

The NEESPI / LCLUC Drylands Meeting
Jin Tai Yun Hotel
1 Guangzhou Road
Economic Development District
Urumqi, Xinjiang, China
Sept 16-21, 2007

Draft Agenda

Day 0: Saturday, September 15

Throughout the day: Arrival, Registration

6:30 Evening Icebreaker Reception.

Day 1: Sunday, September 16

1. Introductory Session – Programmatic Presentations *Chair: Jiyuan Liu*

9:00 Welcome and introductions *Chen Xi, Jianguo Qi*

9:30 The Drylands Focus within the NEESPI Program. *Pavel Groisman*

9:50 The LCLUC Program and the Drylands Focus. *Chris Justice*

10:10 Linking NASA LCLUC and international
(NEESPI) interests on LCLUC in Drylands *Garik Gutman*

10:30 Break

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

10:50 Overview of Drylands Recent Findings and
New Developments: Physical Science Emphasis *Jiyuan Liu*

11:20 Role of Cryosphere in the Water Cycle over Dry Regions of Northern Eurasia. *Vladimir
Aizen*

11:50 Overview of Drylands Recent Findings and New Developments in China: Social Science
Emphasis *Chen Xi*

11:50 Overview of Drylands Recent Findings and New Developments in Central Asia and
Mongolia: Social Science Emphasis *Dennis Ojima*

12:30 Recent advances in dynamic vegetation modeling for dry regions. *Xubin Zeng*

1:00 Lunch

2:00 Poster Session *Chairs: Pavel Groisman, Chris Justice*

3:30 Break

3:45 Poster Session Resumes

5:00 Posters' Overview by Poster Session Chairs

6:30 Evening Social and Dinner

Day 2: Monday, September 17

3. Science Presentations. *Chair: Pavel Groisman*

- 9:00 Scientific Keynote Address 5. Land Use and Water Cycle interactions in dry Regions of Northern Eurasia. TBD
- 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 Zhen¹*

10:00 Break

4. Science - Programmatic Presentations. (International programs) *Chair: Panmao Zhai*

- 10:50 Global Water System Project: Focus on Drylands. *Alex Shiklomanov*
- 11:10 iLEAPS Focus on Drylands. *Xiaodong Yan*
- 11:30 UN Convention to Combat Desertification (UNCCD) Conference of the Parties findings. *Jenifer Olson*

11:50 Break

Presentations by NEESPI regional partners. Chair: Jianguo Qi

- 12:00 Climate change impact on the water resources of Uzbekistan, *Natalia Agaltseva*
- 12:15 Climatic changes and its impact on crops in Northern Kazakhstan, *Lyubov' Lebed'*
- 12:30 Reduction of risks of environmental disasters in Central Asia, *Bolot Moldobekov*
- 12:45 Impact of climate and water resources changes on land degradation in Tajikistan, *Alexander Finaev*

5. Local Field Trip including lunch and dinner (1:00pm-10:00pm)

Reserved talk: Integrated Interdisciplinary Research on Ecological and Economic Problems in the Aral Sea Region of Uzbekistan. *Martius/Lamers*

¹ 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*

9:00 Dryland Component of the GOF/GOLD project – *Chris Justice*

9:20 Dryland monitoring from space in Central Asia. *Lea Orlovsky*

9:40 Overview of Chinese Satellite Data for Drylands Research. *Liqin Shao*

10:00 How Modern Remote Sensing Tools Can Serve the Needs of Irrigation
Monitoring and Management? *Mutlu Ozdogan*

10:20 Break

Breakout Session (four groups):

10:40 – 12:15 Current Research Priorities and Opportunities for Cooperation.

Groups:

Leaders:

Land Use:

Jianguo Qi/ Lin Zhen

Ecosystems:

Jiyuan Liu/Xi Chen

Water cycle:

Natalya Agaltseva/ Alexander Shiklomanov

Modeling:

Yongjiu Dai/Dennis Ojima

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

Lunch (12:15 –1:30)

1:30 Breakout Sessions Continue

2:30 Reports of the Group leaders. General Discussion

3:10 Break

3:30 Presentation: “Overview of Century Ecosystem Model” *Dennis Ojima*

5:30 Adjourn

7:30 Workshop Dinner

Day 4: Wednesday, September 19

7. NASA LCLUC Science Team Open Meeting

9:00 Objectives of the Session – Chris Justice

9:20 State of the NASA LCLUC Program and Future Plans – Garik Gutman

9:40 MODIS, NPP and Land Measurement Teams Status Report – Chris Justice

10:00 State of MDGLS, the Data Gap Study and the Decadal Land Survey – Garik Gutman

10:20 Coffee Break

10:40 Breakout Session: Future Directions for the LCLUC program: data products and science –
Chris Justice

12:15 Lunch

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

1:30 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.

1:30 Parallel Field Trip: TBD

Day 5: Thursday
September 20, 2007

REQUIREMENTS FOR OBSERVATIONS OF LANDCOVER DYNAMICS IN DRYLAND REGIONS OF NORTHERN EURASIA

9:00 Welcome; workshop plan and objectives - Olga Krankina

9:20 GOFC-GOLD Overview, New Developments, Regional Networks – Chris Justice

9:50 GOFC-GOLD activities in China and East Asia Network - Liqin Shao/Mengxue Li

10:20 NERIN-Fire activities (ongoing and future) - Tatiana Loboda / Alexey Terekhov

10:45 Break

11:00 – 12:00 *Discussion : Regional requirements for fire monitoring (Chris Justice – Moderator, Alexey Terekhov – Rapporteur)*

12:00 – 13:00 *Experience and future needs in observations of landcover in dryland regions - Jiyuan Liu - Chair*

China (including afforestation program)- Jiaguo Qi/ Jiyuan Liu

Kazakhstan - Nadiya Muratova

Monitoring and environmental challenges of dry lands in Mongolia - Tsolmon Renchin

13:00 Lunch

14:00 – 15:00 *Experience and future needs in observations of landcover in dryland regions (continued) - Jiyuan Liu - Chair*

Kyrgyzstan - Almaz Torgoyev

Central Asia - Galina Stulina / Victor Dukhovny

NERIN – Land Cover overview; NELDA project - Olga Krankina

15:00 – 16:00 Training Session on LCCS: Application in Dryland Regions (FAO rep.)

Discussion and Preliminary Evaluation by Regional Experts (Dennis Ojima)

16:00 Break

16:15 - 17:30 **General Discussion** (Jiaguo Qi – Moderator; Olga Krankina – Rapporteur)

- Regional requirements and data needs for monitoring land cover

- Planning future activities

- o East Asia Network

- o Opportunities for extending NERIN network activities into dryland regions

- o Opportunities to train and support young scientists

17:30 – 18:00 Discussion summary, future steps, and wrap-up

Fire – Alexey Terekhov / Chris Justice;

Landcover - Olga Krankina / Jiaguo Qi

6:30 Potential Social in the evening (local show)

Day 6 Friday, September 21

11A: Post Meeting Trip A (Optional):

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

Grapes 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.

11B: Training Course in Century Ecosystem Modeling (continued, 1/2 day, optional)