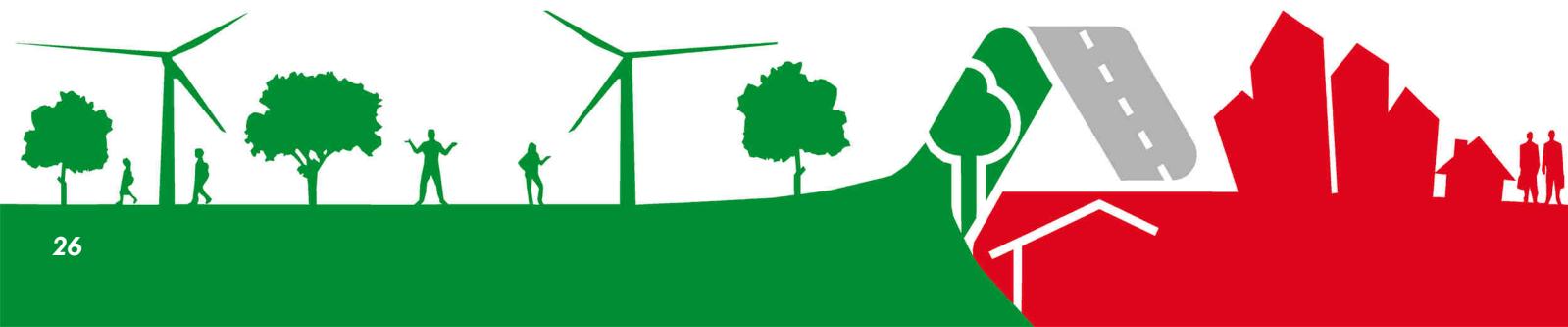
In short, ropeways are a practical alternative to standard transit technologies and an innovative approach to enhancing the appeal of public transit. Cable boasts:

- High speeds (up to 8.5 m/s)
 - Large capacities (8,000 pphpd)
 - Small physical footprints
 - Strong psychological appeal
 - Impressive operational efficiency
 - Easy integration into the urban environment
 - Short, reliable wait times
 - Low investment costs
 - Excellent safety record



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Taha, Dina; Ass. Prof. Dr.	Alexandria University	Alexandria, EG
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CHANGE FOR STABILITY

