Land Information Systems for Smart Cities

8 – 9 May 2014, Geneva, Switzerland

Centre International de Conférences Genève, 17 rue de Varembé, 1211 Geneva, Switzerland

Organizers: Geospatial Media and Communications and the United Nations Economic Commission for Europe
Languages: English, with consecutive interpretation into Russian

Introduction

A smart city addresses the facets of urban life: urban economy, transport and mobility, environmental management, people (human capital, social inclusion), housing and living conditions, and urban governance. Smart cities depend on innovation, especially in information and communication technologies (ICT), in urban planning and management and create a sustainable socio-economic environment with minimum waste and the efficient use of resources as well as include people-centered development, which embraces education and learning, social inclusion and measures to meet needs of vulnerable groups. Smart cities promote more efficient transport and mobility and also support entrepreneurship.

Land administration systems (LIS), which rely extensively on the use of ICTs, are a key component of a smart economy. Well-formulated LIS enable local authorities to generate revenues for urban development, maintain safety and security, manage utilities and implement many other important urban management tasks. The development of LIS promotes public participation in decision making at the city level by providing access to online information on their properties' tenure, allowing them to pay their property and land taxes conveniently, to register ownership of property faster and to express their concerns.

Geospatial Media and the United Nations Economic Commission for Europe (UNECE) will organize a two-day Dialogue Forum on Land Information Systems for Smart Cities. This event is a part of the Geospatial World Forum[1], a bi-annual international conference and exhibition, which supports dialogue geospatial technologies and their role in promoting economic and social development. Organized in India (2007, 2009 and 2011), the Netherlands (2012 and 2013) and now in Switzerland (2014), this global platform brings together more than 1000 delegates from over 80 countries deliberating on geospatial technologies and their role in promoting sustainable development.

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[1] http://www.geospatialworldforum.org/

Programme of the workshop

The workshop chair: Arup Dasgupta, Managing Editor Geospatial Media and Communications, India

Thursday, 8 May 2014	
08:30 – 09:00	**Registration**
09:00 –11:00	**Opening session** This session will include presentations by ministers and mayors who will report on the development of LIS and their role in supporting smart cities in their countries
15 min each	Speakers: - Virginia Cram-Martos, Director of Economic Cooperation, Trade and Land Management Division, UNECE, Switzerland - Elena Szolgayová, Chair of UNECE Committee on Housing and Land Management; and Ministry of Transport, Construction and Regional Development of Slovakia, Slovakia - Elshad Khanalibayli, Chair of UNECE Working Party on Land Administration; and Head of Investment and Cooperation Department, State Committee on Property Issues, Azerbaijan - John Peaden, Director of Operations, Land Registry of England and Wales, UK - Stefano Scalera, Director of Agenzia del Demanio, Italy - Karam Hasanov, Chairman, State Committee on Property Issues, Azerbaijan - Abduvali Komilov, Chairman of the Committee for Construction and Architecture, Tajikistan - Vincent Hoong, Chief Executive of Singapore Land Authority, Singapore Questions and discussion
11:00 – 12:30 12:30– 13:30	Networking tea/coffee and Exhibition visit Lunch Break
13:30 – 15:30	**Session 1. Land as the basis of smart city management** The session will focus on definitions of smart cities. Information on smart cities' programmes and projects and those programmes' definitions and approaches used will be presented
10 min each	Speakers: - Kees de Zeeuw, Director of Kadaster International, The Netherlands - Siegfried Nagl, Mayor of Graz, City of Graz, Austria - Peter Creuzer, Director of State Survey and Geospatial Basic Information Agency for Geoinformation and Land Development of Lower Saxony (LGLN), Germany - Tony Bonnici, Economic Affairs Officer, UNECE, Switzerland - Gulnara Roll, Head of Housing and Land Management Unit, Trade and Sustainable Land Management Division, UNECE, Switzerland - Andreas Littkopf, International Affairs, Environment Agency Austria (EAA), Austria - Kari Aina Eik, Secretary General, Organization for International Economic Cooperation, Austria - Somkid Sari, Advisor on Performance Efficiency, Department of Lands, Thailand Questions and discussion
15:30 – 16:00	Networking tea/coffee and exhibition visit

