REMOTE SENSING, GIS, AND CARTOGRAPHY FOR ENTIRONMENTAL AND URBAN APPLICATIONS USING CHINESE ZY-3 DATA

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The Chinese earth observation satellite system ZY-3 is the first civilian satellite of China. The University of Vienna has a cooperation agreement with the Satellite Surveying and Mapping Application Center of the National Administration of Surveying, Mapping and Geo-Information of the Peoples Republic of China with the aim to use, promote, and conduct research with ZY-3 data.

This project's objectives were to

- conducts scientific exchange with leading universities in China on the use of satellite remote sensing data for various environmental and urban applications
- organize a workshop in Vienna on the use of Chinese earth observation data
- present and publish results of the use of ZY-3 data for applications in Austria to theChinese partners
- establish organized links between universities
- give lectures for Chinese researchers, graduate students, and environmental scientists from rural and urban areas

Due to limited funding, only the workshop with participation of leading Chinese universities (Wuhan University, Hong Kong Polytechnic University, Hong Kong Baptist University, Tongji University), the Chinese Satellite Surveying and Mapping Center (SASMAC), and Austrian companies (Geoville, Synergis) was organized in Vienna (China-Sat-Workshop See http://china-sat-workshop.univie.ac.at/) on June 11-12, 2018. This workshop should be the first in a series of workshops in Austria and China to promote and demonstrate the applications of Chinese satellite data. An additional trip of W. Kainz to Wuhan for further discussions was partly funded by this project.

More information about the workshop can be found on the workshop web page. A follow up project to complete the original objectives has been submitted for the 2018 call.

Workshop on Earth Observation with Chinese Satellite Systems

44th Meeting of the Austrian Cartographic Commission (ÖKK)

Program

Monday, 11 June 2018

08:00 – 09:00	**Registration** Aula, Campus of the University of Vienna
09:00 – 09:30	**Opening** Prof. Regina HITZENBERGER (Vice Rector – University of Vienna) Prof. João ALVES (Dean – Faculty of Earth Sciences, Geography and Astronomy) Prof. Wolfgang KAINZ (Department of Geography and Regional Research)
09:30 – 10:30	**Opening Keynote** Prof. Jianya GONG (Wuhan University) *High Precision Processing for High Resolution Remote Sensing of China*
10:30 – 11:00	Break
11:00 – 11:45	**Keynote** Prof. Xinming TANG (SASMAC) *Chinese Mapping Satellites and Cloud Service Platform*
11:45 – 12:15	**ÖKK Award Ceremony for the Best Master Thesis**
12:15 – 14:00	Lunch break
14:00 – 15:30	**Presentations** Prof. Zhilin LI (Hong Kong Polytechnic University) *Effect of Spatial Resolution on Extraction of Features from Satellite Images* Prof. Qiming ZHOU (Hong Kong Baptist University) *Application of ZY-3 Satellite Images in Central Asia* Prof. Xiaohua TONG (Tongji University) *Jitter Detection, Separability and Compensation of High-Resolution Satellites*
15:30 – 16:00	Break
16:00 – 17:00	**Presentations** Christian HOFFMANN (GeoVille) *Copernicus Land Monitoring in Action – 20 Years of Development* Clemens NADERER (SynerGIS) *ZY-3 – A Standard Raster Type in ArcGIS Supporting Visualization (2D, 3D) and Analysis*
17:00	**Closing Session**
19:00 – 22:00	**Social get-together**

Tuesday, 12 June 2018 – Technical Visits

08:30 – 09:30	***Hyperglobe Research Group*** Department of Geography and Regional Research, University of Vienna Universitätsstraße 7, III, 1st floor, 1010 Vienna Demonstration by Renée BICHLER and Andreas RIEDL, Hyperglobe Research Group
10:00 – 11:30	***Globe Museum of the Austrian National Library*** Herrengasse 9, 1010 Vienna, Palais Mollard, Servicedesk Guided tour by Jan MOKRE, Head of Map Collection and Globe Museum *Meeting Point:* 09:30, Universitätsstraße 7, 1010 Vienna, main entrance hall or individual arrival at venue
10:00 – 11:00	***Tour of Main Building of the University of Vienna*** Universitätsring 1, 1010 Vienna *Meeting Point:* 09:45, Universitätsstraße 7, 1010 Vienna, main entrance hall or individual arrival at venue
14:00 – 15:30	***Austrian National Mapping Agency*** Schiffamtsgasse 1-3, 1020 Vienna Presentations by Gert STEINKELLNER, Ernst ZAHN, Gerald KOHLHOFER *Meeting Point:* 13:30, Universitätsstraße 7, 1010 Vienna, main entrance hall or individual arrival at venue

Website: http://china-sat-workshop.univie.ac.at

Workshop Venue

Campus of the University of Vienna
Aula

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Organizing Committee

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