**URBAN FUTURES. Multiple visions, paths and constructions?**

14th N-AERUS / GISDECO Conference

Enschede 12th to 14th September 2013

**Programme**

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**Venue:** Hengelosestraat 99 - 7514 AE Enschede - The Netherlands - T: +31 (0)53 487 44 44

The host conference team: Javier Martinez, Richard Sliuzas, Rohan Bennett, Saskia Tempelman (Local Organising Secretariat ITC)

Local host conference support group: Divyani Kohli, Habtom Tsega, Jesper Katomero, Jose Andres Morales, Kapongola Nganyanyuka, Razieh Zandieh, Sara Mehryar, Sejal Patel

The N-AERUS Coordination committee: Eva Alvarez de Andres, Viviana D’auria, Javier Martinez, Luisa Moretto

The GISDECO Coordination group: Richard Sliuzas, Brent Hall, Neil Stuart, Suan Pheng Kam, Reinaldo Perez Perez Machado

Financial support: Urban and Regional Planning and Geo-Information Management (PGM), Faculty of Geo-Information Science and Earth Observation (ITC) of the University of Twente,

esri (Environmental Systems Research Institute, Inc.)
Welcome 10:30 – 11:00 (Auditorium)

- **Yola Georgiadou**: Professor in geo-information for governance at the Faculty of Geo-Information Science and Earth Observation (ITC) of the University of Twente.

- **Javier Martinez** for the organizing committee N-AERUS

- **Richard Sliuzas** for the organizing committee GISDECO

11:00 – 12:00 (Auditorium)

**Plenary Session I**

**Maria J. Coetzee**

The role of evidence based modelling and planning support systems in support of urban and regional policy development in South Africa

**Moderator: Richard Sliuzas**

The role of evidence based modelling and planning support systems in support of urban and regional policy development in South Africa

**Maria J. Coetzee**

Cities, and especially metropolitan regions, have featured prominently in South Africa’s troubled political past and are increasingly ‘home’ to the many millions who have chosen, and are still planning to call it such in years to come. South Africa’s recently adopted National Development Plan outlines a trajectory in which the 59.3% of South Africans who lived in urban areas in 2005 will swell to 71.3% in 2030.

In 2009, South Africa’s nine largest cities housed 39.5% of South Africa’s population, generated 62.4% of the GDP on only 2.4% of the land. Gauteng - South Africa’s largest urban conurbation - saw in increase of 2.9 million to 12.3 million people in 2011, which translated into a dramatic increase in urban poverty as well as housing and service backlogs. Moreover the poor alignment of housing, transport, land-use, economic and environmental policies has complicated efforts to address inherited spatial inequalities and to promote more integrated and vibrant settlements.

There is as yet, there is little consolidated knowledge or understanding of how South Africa functions as a space, and how spatial and temporal dynamics are shaping our spaces over time. In recognition of these challenges, the CSIR in concert with other role-players have developed a range of modelling and planning support systems to inform urban and regional policy and planning processes. This paper will seek to explore the opportunities, strength and weaknesses of these approaches in an environment undergoing rapid and poorly understood transitions.

**Maria Coetzee** is an urban geographer with more than 25 years of experience in spatial planning, inter-governmental planning, R&D, policy analysis and development, project management, training and facilitation. In her capacity as leader of the Regional and Urban Planning Research Group in the Built Environment Unit of the CSIR, she leads a range of inter-disciplinary projects with national impact in the fields of spatial analysis, governance, municipal planning, intergovernmental planning and sustainable development. She has received various awards for her contribution to integrated development planning in South Africa and has contributed to several national policy processes. She regularly serves on several national committees (such as the National IDP Steering Committee, The National IDP Task Team, The National IGR Reference Group, The LG SETA Reference Group on Qualification Standards for IDP, the Enerkey Long Term Perspective Working Group, The Gauteng Planning Forum, The Spatial Reference Group for the NDP, the Rural Innovation Assessment Reference Group and Project Steering Committee of the National Municipal Demarcation Board.) Maria facilitates strategic planning sessions for various donor agencies, professional institutions, national departments, provinces, metros and districts and leads public sector training and capacity building initiatives. She has a keen interest in urban planning and growth management, sustainability science and planning support systems. She currently leads the Integrated Development Planning and Modelling (IPDM) Project and StepSA (Spatial and Temporal Evidence for Planning in South Africa) Initiative for the National Department of Science and Technology.
THURSDAY 13:30 - 15:00