LIFECYCLES OF CITIES AND REGIONS

The Role and Possibilities of Foresighted Planning in Transformation Processes

CEIT ALANOVA – APPLIED RESEARCH INSTITUTE IN SCHWECHAT, AUSTRIA



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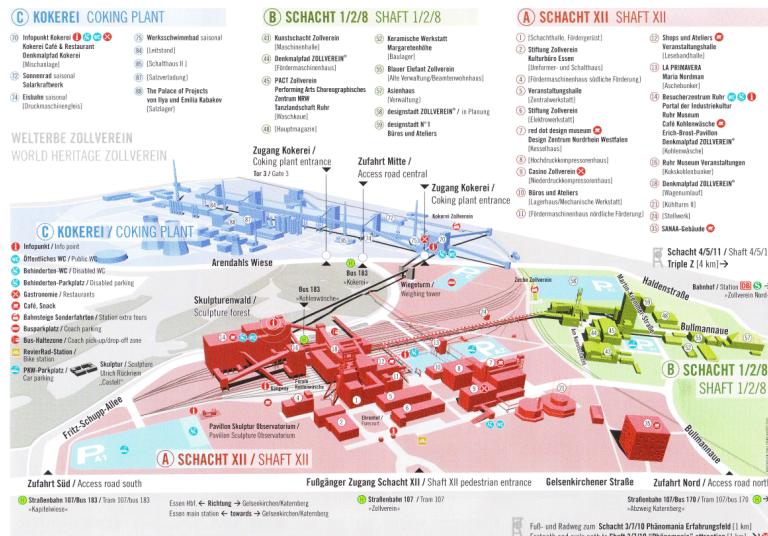
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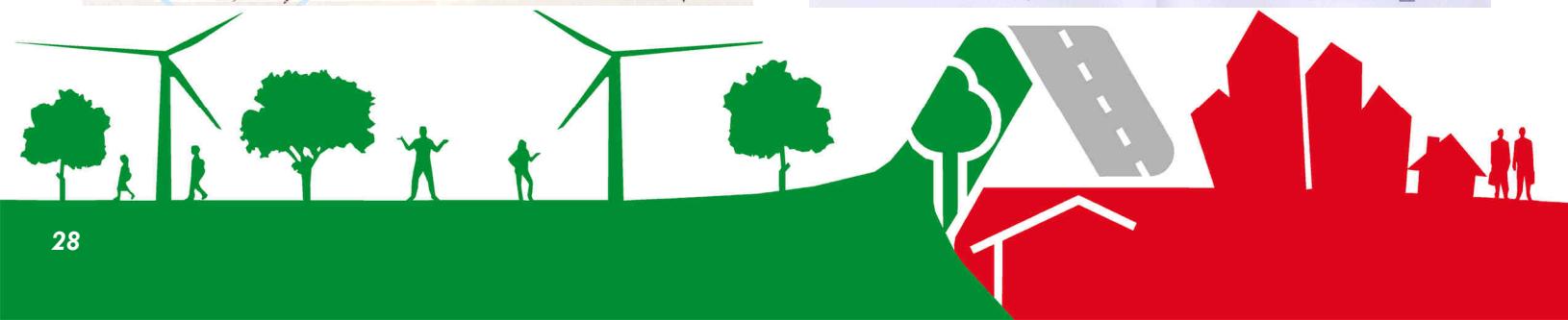
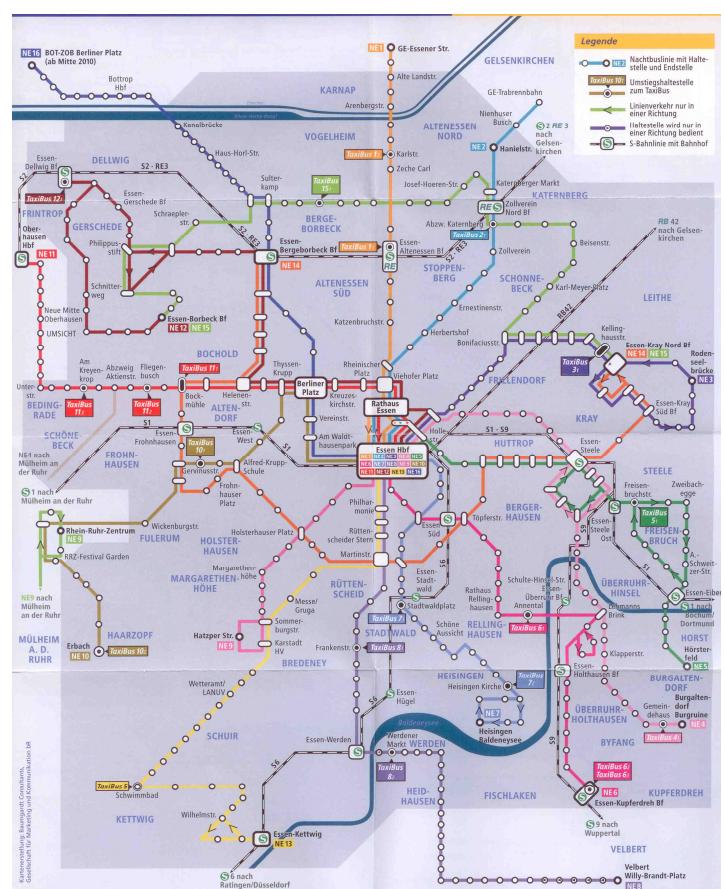
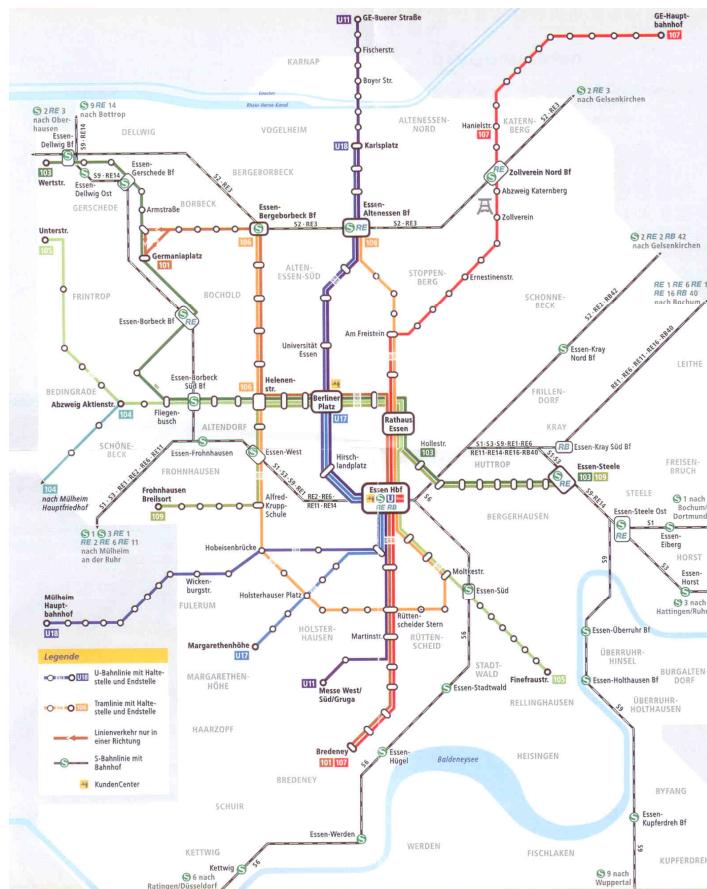
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PUBLIC TRANSPORT IN ESSEN

