

Bilateral US-China CODATA Workshop
In collaboration with the Secure World Foundation
National Academy of Sciences
Room 125, National Academy of Sciences Building
2101 Constitution Avenue NW
Washington, DC

August 25-26, 2014

General Objectives:

- Promote the advance and cooperation on EO data policies and cooperation
- Showcase recent results
- Use the workshop as an opportunity to hold other meetings that week

Specific Objectives:

- Build on specific results and issues in evolving EO data policy
- Use meeting as platform for bilateral cooperation in disaster data (specifically, landslides from storms and floods).

The proceedings on the first day of the workshop will be recorded and transcribed, shared with participants, but will not be publicly released. If presenters grant permission, their slides will be made available on the organizers' websites. The Secure World Foundation will prepare a short summary, without attribution to the names of the participants and will be made publicly available following review by all the participants.

Monday, August 25

8:00 *Continental breakfast*

Session One: Asking the Right Questions

Session Chairs: Mr. Paul UHLIR, US CODATA, NAS, and Prof. LI Jianhui, CNIC, Chinese Academy of Sciences

8:45 Welcoming remarks by the National Academy of Sciences and the U.S. and Chinese delegation co-chairs

- Mr. Paul UHLIR, Director, Board on Research Data & Information, and US CODATA, NAS
- Mr. Kevin POMFRET, Esq., Director of Centre for Spatial Law and Policy
- Prof. LI Guoqing, RADI, Chinese Academy of Sciences

9:00 Welcoming remarks by Secure World Foundation

Dr. Michael SIMPSON,
Executive Director

- 9:10 Presentation by representative of the Department of State Mr. Fernando ECHAVARRIA,
Department of State
- 9:20 Presentation by representative of the U.S. Geological Survey Mr. Raymond BYRNES,
Department of Interior USGS/DOI
- 9:30 Presentation by representative of the National Oceanic and Mr. Charles WOOLDRIDGE,
Atmospheric Administration, Department of Commerce NOAA/DOC
- 9:40 Key Legal Considerations in Data Sharing Arrangements Mr. Kevin POMFRET, Centre
for Spatial Law & Policy
- 10:00 Introduction to China National Earth Observation Data Prof. LI Guoqing, RADI/CAS
Sharing Programme
- 10:20 General discussion
- 10:30 Break

Session Two: Chinese Earth Observation (EO) Data Policy and Programs

Session chairs: Dr. Phil Yang, George Mason University, and Prof. FENG Qiang, RADI/CAS

- 10:50 Evolution of Chinese research data policy Prof. LI Jianhui, CNIC/CAS
- 11:10 Improving of China Earth Observation Data Policy Prof. LI Guoqing, RADI/CAS
- 11:30 Evolution of Chinese Space Science Mission data Prof. ZOU Ziming,
sharing policy NSSC/CAS
- 11:50 General discussion
- 12:00 Lunch in meeting room
- 12:30 ***Lunch Speaker on Commercial Earth Observations in the U.S.*** Mr. Michael RUGALA
DigitalGlobe Corp.

Session Three: Issues in Forming EO Data Policy

Session chairs: Mr. Kevin POMFRET, CSLP, and Prof. LI Guoqing, RADI/CAS

- 13:00 Overview presentation Prof. LI Mengxue, UMD
- Discussion
- 13:30 Overcoming barriers to EO data sharing

Short presentations on legal, economic, institutional, sociocultural and political barriers, followed by general discussion

- Ms. Anita EISENSTADT, Science and Technology Policy Institute
- Dr. Mariel BOROWITZ, Georgia Tech
- Dr. Robert CHEN, Columbia University
- Prof. Shuming BAO, University of Michigan
- Mr. Dan STILLMAN, PlanetiQ
- Mr. Paul UHLIR, NAS/US CODATA

15:30 Break

Session Four: Data Case Studies

Session chairs: Dr. Robert CHEN, Columbia University, and Prof. ZOU Ziming, NSSC/CAS

15:50 Introduction to Marine Hazards in China's Coastal Zone Prof. ZHANG Tianyu, NMEFC

16:10 Integrated Research on Disaster Risk and Disaster Data Sharing
Prof. FENG Qiang, RADI/CAS

