



A Sustainable and Resilient World: Capacity Building and Geospatial Research for Implementing the SDGs

**11:00-12:30 Wednesday 21 November 2018, Room: E302, Exhibition Centre
Deqing, China**

Concept Note

Background

Geospatial information and systems support decision-making and planning at local, national, and global levels and facilitate the measurement and monitoring of progress when tackling complex problems. Economic, social, and environmental challenges and their solutions are interconnected across different locations, particularly in future smart, resilient, and sustainable communities and cities. Therefore, strengthening accessibility to reliable geospatial information and systems can foster the development of action-based solutions and strengthen international cooperation. The session will cover the significance of a 'geospatial academy,' which facilitates innovative and interdisciplinary means to involve experts from different domains in the geospatial realm. A smart and sustainable future for all is at the centre of the geospatial academy agenda where the spatial measurement of SDG and smart city indicators contribute to pathways that reduce urban inequalities, develop long-term sustainable solutions, strengthen international cooperation, and create a comprehensive (spatial) data ecosystem.

The presenters will discuss the multi-dimensional contribution of the Academic Network as a critical player in promoting and sharing geospatial data and integration approaches, developing legal and policy instruments, implementing institutional management models, providing technical solution and standards, enhancing interoperability of systems and geospatial data, and improving access to quality and timely data.

Theme 7: Sustainable Development in Action

Session Format: Session Presentations



Main Outcome from Session:

- Identification of areas that academic sectors should concentrate on and recommendations to assist their jurisdictions to achieve SDGs and future sustainability efforts
- Presentation of strategic roadmap and recommendations for national action plan
- Capacity building strategies for strengthening geospatial knowledge and impact across different domains

Presenters

Prof Abbas Rajabifard, Chair, UN-GGIM Academic Network and Director, Centre for Spatial Data Infrastructures and Land Administration, The University of Melbourne, Australia, Male, abbas.r@unimelb.edu.au

Topic: “A Sustainable and Resilient World: Capacity Building and Geospatial Research for Implementing the SDGs”

Prof Maria Brovelli and Prof Ivana Ivanova, Politecnico di Milano, Italy, maria.brovelli@polimi.it

Topic: “Open Science and Education for Implementing SDG”

Prof Menno-Jan Kraak, Advisory Board, UN-GGIM Academic Network and Professor, University of Twente, The Netherlands, Male, m.j.kraak@utwente.nl

Topic: “Train the Map Makers, Educate the Map Users”

Prof Huayi Wu, Advisory Board, UN-GGIM Academic Network and Professor, Wuhan University, China, Male, wuhuayi@whu.edu.cn

Topic: “Sharing and Utilizing Night Light Remote Sensing Images of Luojia 1-A”

Prof Chryssy Potsiou, President, FIG, National Technical University of Athens, Female, chryssy.potsiou@gmail.com

Topic: “FIG Recent Activity in Developing Partnerships for the Implementation of UN SDGs”

Dr Zhixuan (Jenny) Yang, Dongbei University of Finance and Economics, China, Female, zhixuan.yang@unimelb.edu.au

Topic: “Implementing SDGs in Smart Cities Beyond Digital Tools”

Dr Zaffar Sadiq Mohamed-Ghouse, President, SSSI Australia, Male, zaffar.mg@spatialvision.com.au

Topic: “Role of National Professional Body supporting SDG’s through Certification and CPD – An Australian Perspective”

Drs. Michael Starek, Gary Jeffress, Tianxing Chu, Conrad Blucher Institute for Surveying and Science Texas A&M University-Corpus Christi, USA, Michael.Starek@tamucc.edu

Topic: “3D Geospatial Information for Sustainable Coasts: Emerging Solutions and Applications”

For more information, please contact:

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“This is an open Session and Attendees are Welcome”

