

**Report on ISPRS Workshop:**  
**Collaborative and Dynamic Land Cover Information Services**  
**Supporting UN Sustainable Development Goals**

By Wu Hao

The ISPRS workshop, entitled “Collaborative and Dynamic Land Cover Information Services Supporting UN Sustainable Development Goals”, was held in Jinan, China on 16th September 2017. The meeting was jointly co-organized by ISPRS ICWG IV/III, the National Geomatics Center of China (NGCC), Shandong Normal University and NASG Research Center for Fundamental Geospatial Information. The workshop enjoyed the support of the ongoing ISPRS Scientific Initiatives project, entitled “An ISPRS contribution to Transforming Our World: Augmentation of GlobeLand30 with additional data for monitoring United Nations Sustainable Development Goals”. The theme of the meeting was on how global land cover data could quantify indicators of the sustainable development goals (SDGs) in order to support the United Nations (UN) “2030 Agenda for Sustainable Development”. More than 100 delegates from 20 research institutes attended the workshop, including four members of the ISPRS Council. Prof. Duan Peiyong, Vice-President of Shandong Normal University, gave a welcome speech in the opening session. Dr. Wu Hao, Co-Chair of ISPRS ICWG IV/III, chaired the workshop.





The one-day workshop was comprised three technical sessions: Land Cover Processing and Mapping; Big Data and Web Service Computing; quantification of SDG indicators based on land cover and other datasets. 23 oral presentations, including two invited talks, were given. The invited presentations were 1) “GlobeLand30 data mining for assessment of SDG 15”, given by Prof. Liu Chuang from Institute of Geographic and Sciences and Natural Resources Research; 2) “Large-area Land Cover and Land Cover Change Monitoring using Remote Sensing and Multisource Data: Status and Opportunities” given by Prof. Yang Limin from ICSU Future Earth Engagement Committee. After the technical sessions, Prof. Jon Mills of Newcastle University announced the “Call for participation in Atlas Challenge competition” and outlined the competition rules (see link at end). Dr. Ti Peng, Southwest Jiaotong University, then gave a short demonstration of a prototype dynamic Atlas that can be used to visualize the SDGs.



All of the sessions were organized in a single track and were well attended. Some of the particular topics and issues addressed in the discussion sessions included:

- Awareness that collaborative and dynamic land cover information services will improve on-demand generation, facilitate efficient data sharing, and enhance the value-added applications of land cover information;

- Recognition that land cover information, combined with other geo-spatial information and socio-economic data, could promote the measurement and monitoring of UN SDGs indicators;
- Realization that a knowledge map could clearly and directly express distribution and change of land cover information and contribute to the measurement and monitoring of the UN SDGs with geo-spatial information and other statistical data.



In the closing session, Prof. Songnian Li presented a summary and a reflection of the discussions that occurred during the scientific sessions. Prof. Chen Jun gave a closing speech to encourage young Chinese researchers to participate in future ISPRS events. He thanked the team from the NGCC and Shandong Normal University for all their hard work which had resulted in a highly successful workshop.

## **Links**

[http://www.isprs.org/news/announcements/170927-Call\\_for\\_participants\\_ofpapercompetition\\_on\\_the\\_Atlas\\_Challenge\\_0905\\_submit.pdf](http://www.isprs.org/news/announcements/170927-Call_for_participants_ofpapercompetition_on_the_Atlas_Challenge_0905_submit.pdf)

## **Acknowledgement**

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