A1 ( room 1-068 )
Chair: Karin Pfeffer

Will urban agriculture survive the growth of African cities? A case-study in Kampala (Uganda)
Karolien Vermeiren

The role of spatial information in planning future urban green space: a study of Kuala Lumpur
Neil Stuart

Modelling urbanization and flooding in Kampala, Uganda
Richard Sliuzas

B1 ( room 1-072 )
Chair: Harry Smith

Facing the socio-economic crises after 2011 revolution: The Egyptian informal sector between housing policies, state partners and reality
Doaa A S Abouelmagd, Yasser H Sakr

Stop the evictions! The diffusion of networked social movements and the emergence of a new hybrid public space
Eva Álvarez de Andrés, Patrik Zapata, María José Zapata Campos

Impoverishment Assessment of Slum Dwellers after In Situ and Off-Site Relocations: A Case Of Indore
Sejal Patel, Ritika Mandhyan

C1 ( room 3-008 )
Chair: Johannes Flacke

Bivariate Moran’s I and LISA to explore the Accidents Risky Locations in Urban Areas
Ali Akbar Matkan, Matin Shahri, Mojgan Mirzaie

Exploring the utility of a spatially-constrained accessibility measure in integrating urban cycling and land-use in Pune, India
Walter Alando, Mark Brussel

New (Dis)connection: A Local Interpretation of Transformed Road Infrastructure
Noel Japheth Omollo Okello
THURSDAY 15:30 - 17:00

A2 ( room 1-068 )

Chair: Richard Sliuzas

Analysing Sub-Standard Areas Using High Resolution Remote (Vhr) Sensing Imagery
Monika Kuffer, Karin Pfeffer, Isa Baud, Richard Sliuzas

Modelling the Impacts of Urban Upgrading onto Population Dynamics in Informal Settlements
Nina Schwarz, Johannes Flacke

Urban Context Modelling for Human Sensor Web
Habtom Tsega, Rob Lemmens, Juma Lungo, Menno Kraak

B2 ( room 1-072 ) ends at 17:30

Chair: Luisa Moretto

Water urbanism in Bogotá. Exploring the Interplay Between Settlement Patterns and Water Management
Claudia Lucia Rojas

Accessing Water Services in Dar Es Salaam: Stories From Formal and Informal Actors
Kapongola Nganyanyuka, Yola Georgiadou, Juma Lungo, Javier Martinez, Jeroen Verplanke, Anna Wesselink

How Corruption Stifles Problem Framing and Responsive Governance. The Case of Water and Health Services in Tanzania
Jesper Katomero, Rob Hoppe, B. Benson, Anna Wesselink and Kapongola Nganyanyuka

Knowledge Building in Adaptation Management: Concertacion processes in transforming Lima water and climate change governance
Liliana Miranda Sara, Isa Baud

C2 ( room 3-008 )

Chair: Sejal Patel

The Presence Of Local Specific Culture In Future-Globalized Cities – The Case Of Jakarta
Jo Santoso

Inclusive and clean cities with participatory sustainable solid waste management
Jutta Gutberlet

Governance processes over the provision of local facilities for sustainable residential neighbourhoods – challenges and potentials: case studies in Aleppo, Syria
Iman Hajjar, Harry Smith
Navdeep Mathur
Planning Like A State: Urban Governance by (Dis) Empowerment

Moderator: Javier Martinez

Opened by Tom Veldkamp, Dean and Professor of Spatial Environmental Quality at the Faculty of Geo-Information Science and Earth Observation (ITC) of the University of Twente

