

NEESPI/LCLUC Science Team  
International Regional Meeting on Dryland Processes in Central Asia Under the auspices of the  
International Geosphere-Biosphere  
Jin Tai Yun Hotel  
1 Guangzhou Road  
Economic Development District  
Urumqi, Xinjiang, China  
Sept 16-21, 2007

### **Agenda**

#### ***Day 0: Saturday, September 15***

Throughout the day: Arrival, Registration

19:30 Evening Icebreaker Reception.

#### ***Day 1: Sunday, September 16***

Introductory Session – Programmatic Presentations *Chair: Jiyuan Liu*

9:30 Welcome and Introductions *Chen Xi, Jianguo Qi*

10:00 The Drylands Focus within the NEESPI Program. *Pavel Groisman*

10:30 The LCLUC Program and the Drylands Focus. *Chris Justice*

11:00 Linking NASA LCLUC and International  
(NEESPI) Interests on Land Cover and Land Use in Drylands *Garik Gutman*

11:30 Break

Science Presentations: Scientific Keynote Addresses: *Chair: Panmao Zhai*

12:00 TBA *Jianguo Qi, Jiyuan Liu*

12:20 Overview of Drylands Recent Findings and New Developments in China *Chen Xi*

12:50 Overview of Drylands Recent Findings and New Developments in Central Asia and  
Mongolia: Social Science Emphasis. *Dennis Ojima*

13:10 Recent Advances in Dynamic Vegetation Modeling for Dry Regions. *Xubin Zeng*

13:30 Role of Cryosphere in the Water Cycle over Dry Regions of Northern Eurasia. *Vladimir  
Aizen*

13:50 Lunch

14:15 Poster Session *Chairs: Pavel Groisman, Chris Justice*

16:30 Break

16:45 Poster Session Resumes

17:00 Poster Overview by Poster Session Chairs

19:30 Evening Social and Local Show

***Day 2: Monday, September 17***

Science Presentations. *Chair: Pavel Groisman*

- 9:30 Overview of Hydrological Studies over Dry Regions in China. *Changmin Liu*
- 10:00 Environment and sustainable development of the Mongolian Plateau region: An Overview of International Collaboration Activities and Results. *Lin Zhen<sup>1</sup>*
- 10:30 Prolonged dry episodes over Northern Eurasia and North America: New tendencies emerging during the last 40 years. *Pavel Groisman*

11:00 Break

Science - Programmatic Presentations. (International programs) *Chair: Chen Xi*

- 11:20 Global Water System Project: Focus on Drylands. *Alex Shiklomanov*
- 11:40 iLEAPS Focus on Drylands. *Xiaodong Yan*
- 12:00 UN Convention to Combat Desertification (UNCCD) Conference of the Parties findings. *Jenifer Olson*

Presentations by NEESPI regional partners. *Chair: Jiyuan Liu/ Jiaguo Qi*

- 12:30 Climate Change Impact on the Water Resources of Uzbekistan. *Natalia Agaltseva*
- 12:45 Ecosystem Monitoring Using Space Information: Example of South Balkhash Pasture Lands. *Lyubov Lebed*
- 13:00 Central-Asian Institute for Applied Geosciences in solving problem of reduction risk disasters by the example of Kyrgyzstan *Bolot Moldobekov*
- 13:15 Impact of Climate and Water Resources Changes on Land Degradation in Tajikistan. *Alexander Finaev*

13:30 Local Field Trip including lunch and dinner to Heavenly Lake (Tian Shan)

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<sup>1</sup> Lin Zhen, Jiyuan Liu, D.Dorjgotov, O.Batkishig, Yunfeng Hu, Qinxue Wang, Yuhai Bao

***Day 3: Tuesday, September 18***

Science and Programmatic Presentations. *Chair: Garik Gutman*

9:30 Dryland Component of the GOF/GOLD project *Chris Justice*

9:50 Dryland Monitoring from Space in Central Asia. *Lea Orlovsky*

10:10 Overview of Chinese Drylands Research Planned by MAIRS. *Ailikun*

10:30 How Modern Remote Sensing Tools Can Serve the Needs of Irrigation Monitoring and Management? *Mutlu Ozdogan*

11:00 Break

11:15 Breakout Session (four groups):  
Current Research Priorities and Opportunities for Cooperation.

