



Eighth Session of the Committee of Experts on UN-GGIM

Forum

A decorative banner with a white background and a black border. It features several overlapping, colorful geometric shapes in shades of maroon, yellow, blue, red, green, and gold. A light blue horizontal bar is positioned near the top of the banner.

EIGHTH SESSION OF THE COMMITTEE OF EXPERTS ON UN-GGIM

Forum conducted by the UNGGIM Academic Network

The SDGs Connectivity Dilemma:
Urban Settlements, Resilience, and Sustainability

14:00 - 18:00
Monday 30 July 2018
Conference Room 3
UN Headquarters, NY

Concept Note and Program
30 July 2018
United Nations Headquarters, New York



Eighth Session of the Committee of Experts on UN-GGIM UN-GGIM Academic Network Forum

The SDGs Connectivity Dilemma: Urban Settlements, Resilience, and Sustainability

Monday, 30 July 2018

14:00 – 18:00

Conference Room 3 (CR-3)

United Nations Headquarters, New York

Concept Note

Background

Following a successful event at the Seventh Session UN-GGIM in 2017, the UN-GGIM Academic Network will hold a forum with the theme, **'The SDGs Connectivity Dilemma: Urban Settlements, Resilience, and Sustainability'** with support from UNGGIM Private Sector Network (PSN) at the Eighth Session of UN-GGIM at the UN Headquarters in New York on 30 July 2018. In continuation from last year's forum on 'Secure Land Rights and Smart Cities – Making It Work for Sustainable Development' and the discussion on urban challenges, the UN-GGIM Academic Network will focus on the urgent demand for safe, sustainable, and resilient urban communities and settlements with particular emphasis on the SDGs.

Cities and urban areas are growing in an era when communities and their various challenges are interconnected across different domains and jurisdictions. Academics and practitioners working towards sustainable development must understand, analyse, and utilise the linkages that drive social, economic, and environmental systems. Moreover, understanding the interdependent existence of people and the space they inhabit is determined by the availability of data, namely geospatial data. This level of connectivity at local, national, and global levels shapes future urban forms, while the unavailability of, and inaccessibility to spatial data will cause urban development to lag far behind the required pace and quality. Therefore, the lack of a comprehensive spatial data ecosystem can impede the process of strengthening community and infrastructure resilience, prevent protection of social and environmental sustainability, and narrow the development gap.

"This is an open forum and all Session Attendees are invited"



The spatial expansion of urban settlements and the rapid growth of urban populations demand adequate methods for advancing urban services, infrastructures, mobility, and governance. According to UN-Habitat, the area occupied by cities are estimated to triple while the number of urban residents will double by 2030. Thus, resilience and sustainability are critical determinants of long-term impact that will emerge from future development projects to drive even urbanisation. The SDGs aim to foster efforts to strengthen the resilience and sustainability of communities and cities, however, impeding factors, such as natural disasters, socio-political conflicts, climate change, and economic shocks increasingly expose urban communities and settlements to complex social, economic, and environmental vulnerability. As a result, the Academic Network Forum will focus on the role of geospatial and land information in developing strategic pathways to improve resilience, examining geographic factors of inequalities, and identifying the requirements and enabling tools for achieving the SDGs.

The role of geospatial technologies and platforms has not been sufficiently accounted for in the implementation of the SDGs, namely in the area of urban resilience. Geospatial data, infrastructures, and systems can help stakeholders and decision-makers effectively manage and analyse the distribution of urban needs and align sustainable development investments with local demands. The integration of geospatial and statistical information in the urbanisation process can inform and balance the spatial distribution of settlements, infrastructures, and services, and strengthen the capacity of development to adapt to changing circumstances. Within this context, this Academic Network Forum aims to discuss the connection between urban settlements, resilience, and sustainability.

Forum Objectives

In line with emerging and critical issues identified by the UN-GGIM, the Forum will:

- a. Identify current challenges of urban communities and settlements and opportunities for integrating geospatial and statistical information;
- b. Examine how geospatial information will support and inform inclusive and even urbanisation, resilient development, and the SDGs; and
- c. Present and develop roadmaps for a more sustainable and resilient future for all, particularly in light of growing disaster risks.