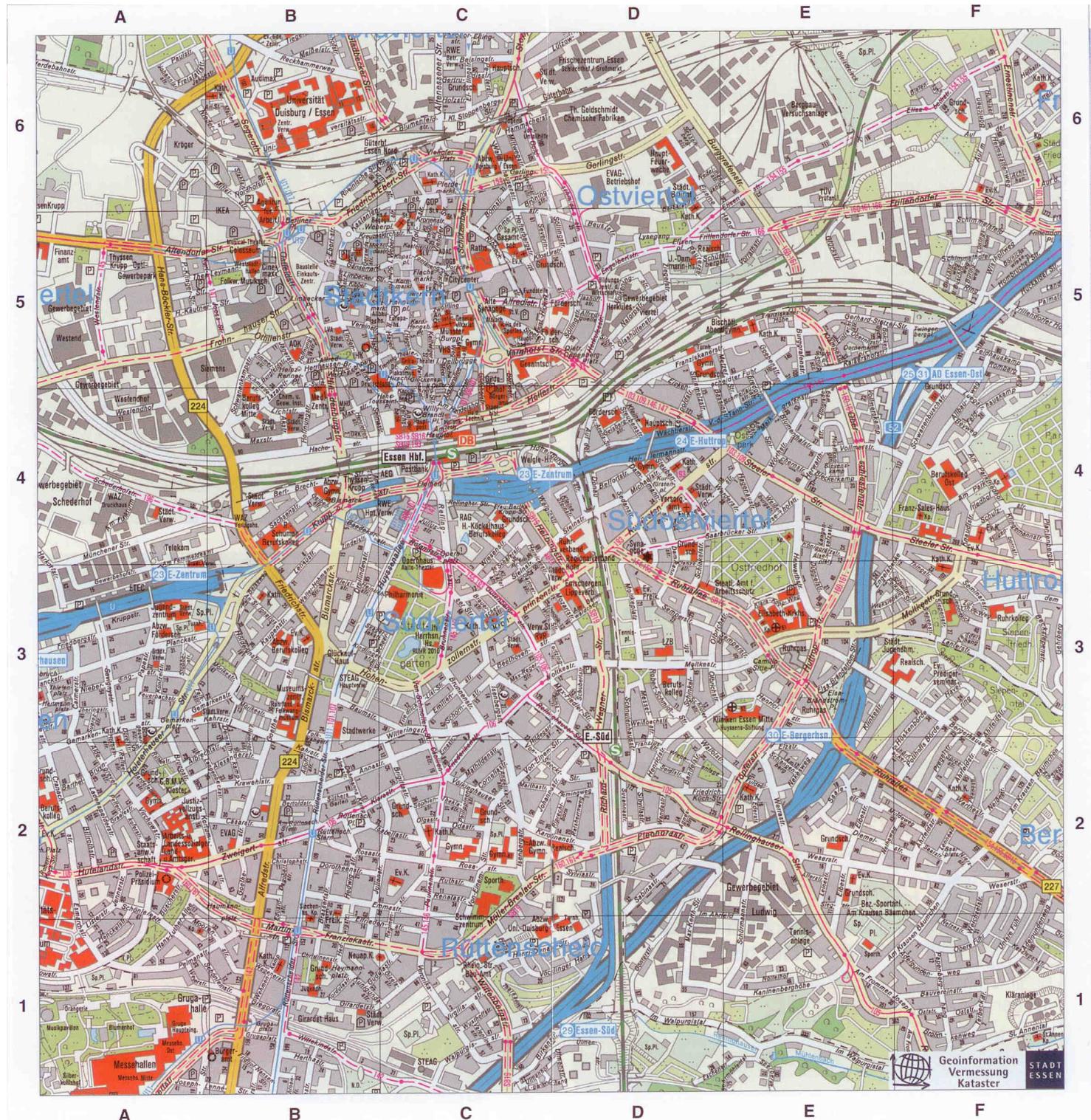


CHANGE FOR STABILITY

LIFECYCLES OF CITIES AND REGIONS

The Role and Possibilities of Foresighted Planning in Transformation Processes

ESSEN CITY MAP



RE-MIXING THE CITY

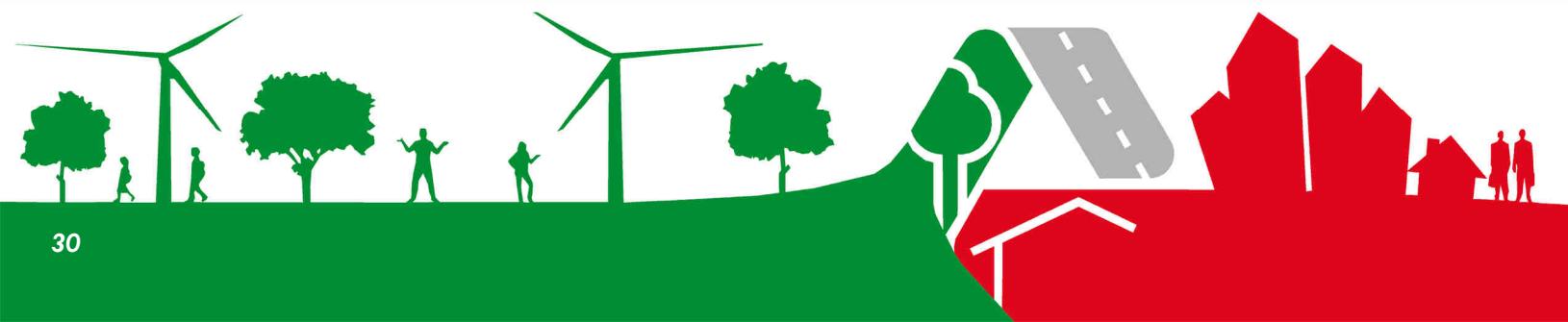
WIEDERDURCHMISCHUNG DER STADT

Urban Planning and Regional Development Trends and Perspectives, Urban Technologies, Transport and Environmental Solutions, Ambient Assisted Living in Cities

Date: Monday 14 May – Wednesday 16 May 2012

Location: MULTIVERSUM SCHWECHAT, Austria

Address: Möhringgasse 2-4, 2320 Schwechat (near Vienna), Austria,
www.multiversum-schwechat.at



CHANGE FOR STABILITY

LIFECYCLES OF CITIES AND REGIONS

The Role and Possibilities of Foresighted Planning in Transformation Processes

47TH ISOCARP CONGRESS: "LIVEABLE CITIES: URBANISING WORLD"

ISOCARP Awards for Excellence

The ISOCARP Awards for Excellence are conferred in recognition of exceptionally innovative urban and regional initiatives that best express the theme of the 47th ISOCARP World Congress on “Liveable Cities: Urbanising World. Meeting the challenge” in Wuhan, China.

ISOCARP intends to stimulate and promote innovative spatial projects (urban and/or regional), successfully elaborated and/or implemented by local, regional, national authorities or other institutions and thus improving the natural and built environment, quality of life and culture.

47th ISOCARP CONGRESS WUHAN - CHINA 24 - 28 October 2011

This year special emphasis will be given to projects recognising the importance and significance of spatial projects in the area of liveable cities in different aspects all over the world. These awards were created as the highest honour that the International Society of City and Regional Planners can award to a city, region or an institution and ISOCARP has the pleasure to invite you to submit entries for the 2011 ISOCARP Awards for Excellence. **The deadline for submissions is 15 July 2011.**

ISOCARP CONGRESS ANNOUNCEMENT