16:30 Cryosphere Monitoring and Research Big Data on Cold and Arid Regions
Prof. ZHANG Yaonan, CAREERI/CAS

16:50 Cloud-based Geospatial Data Analysis and Services
Dr. WANG Xuezhong, CNIC/CAS

17:10 General Discussion

17:20 Instructions for Day Two of the Workshop Mr. Paul UHLIR, US CODATA

17:30 Reception in the West Court at the National Academy of Sciences building
2101 Constitution Avenue NW, Washington, DC

Moving Forward on Data Policy and Cooperation in Earth Observations:

A Focus on Disaster Data

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Tuesday, August 26

8:30 *Continental breakfast in meeting room*

9:00 *Session Five: Disaster Data Sharing*

Session chairs: Prof. Carol SONG, Purdue University, and Prof. LI Guoqing, CAS

Rapporteur: Dr. Robert CHEN, Columbia University

Participants: Prof. FENG Qiang, RADI/CAS; Prof. LI Jianhui, CNIC/CAS; Prof. ZOU Ziming, NSSC/CAS; Prof. ZHANG Yaonan, CAREERI/CAS, Prof. ZHANG Tianyu, NMEFC; Dr. WANG Xuezhi, CNIC/CAS; Ms. LI Chang, CNIC/CAS; Mr. Thomas CECERE, USGS; Dr. Mariel BOROWITZ, GA Tech; Ms. Mary Ann KUTNY, NOAA; Ms. Laura DELGADO LOPEZ, SWF; Mr. Paul UHLIR, US CODATA; [possibly others TBD]

- Statement of the issues
- Identification of the data needed
- Characterization of the data available in the US and in China – live web demos
- Methods of cooperation and next steps

11:00 Break

11:30 Plenary report

11:45 General discussion

12:00 Closing remarks by Session 5 co-chairs

12:10 Meeting ends and group lunch in NAS cafeteria

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13:15 CODATA Task Group on Disaster Data

Co-chairs: Prof. Carol SONG, Purdue University, and Prof. LI Guoqing, RADI/CAS

14:30 Break

14:45 Discussion of bilateral and international CODATA cooperation issues

17:30 Task group meeting ends, dinner at 701 Restaurant, 701 Pennsylvania Ave. NW

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US Participants (25)

US chair: Mr. Kevin Pomfret, Centre for Spatial Law and Policy

NAS: Mr. Paul Uhlir

Secure World Foundation: Dr. Michael Simpson, Ms. Laura Delgado Lopez, Mr. Brian Weeden

Department of State: Mr. Ken Hodgkins and Mr. Fernando Echavarria

USGS: Mr. Raymond Byrnes; Mr. Thomas Cecere

NOAA: Mr. Charles Wooldridge, Ms. Yana Gevorgyan, Ms. Kate Becker, and Ms. Mary Ann Kutny

Universities: Prof. Carol Song, Purdue; Dr. Bob Chen, Columbia U.; Prof. Mengxue LI, U MD; Dr. Mariel Borowitz, GA Tech; Prof. Phil Yang, George Mason U; Dr. Alana Krolikowski, Harvard; Prof. Shuming Bao, U. Michigan; Prof. Don Riley, U MD.

Institute for Defense Analysis: Ms. Anita Eisenstadt and Mr. Mitch Ambrose

PlanetiQ Corp: Mr. Dan Stillman

DigitalGlobe Corp.: Mr. Michael Rugala

China Participants (8)

1. Prof. LI Guoqing, Remote Sensing and Digital Earth Institute (RADI), Chinese Academy of Sciences (CAS)

2. Prof. FENG Qiang, RADI, CAS

3. Prof. ZHANG Yaonan, Cold and Arid Regions Environmental and Engineering Research Institute (CAREERI), CAS

4. Prof. ZOU Ziming, The National Space Science Center, CAS

5. Prof. LI Jianhui, Computer Network and Information Center (CNIC), CAS

6. Dr. WANG Xuezhi, Computer Network and Information Center (CNIC), CAS

7. Ms. LI Chang, Computer Network and Information Center (CNIC), CAS

8. Prof. ZHANG Tianyu, National Marine Environmental Forecasting Center