16:00 – 18:00	**Session 2. Land Information systems for energy efficient housing** Experts in housing and energy will share their knowledge and experiences on how LIS can support housing energy efficiency and help cities to decrease their carbon footprint
10 min each	Speakers: - Dave Carter, Head of Manchester Digital Development Agency, City of Manchester, UK - Natalya Oliynik, Director of the Department for Strategic Reform and Development of Housing Sector, Ministry of Regional Development and Construction, Ukraine - David Gigineishvili, Head of Spatial Planning and Construction Policy Department, Ministry of Economy and Sustainable Development, Georgia - Alena Rakava, Consultant, Department of Foreign Economic Relations, Ministry of Architecture and Construction, Belarus - Nick Russill, Director, TerraDat, UK - Martinus Vranken, Project Manager of the Energy and Climate, Kadaster, The Netherlands Questions and discussion
Friday, 9 May, 2014	
09:00 – 11:00	**Session 3. Land information systems for urban planning** Experts from different countries will discuss the use of urban planning and design for sustainable development of settlements and communities
10 min each	Speakers - Didier Vancutsem, Chairman, The International Society of City and Regional Planners, The Netherlands - Christopher Barlow, Director of Strategic Relations and Communications, Thomson Reuters, USA - Doug Hurdlebrink, Deputy Commissioner of the city of Chicago, USA - Mahmoud ElBurai, Managing Director, Dubai Real Estate Institute, UAE - Andrew Trigg, Chief Geographic Information Officer, HM Land Registry of England and Wales, UK - Prabhat Kumar Sarangi, IAS, Joint Secretary, Department of Land Resources, India - Andrew Hudson Smith, Director of the UCL Centre for Advanced Spatial Analysis, UK - Jill Urban Karr, Executive Director, Consulting Services/landfolio Solutions, Trimble Navigation Ltd., USA Questions and discussion
11:00 – 12:30 12:30 – 13:30	Networking tea/coffee and Exhibition visit Lunch Break

13:30 – 15:00	**Session 4. Smart cities supporting efficient transport management** At the core of the success of any city development programme is its transportation system. Experts will discuss how a city can provide a safe, affordable, fast and efficient transportation system which enables its citizens and visitors to lead better lives

10 min each	Speakers:
	    - Konstantinos Alexopoulos, Secretary of Transport Trends and Economics Secretariat, UNECE, Switzerland
	    - Brinda Wachs, Coordinator of Transport, Health and Environment Pan-European Programme (THE PEP), UNECE-WHO joint programme, Switzerland
	    - Ülo Sare, CEO, Reach-U, Estonia
	    - Iemke Idsingh, Public Sector Solutions Director, Oracle, The Netherlands
	    - Nick Land, Business Development Manager, Esri Europe, UK
	
	Questions and discussion

15:00 – 16:00	Networking tea/coffee and Exhibition visit
16:00 – 17:00	**Session 5. Smart cities for environmental conservation and disaster risk reduction** Disasters are not random; they are the convergence of hazards and vulnerable conditions (UNEP 2013). Experts will discuss how, with more efficient and planned management and re-development, cities can contribute not only to protecting the environment in a sustainable way, but also to reducing the risks and consequences of disasters

10 min each & 20 min discussions	Speakers:
	    - Abhilash Panda, Senior Programme Officer, UN Office for Disaster Risk Reduction, Switzerland
	    - Iain Langlands, GIS Manager - Land and Environmental Services, Glasgow City Council, Scotland
	    - Nikolay Bobylev, Marie Curie Research Fellow, University of Birmingham, UK
	    - Manuel Garcia Alvarez, Researcher, ITC, University of Twente, The Netherlands
	
	Questions and discussion

17:00 – 17:30	**Concluding Panel Discussion** Reporting on the two-day programme

	Speakers:
	    - Arup Dasgupta, Managing Editor Geospatial Media and Communications, India
	    - Gulnara Roll, Head of Housing and Land Management Unit, Trade and Sustainable Land Management Division, UNECE, Switzerland
	    - Elshad Khanalibayli, Chair, UNECE Working Party on Land Administration; and Head Investment and Cooperation Department, State Committee on Property Issues, Azerbaijan