47TH ISOCARP CONGRESS: “LIVEABLE CITIES: URBANISING WORLD”.

Meeting the challenge.

Wuhan, PR China, 24-28 October 2011

The theme “Liveable Cities – Urbanising World, Meeting the Challenge” reflects the central problem of the acknowledged **world wide phenomena** of the exponential and inexorable inward flow of people to cities and the consequent **rapid expansion of urban development**. Wuhan, with its ever increasing population base, has acknowledged the importance of this congress theme especially with regard to learning how their particular range of urban, transportation congestion and spatial problems are being dealt with **sustainably across the globe**.

The congress will support four workshops exploring the major theme in terms of low carbon environments, sustainable networks, all transportation pathways including waterways, recreational provisions, heritage and the Green Environment. There will be, in addition to the four topical workshops, selected half-day workshops such as one being offered by the **Centre for Liveable Cities, Singapore**. Details of this workshop as well as others will also be announced at a later date when all details have been finalised.

International Society of City and Regional Planners (ISOCARP)

The society's network brings together individual and institutional **members from more than 70 countries worldwide**. As a non-government organisation, ISOCARP is recognised by the UN, UNCHS and the Council of Europe. The society also has formal consultative status with UNESCO. Although ISOCARP members work in many different fields they share a common interest in the spatial and environmental dimensions of urbanisation. They **advise key decision-makers**, proposing and supporting projects for intervention in a spatial context through general or specific actions.



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Ministerium für Wirtschaft, Energie, Bauen, Wohnen und Verkehr des Landes Nordrhein-Westfalen



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