For more information, please contact:

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Programme Agenda

TIME	DETAILS
OPENING SESSION	
14:00 – 14:20	Welcome and Opening Remarks Mr. Stefan Schweinfest (Director, United Nations Statistics Division) Dr. Wael Zakout (Global Lead, Land Policy and Geospatial, The World Bank) Prof. Abbas Rajabifard (Chair, UN-GGIM Academic Network/Director, Centre for SDIs & Land Administration, The University of Melbourne)
SESSION 1	
14:20 – 15:00	Strategic Pathways to Improve the Achievement of the SDGs in the Context of Urban Resilience Dr. Stuart Minchin* (Chief of Division, Industry Innovation & Science, Environmental Geoscience)
	How a Global Framework on Land Administration Can Contribute to Achieve the SDGs – Mr. Kees de Zeeuw (Chair, UN-EG-LAM/Director, Kadaster International)
	Monitoring Progress with Cloud Services – Prof. Josef Strobl (Advisory Board, UN-GGIM Academic Network/Lead, Interfaculty Department of Geoinformatics, University of Salzburg)
	GeoSpatial Data Science for Urban Resilience: Challenges and Opportunities – Prof. Monica Wachowicz (Advisory Board, UN-GGIM Academic Network/University of New Brunswick)
	Mapping SDGs Interactions for Cities – Ms. Maryam Rabiee (Research Associate, Centre for SDIs & Land Administration, The University of Melbourne)
Panel Discussion: International Organisation Perspective	
15:00 – 16:00	Dr. Chryssy Potsiou (President, FIG) Mr. Greg Scott (Inter-Regional Adviser, UN-GGIM) Mr. Alvaro Barra (Land Administration & Geospatial Specialist, Global Land & Geospatial Unit, Social Urban, Rural & Resilience GP, The World Bank) Prof. Menno-Jan Kraak (President, ICA) Prof. Dieter Fritsch (Vice Chair, UN-GGIM PSN) Mr. Chris Body (ISO/TC 211)
16:00 – 16:10	BREAK
SESSION 2	
Requirements and Enabling Tools for Implementing the SDGs in Urban Settings	
16:10 – 16:50	Developing a Governance Framework – Prof. Joep Crompvoets (Advisory Board, UN-GGIM Academic Network/KU Leuven)
	What Do We See? Key Consideration While Mapping SDG Indicators – Prof. Menno-Jan Kraak (Advisory Board, UN-GGIM Academic Network/University of Twente)
	Improving Resilience and Resilience Impact of National Land and Geospatial Systems – Mr. Alvaro Barra (Land Administration & Geospatial Specialist, Global Land & Geospatial Unit, Social Urban, Rural & Resilience GP, The World Bank)
	Towards More Resilient Cities – Prof. Tom Veldkamp (Dean, ITC Faculty, University of Twente)
	Spatial Infrastructure and Urban Analytics – Prof. Abbas Rajabifard (Chair, UN-GGIM Academic Network/Director, Centre for SDIs & Land Administration, The University of Melbourne)
Panel Discussion: Legal and Organisational Perspective	
16:50 – 17:50	Prof. Harlan Onsrud (Advisory Board, UN-GGIM Academic Network/Director, School of Computing & Information Science, University of Maine) Dr. Kyoung-Soo Eom (Chief, United Nations Cartographic Section) Dr. Christopher Williams (Director, UN-Habitat New York Office) Ms. Irma Britton (Senior Editor, Environmental Engineering and Environmental Science, Taylor and Francis Group) Mr. Frank Swiaczny (Assistant Director, UN DESA-Population Division, New York)
CLOSING SESSION	
17:50 – 18:00	Way Forward and Closing Remarks Prof. Abbas Rajabifard (Chair, UN-GGIM Academic Network/Director, Centre for SDIs & Land Administration, The University of Melbourne)

Updated: July 26 2018

