

## **ISPRS/ IGU/ICA Joint Workshop on**

### **Borderlands Modeling and Understanding for Global Sustainability**

December 5-6, 2013, Beijing, China

#### **First Announcement and Call for Papers**

##### **Organized by:**

- Beijing Normal University (BNU)
- National Geomatics Center of China (NGCC)
- Peking University (PKU)
- Lanzhou University (LU)

##### **Sponsored by:**

- International Society for Photogrammetry and Remote Sensing (ISPRS)
- International Geographical Union (IGU)
- International Cartographic Association (ICA)
- Geographical Society of China (GSC)
- Association of American Geographers (AAG)

##### **Background:**

Achieving sustainable development is a consensus of the international community, as declared by the Rio+ 20 Outcome Document. How to accomplish this task is a big challenge facing the government, private sector and academia. Nowadays the United Nations (UN) are exerting great efforts in mobilizing the world to come up with a post-2015 development agenda based on inputs from all walks of life. It is the moral obligation of the borderland-related research community to have our thought and say, thus making our due contribution.

Borderlands are physical spaces adjoining national boundary lines and geographic units with unique characteristics in terms of geography, natural resources, demography, economy, and culture. In most cases, they unite as a continuum with the same ethnicity, economic pattern and natural resource, and share more common features with the neighboring country instead of the inner land of the mother country. These similarities and identicalness do no respect and cannot be divided by the artificial boundary lines which are politically dictated. People, goods, services and ideas flow across boundaries from state to state in a very easy manner. The borderlands are becoming more and more important in the context of global sustainable development and regional cooperation, and deserve special attention for policy-makers and researchers.

A better understanding of borderlands can be advanced through an integrated multi-disciplinary researches and the utilization of new technologies. During the past few years, we have witnessed recent scientific achievements and technological development in earth observation, global geographic information, geopolitics, geographic modeling, international relations and many other

related subjects. This makes it possible to conduct a more comprehensive research of the borderlands areas in our planet through multi-disciplinary collaboration. New concepts and theories, methods and algorithms, as well as the advanced geo-computing tools/ platform can be developed to support the planning, monitoring, and management of borderlands. Scientific innovation and excellency in this domain will not only contribute to the socio-economic development and human well-being in border areas, but will also benefit the global understanding and sustainability.

This workshop aims to promote scientific research and academic exchange on digital modeling, advanced analysis and comprehensive understanding of borderlands. It will provide a forum for leading scientists and young researchers to present their latest research results, exchange new ideas and discuss the possible collaboration in this field.

### **Topics:**

- Scientific challenges in borderlands studies
- Conceptual and theoretical achievements in borderlands studies
- Modeling and representation of digital borderlands
- Reliable information of borderlands
- Geo-computing infrastructure for borderland studies
- Analytical and quantitative methods for borderlands
- Understanding the relation of land cover and culture in border areas
- Understanding cross-border economies and communication
- Understanding non-traditional security in border areas
- Others

### **Scientific Committee:**

Prof. Dahe Qin (Chair, IGU Vice President, Academician of Chinese Academy of Sciences, China)

Prof. Jun Chen (Co-Chair, ISPRS President, NGCC/BNU, China)

Prof. Yanhua Liu (Co-Chair, GSC President, China)

Dr. Douglas Richardson (Co-Chair, AAG Executive Director, USA)

Prof. William Cartwright (Co-Chair, ICA Past President, RMIT University, Australia)

Prof. Yifang Ban (ISPRS WG IV/II/VIII Chair, KTH, Sweden)

Prof. Giuliano Bellezza (IGU Vice President, Universities of Roma La Sapienza and Viterbo-Tuscia, Italy)

Dr. Derek Clarke (ICA Vice President, Surveys and Mapping, South Africa)

Prof. Debin Du (East China Normal University, China)

Dr. Jie Jiang (ISPRS Com II President (NGCC, China)

Dr. Peter Jordan (ICA Com. Chair on Atlases, Austrian Academy of Sciences, Austria)

Dr. Shuying Leng (National Natural Science Foundation of China, China)

Prof. Songnian Li (ISPRS Com IV President, Rayson University, Canada)

Prof. Weidong Liu (Chinese Academy of Sciences, China)

Prof. Yaolin Liu (ICA Vice President, Wuhan University, China)

Prof. Dadao Lu (Academician of Chinese Academy of Sciences, China)

Mr. Sukendra Martha (ICA Vice President, Board of Geospatial Information, Indonesia)

Prof. Alexander Murphy (AAG Past President, University of Oregon, USA)

Prof. Matin Pratt (Durham University, UK)  
Prof. Mark Rosenberg (Queen's University, Canada)  
Dr. Changqing Song (National Natural Science Foundation of China, China)  
Prof. Shu Tao (Peking University, China)  
Prof. Vladimir Tikunov (ICA Com. Chair on GI for Sustainability, M. V. Lomonosov Moscow State University, Russia)  
Prof. Jiayao Wang (Information Engineering University, China)  
Prof. Wuyi Wang (Chinese Academy of Sciences, China)  
Prof. Anthony Yeh (Academician of Chinese Academy of Sciences, Hongkong University, China)  
Prof. Shangyi Zhou (Beijing Normal University, China)

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Prof. Tingjun Zhang (Lanzhou University, China)  
Dr. Zhuodong Zhang (Beijing Normal University, China)

**Secretary:** Dr. Yang Cheng (Beijing Normal University, China)

**Abstract and paper submission:**

- Abstract with approx. 500 words in English should be submitted before **August 10, 2013**. The submission system will be available on the workshop webpage: <http://geo.english.bnu.edu.cn/newsphotos/53301.html>
- Notification of acceptance will be sent out by **September 10, 2013** with instructions for the submission of draft papers by **October 10, 2013** for circulation at the workshop.

**Registration fees:**

All participants, except non-attending co-authors, must pay the registration fees of **\$200 (or 1200 RMB)** at the workshop. The fees will be used for renting venue, printing workshop documents, providing food services, inviting keynote speakers, and preparing conference proceedings.

This workshop offers a reduced registration fee of **\$100 (or 600 RMB)** for graduate students.

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**Important Dates:**

Abstracts: August 10, 2013

Notification of acceptance: September 10, 2013

Full paper: October 10, 2013