

The first announcement
and call for papers



International Symposium on Earth Observation for One Belt and One Road (EOBAR)

Theme: Quicker, Better, Broader Understanding of the Belt & Road

16 -17 May 2016
Beijing, China



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Sponsored by



Division of Earth Sciences,
Chinese Academy of Sciences (CAS)

Co-Sponsored by



Group on Earth Observations (GEO)

Organized by



Institute of Remote Sensing and Digital Earth
(RADI), CAS

Co-organized by



International Society for Digital Earth (ISDE)



International Centre on Space Technologies
for Natural and Cultural Heritage under the
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Integrated Research on Disaster Risk (IRDR)



Pan-Eurasian Experiment (PEEX)



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Invitation

The International Symposium on Earth Observation for One Belt and One Road (EOBAR) will be held in Beijing on 16-17 May 2016. Co-hosted by the Division of Earth Sciences, Chinese Academy of Sciences (CAS), together with related ministries, commissions, and international organizations, the conference will provide an international platform for scientists who are engaged in "One Belt One Road" (OBOR) research and the applications of space-based Earth observation technology. Thus, it gives me great pleasure to invite you to attend the conference.



Chinese President Xi Jinping initiated the strategic plan of constructing the "Silk Road Economic Belt" and the "21st Century Maritime Silk Road" (abbreviated as "One Belt One Road" initiative, or OBOR for short). The "Silk Road Economic Belt" links the Asia-Pacific economic circle in the east and the well-developed European economic circle in the west, whilst the "Maritime Silk Road" links the major port cities in China and Southeast Asian countries, making OBOR a smooth, safe and highly efficient transport corridor with the most potential for development all over the world. Now, OBOR has become China's most important milestone and international cooperation framework, with wide coverage in both scope of cooperation and geographic areas. In addition, it will lead to long-term development.

The OBOR initiative covers a vast area and involves many countries and a large population, facing numerous problems related to sustainable development that need to be addressed by nations and stakeholders through close cooperation. Space-based Earth observation technology, with its synoptic view and rapid, accurate, objective



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data acquisition, is an effective means for environmental observation, and it can provide OBOR countries with important tools to conduct dynamic regional analyses of the ecological environment and development potential of these countries. Therefore, it will strengthen cooperation and sustainable development in the region.

With a focus on spatial cognition along the OBOR, the conference will invite experts, scholars and managers from both home and abroad to exchange ideas on the progress and achievements of OBOR using Earth observation technologies. Topics will include spatial information infrastructure and capacity building, natural and cultural heritage site protection, space technologies for disaster mitigation, sharing platforms, resources, and the ecological environment. These discussions will develop follow-up work and potential cooperation activities for OBOR in the field of Earth observation.

The conference will be a key platform for OBOR countries to promote spatial information sharing and bilateral and multilateral international cooperation. We sincerely wish the conference much success and look forward to your participation in Beijing.

Guo Huadong,

Chairman of the International Symposium on EOBAR



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Call for Papers

The International Symposium on EOBAR calls for abstracts related to the topics below:

Topic 1 Spatial information infrastructure and capacity building

- Integrated Earth observation system
- Satellite constellation and virtual ground station network
- Platform for spatial information sharing services
- Capacity building for remote sensing satellite data processing and applications
- Regional cooperation mechanism for spatial information applications

Topic 2 Space-based observation of the Silk Road Economic Belt

- Water resource endowment and sustainable utilization
- Spatial patterns of agricultural structure and agricultural development opportunities
- Dominant central urban agglomeration and new types of urbanization
- Spatiotemporal evolution of ecological systems
- Energy and mineral resources

Topic 3 Space-based observation of the Maritime Silk Road

- Port and port city development
- Sustainable development and utilization of coastal zones
- Marine environment protection and resource utilization
- Marine disasters along sea lanes
- Global change in marine environments and regional response



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Topic 4 New urbanization and World Heritage site protection

- The spatial pattern and evolution of urbanization
- Population migration and environmental evolution
- Exploration, monitoring and protection of natural and cultural heritage
- Digital reconstruction of spatial forms of natural and cultural heritage
- Spatial information management platform for natural and cultural heritage

Topic 5 Space technologies for disaster mitigation and sharing platforms

- Major natural disaster information extraction
- Rapid distribution and integration of disaster information products
- Platform for sharing spatiotemporal disaster information products and technologies
- Emergency response mechanism for disaster mitigation

Topic 6 Global environmental change impact and adaptation

- Environmental change and countermeasures of arid and semi-arid regions
- Environmental change and countermeasures of tropical and subtropical regions
- Impact of sea level rise on regional environments and economies



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Submission of Abstracts and Full Papers

Interested contributors should submit a one page abstract of the paper they propose for presentation according to the following requirements:

- All submissions should be in English.
- Abstracts should reach the conference secretariat no later than January 31, 2016.
- Notification of abstracts acceptance will be given by February 15, 2016.
- Registration opens on August 20, 2015, and the deadline is on March 30, 2016.
- Full paper submission should be no later than April 15, 2016.
- Please submit abstracts and full paper through the link at <http://www.eo-bar.ac.cn>.
- All abstracts and full paper must be submitted online.
- Selected papers will be included in the proceedings of the *International Symposium on Earth Observation for One Belt and One Road (EOBAR)*, and **all paper will be indexed by EI Compendex**; high-quality papers will be recommended to SCI journals.

Registration Fees

Early registration (before March 30th, 2016)

260 USD or 1500 RMB per person

On-site registration

300 USD or 1800 RMB per person



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Sponsorship and Exhibition

This conference welcomes companies, organizations and individuals to offer sponsorship or apply for the exhibition. Please contact us for detailed information on the exhibition.

Venue

The symposium is scheduled to be held at the Beijing International Convention Center (BICC). Put into operation in 1990, BICC is located in the bustling area of the Asian Sports Village adjacent to many shopping malls and entertainment areas. It is 20 km away from Beijing Capital International Airport and 9 km from the downtown area of the city. It is next to the facilities in the central Olympic zone including the Bird's Nest and the Water Cube. For more information, please see <http://www.bicc.com.cn>.



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Contact Information

For more information on the International Symposium on Earth Observation for One Belt and One Road (EOBAR), please see www.eo-bar.ac.cn, or contact the Organizing Committee of the symposium:

Secretariat of the International Symposium on EOBAR

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