*Groups:*

Land Use:

Ecosystems:

Water cycle:

Modeling:

*Leaders:*

Jianguo Qi/ Lin Zhen

Jiyuan Liu/ Chen Xi

Natalya Agaltseva/ Alexander Shiklomanov

Yongjiu Dai/Dennis Ojima

Groups will be tasked to prepare/refine NEESPI Draft White Paper with a tentative title “Strategy for Dryland Studies in Northern Eurasia”

13:30 Lunch

14:10 Breakout Sessions Continue

15:30 Reports of the Group leaders. General Discussion

16:30 Break

16:45 Presentation: “Overview of Century Ecosystem Model” *Dennis Ojima*

17:30 Adjourn

19:30 Workshop Dinner

***Day 4: Wednesday, September 19***

NASA LCLUC Science Team Open Meeting

9:30 Objectives of the Session *Chris Justice*

9:50 State of the NASA LCLUC Program and Future Plans *Garik Gutman*

10:10 MODIS, NPP and Land Measurement Teams Status Report *Chris Justice*

10:30 State of MDGLS, the Data Gap Study and the Decadal Land Survey *Garik Gutman*

11:00 Break

12:10 Breakout Session: Future Directions for the LCLUC program: data products and science  
*Chris Justice*

13:30 Lunch

Training Course: Hands-On Century Eco System Models. *Dennis Ojima*

14:10 Parallel Trip: Urumqi City Tour and Xinjiang Institute Visit

**Day 5: Thursday, September 20**

**GOFC-GOLD Workshop for Northern Eurasia Regional Information Network (NERIN):  
Requirements for Observations of Landcover Dynamics in Dryland Regions of Northern Eurasia**

- 9:30 Welcome; workshop plan and objectives *Olga Krankina*
- 9:50 GOFC-GOLD Overview, New Developments, Regional Networks *Chris Justice*
- 10:20 Presentation on Kazakhstan *Dennis Ojima*
- 10:30 NERIN-Fire activities (ongoing and future) *Tatiana Loboda / Alexey Terekhov*
- 11:15 Break
- 11:30 Discussion: Regional requirements for fire monitoring *Chris Justice – Moderator, Alexey Terekhov – Rapporteur*
- 12:30 Experience and future needs in observations of landcover in dryland regions in China
- 12:30 NERIN- Land Cover overview; NELDA project *Olga Krankina*
- 12:50 China *Jiaguo Qi*
- 13:10 Kazakhstan *Nadiya Muratova*
- 13:30 Lunch
- 14:30 Experience and future needs in observations of landcover in dryland regions (continued)
- 14:30 Kyrgyzstan *Almaz Torgoyev*
- 14:50 Central Asia *Galina Stulina / Victor Dukhovny*
- 15:10 Mongolia
- 15:30 Land Cover Classification System (LCCS)
- 15:30 Brief overview *Olga Krankina*
- 15:45 Preliminary Evaluation of LCCS application to dryland regions *Alexey Terekhov*
- 16:00 Challenges of change detection in dryland regions *Dennis Ojima*
- 16:15 Comments by workshop participants
- 16:30 Break
- 16:45 General Discussion (*Jiaguo Qi – Moderator; Olga Krankina – Rapporteur*)
- Regional requirements and data needs for monitoring land cover
- Planning future activities
- East Asia Network
- Opportunities for extending NERIN network activities into dryland regions
- Opportunities to train and support young scientists
- 18:00 Discussion summary, future steps, and wrap-up
- Fire – *Alexey Terekhov / Tatiana Loboda*
- Landcover - *Olga Krankina / Jiaguo Qi*

## **Day 6 Friday, September 21 (Optional)**

08:30 Post Meeting Trip:

Bus will leave hotel to Turpan basin in the morning around 8:30am and will make stops at various tourist spots:

Grapes Garden: <http://www.travelchinaguide.com/cityguides/turpan.htm> or  
<http://www.silkroadcn.com/turpaninfo.htm>

Ancient City of Jiohe

(<http://www.travelchinaguide.com/attraction/xinjiang/turpan/jiaohe.htm> )

Kan Er Jing: Ancient Hydro project: <http://www.xjts.com/jd-kanerjing.htm>

Other places: TBD.

09:30 Training Course in Century Ecosystem Modeling (continued, 1/2 day, optional)