Planning Like A State: Urban Governance by (Dis) Empowerment

Navdeep Mathur

The hegemonic narrative intersecting the practice of urban government with technical expertise is what is understood as Urban Governance. Within a liberal-democratic nation-state context, the major problem for those engaged in governing urban spaces is technical efficiency on one hand, and participation of multiple stakeholders on the other. The latter stands as a discursive representation of differential effectiveness, i.e. variegation in the outcomes of urban planned schemes that serve multiple target populations, where each stakeholder set is conceptually different. The obvious reference to James Scott’s “Seeing Like A State” in the title, marks a critical question of agency in the literature on urban governance. Are instruments of urban spatial analysis and planning distinct from technologies of state-craft and state-making? And are the multiple professional groups involved in aiding efficient management of urban questions, distinct from state actors? In what way do the development of visual technologies and exercises that have become dominating discourses in the governance of the urban, refer to hegemonic and overarching projects of legibility and state control? This paper reflects on the dialectic engagement between the needs of 21st century ‘scientific planners’ and their aerial picturization of the world that needs transformation for goals of States that re-assert their role in making the urban, and the knowledge of the world as experienced in urban life by the subjects of governance, in constantly struggling to make and contest spaces and modes of urban governance. With the notion of democracy a marginal yet often appropriated reference in urban governance, I examine how sophistication and expansion in the scope of technologies of spatial representation are deeply connected to normative visions of a good society, linked to authoritarian tendencies of control re-emerging in nation-states that are ostensibly have liberal democratic foundations.

Navdeep Mathur is a tenured member of the faculty at the Public Systems Group, Indian Institute of Management, Ahmedabad. His research is in the area of urban governance, critical policy and planning studies with a focus on participation, social justice and rights, politics of development, development-induced displacement and Interpretive Research Methodologies. He has published in academic and policy journals and is the co-editor of the Forum, Critical Policy Studies (a Routledge journal). He received his Ph.D. in Public Policy and Administration, from Rutgers University, that was supervised by Frank Fischer. Prior to joining the IM, Navdeep spent 5 years as a Research Fellow at the School of Public Policy, University of Birmingham, UK where he published with Chris Skelcher and Mike Smith on network governance, partnerships and citizen involvement in institutional design for collaborative policymaking. He has recently completed a research project with collaborators across India on the relationship of the globalizing state with local urban governance in India, supported by the Ford Foundation. His current and emerging research agenda includes understanding the role of technical expertise, scientific discourses and the politics of resistance in the context of modernist state-organised neoliberal strategies of governing.
FRIDAY 10:30 - 12:00

A3 ( room 1-068 )
Chair: Karolien Vermeiren

Spatial Metrics and Image Texture for Slum Detection
Divyani Kohli

Geographical Information System an Approach for the Development of Slums and Deteriorating areas in Cairo, Egypt.
Shaimaa Ahmed Shehata ABOULEMGD

B3 ( room 1-072 )
Chair: Viviana d’Auria

Health-related inequalities in the global north and south – A framework for spatially explicit environmental justice indicators
Heike Köckler, Johannes Flacke

Spatialising risk in a Mexican urban fringe: towards understanding how different risk/ hazards reinforce inequalities and poverty, working through Local Volunteered Geographical Information (VGI)
Frida Güiza

Urban Growth and Assessment of Its Natural and Socio-economic Risks in High Mountain Ecosystems: A Geospatial Framework for Institutionalizing Urban Risk Management in Himalaya’
Prakash C. Tiwari

D1 ( room 3-008 )
Chair: Javier Martinez

GIS, Social Media and Simulation in integrated ICT solutions for Urban Futures
Peter Sonntagbauer, Nikolaus Rumm, Hakan Kagitcioglu, Kawa Nazemi, Dirk Burkhardt

Introducing the Conductor: Approaching VGI from the Perspective of Geographic Context
Jeroen Verplanke

Urban Visions of the Excluded. Experiences of globalisation in Lusaka, Zambia
Emma Wragg, Regina Lim
FRIDAY 13:30 - 15:00

A4 (room 1-068)

Chair: Neil Stuart

My House, My Life: Decision-making processes, participation, and local citizen spatial knowledge in housing project Minha Casa, Minha Vida in Salvador da Bahia

Kyra Somers, Isa Baud

Digital tools for planning Chennai metropolitan region: The (mis)Matching Virtual GIS Generated City and Ground Realities

Raman Bhuvaneswari, Eric Denis

Ordering Informality: does slum mapping with GIS in India’s RAY programme contribute to legitimacy, accountability and spatial justice?

