

## The NEESPI / LCLUC Drylands Meeting

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, Jiaguo Qi*

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

10:20 The LCLUC Program and the Drylands Focus. *Chris Justice*

10:30 Linking NASA LCLUC and International  
(NEESPI) Interests on Land Cover and Land Use in Drylands *Garik Gutman*

11:00 Break

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

11:20 Overview of Drylands Recent Findings and New Developments: Physical Science  
Emphasis. *Jiyuan Liu*

11:45 Role of Cryosphere in the Water Cycle over Dry Regions of Northern Eurasia. *Vladimir  
Aizen*

12:00 Overview of Drylands Recent Findings and New Developments in China: Social Science  
Emphasis. *Chen Xi*

12:20 Overview of Drylands Recent Findings and New Developments in Central Asia and  
Mongolia: Social Science Emphasis. *Dennis Ojima*

13:00 Recent Advances in Dynamic Vegetation Modeling for Dry Regions. *Xubin Zeng*

13:30 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 Dinner

***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 Problems of Using, Monitoring and Protection of Land-Water Resources of  
the Aral Sea Basin. *Rashid Kulmatov*

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: 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 Reduction of Risks Of Environmental Disasters in Central Asia. *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 (13:30-22:00)

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

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

Science and Programmatic Presentations. *Chair: Garik Gutman*

9:30 Dryland Component of the GOFD/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/Xi Chen

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 Afternoon session on ecosystem modeling tutorial will include hands on exercises on running the Century ecosystem model and evaluating out put of steppe ecosystem types.

If you have a laptop that you can use for the afternoon session that will be useful. CD's with pertinent software and information will be provided.

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

**Day 5: Thursday, September 20**

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 GOFC-GOLD activities in China and East Asia Network *Liqin Shao/Mengxue Li*  
10:50 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*
- 12:20 Experience and future needs in observations of landcover in dryland regions  
*Jiyuan Liu - Chair*  
12:30 China (including afforestation program) *Jiaguo Qi/ Jiyuan Liu*  
12:50 Kazakhstan *Nadiya Muratova*  
13:10 Monitoring and environmental challenges of dry lands in Mongolia *Tsolmon Renchin*
- 13:30 Lunch
- 14:10 Experience and future needs in observations of landcover in dryland regions (continued)  
*Jiyuan Liu - Chair*  
14:10 Kyrgyzstan *Almaz Torgoyev*  
14:35 Central Asia *Galina Stulina / Victor Dukhovny*  
15:00 NERIN – Land Cover overview; NELDA project *Olga Krankina*
- 15:30 Training Session on LCCS: Application in Dryland Regions (*FAO rep.* )  
Discussion and Preliminary Evaluation by Regional Experts *Dennis Ojima*
- 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 / Chris Justice*  
Landcover - *Olga Krankina / Jiaguo Qi*
- 19:30 Potential Social in the evening (local show)

## **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)