Isa Baud, Karin Pfeffer, Christine Richter

C3 (room 1-072)

Chair: Enrico Michelutti

Mapping spatial discourses in urban water governance in Durban – South Africa

Michaela Hordijk

When visions for better urban futures development are turned into practice. The case of the Acahualinca Development Programme in Managua, Nicaragua

Patrik Zapata, María José Zapata Campos

Dramatic deviation and public accountability in the developing city

Yola Georgiadou

D2 (room 3-008)

Chair: Harry Smith

Instrumentos de análisis para la evaluación participativa de procesos de transformación físico-social. El caso de Pikine Irregular Sur, Dakar

Eva Álvarez de Andrés y José Miguel Fernández Güell

Conflictos, incertidumbres y futuro de la regulación urbana en la Ciudad de Buenos Aires

Cecilia Cabrera, Mariano Scheinsohn
FRIDAY 15:30 - 17:00

A5 ( room 1-068 )

Chair: Luisa Moretto

Spatial knowledge management in urban local government: Emerging issues in ICT-GIS-based systems in India, Brazil, South Africa, and Peru

Isa Baud, Dianne Scott, Karin Pfeffer, John Sydenstricker-Neto, Eric Denis

The challenge of housing the poor: stakeholders, politics and knowledge use in the decision-making process of the N2 Gateway housing project in Cape Town.

Floortje Jacobs, Isa Baud

Embedding trans-disciplinary approaches to strategic urban expansion planning through combined methods in a context of weak institutional capacity: experience of Huambo, Angola.

Harry Smith, Paul Jenkins

C4 ( room 1-072 )

Chair: Jeroen Verplanke

Living Incrementally: the possible futures of self-help compound housing in Greater Accra

Viviana d’Auria

Participation as Political Strategy: Experiences in Mumbai’s Un-recognized Communities

Enrico Michelutti

Openness may not mean Democratization – e-grievance systems in their consequences

Gianluca Miscione, Karin Pfeffer, Javier Martinez, Rahul De’

D3 ( room 3-008 )

Chair: Eva Alvarez Andres

Condiciones de la expansión y configuración del área metropolitana de Bogotá: Perspectiva socioeconómica y ambiental.

Nubia Yaneth Ruiz Ruiz

Movilidad y territorio. Revisando el sesgo “materialista” en la gestión de políticas urbanas

Andrea Gutiérrez

Una Propuesta de Política y Construcción del Sistema Local de Desarrollo Urbano. El caso de la Municipalidad de Marília – Brasil.

Carmen Silvia Bueno de Freitas Carvalho, Edimir de Carvalho
Saturday 09:30 – 10:30 (Auditorium)

**Concluding remarks and debate:** Richard Sliuzas

Saturday 10:30 – 11:30 coffee break

Saturday 11:00 – 12:00 (Auditorium)

**N-AERUS meeting – Open to all participants of the conference**

**Moderator:** Javier Martinez

Saturday 13:00 – 16:00

Site visit to the award winning new neighbourhood development in Roombeek

(7th European Urban and Regional Planning Awards)

For more information see detailed programme on next page.
Site visit to the award winning new neighbourhood development in Roombeek
(7th European Urban and Regional Planning Awards)

Roombeek is a neighborhood located in the north of Enschede city at approximately 1.2km from the Oude Market. After the disaster of the fireworks factory on May of 2000, the 'Project Reconstruction of Roombeek' was carried out and lead by urban supervisor Pi de Brujin. The project was characterized by the active participation of the local neighbours by reshaping the area according to their ideas and needs. New housing, cultural facilities, recreational areas and jobs were relocated.

Programme [Saturday, 14th September]

13:00 – 13:45  ITC Building
Presentation The Governance of Rebuilding Roombeek, Pieter-Jan Klok, University of Twente
Presentation Marga Brunninkhuis, USHI Knowledge Centre Urban Building

13.45-14.00 Departure from ITC [15 min walking]

14.00-16:00 Guided tour by Marga Brunninkhuis
16:00 End of programme [back to ITC]