

PROGRAM

February 1 (Sunday)

Opening Session

- 10:00-10:10 Opening Remarks; **Masayoshi Nakawo**, NIHU
- 10:10-10:20 Objectives of the Workshop; **Jumpei Kubota**, RIHN
- 10:20-11:10 Keynote Address
Late Holocene Environmental Change in the Aral Sea Region
Ian Boomer, University of Birmingham, UK
- 11:10-11:20 Coffee break:

Session 1: Human Adaptation to Changes of the Environment and Social Systems

- 11:20-11:50 Culture of Zhetisu in Antiquities and Middle Ages
Karl Baipakov, Institute of Archaeology, Kazakhstan
- 11:50-12:15 Archaeological Survey on the Alluvial Fan of Turgen River in Kazakhstan, 2008
Takura Izumi, Kyoto University
- 12:15-13:30 Lunch
- 13:30-13:55 Comparative Study of the Medieval Urbanization of the Talas, Chu and Ili River Basins
Renato Sala, Kazakhstan Scientific Research Institute on Problems of the Cultural Heritage on Nomads, Kazakhstan
- 13:55-14:20 Case Study of “Monuments of Otrar Oasis in Their Settings: Investigation of Irrigation System and Cultural Landscape” Project
Dimitry Voyakin, Institute of Archaeology, Kazakhstan
- 14:20-14:50 Analysis of the Hydraulics of the Irrigation Canals of Otrar, Kazakhstan
Derek Clarke, University of Southampton, UK

Coffee break: 14:50-15:00

Session 2: Reconstruction of the Environmental Change in Central Asia Analyzed by Various Proxies

- 15:00-15:30 Dendroclimatic Reconstructions from Central Asia
David Frank, Swiss Federal Research Institute WSL, Switzerland
- 15:30-15:55 Tree-ring Chronology of the Last Seven Centures in Glacier Engilchek Area, Tien Shan, Kyrgyzstan Republic
Olga Maximova, Institute of Geography, Russia

- 15:55-16:20 Reconstruction of Climate and River Discharge in the Last 1000 Years Based on Mountain Ice Core Data in the Central Asia
Nozomu Takeuchi, Chiba University
- 16:20-16:50 Prehistorical and Historical Stages of Development of the Balkhash Lake
Bolat Aubekerov, Institute of Geological Sciences, Kazakhstan
- 16:50-17:15 Reconstruction of Lake Level Change and Paleo-environment Using the Core from Balkhash Lake, Kazakhstan
Kunihiko Endo, Nihon University
- 17:15-17:25 Coffee break:
- 17:25-18:00 **General Discussion**
Discussant; **Toshio Hayashi**, Soka University
Chiyuki Narama, RIHN
- 18:30 Reception

February 2 (Monday)

Session 3: Interactions between Human Activities and the Environment in the Context of Historical Transitions in Subsistence

- 9:00-9:30 Problems of Historic Studies on the Economical and Cultural Development in the Ili River Watershed and South Balkhash Lake Area in the Late Middle Ages and Modern Times
Irina Yerofeyeva, Kazakhstan Scientific Research Institute on Problems of the Cultural Heritage on Nomads, Kazakhstan
- 9:30-9:55 An Investigation of the Winter and Summer Campsites of Great Küre and the Nomadic Sites of Küre Warehouse of the Oirat Mongols
Borjigitai Oyunbilig, Renmin University of China
- 9:55-10:20 Land and Water Use in the Ili-Balkhash Basin from Paleolithic to Modern Times
Jean-Marc Deom, Kazakhstan Scientific Research Institute on Problems of the Cultural Heritage on Nomads, Kazakhstan
- 10:20-10:30 Coffee break
- 10:30-10:55 The *Nukte* of Ili
Kicengge, RIHN
- 10:55-11:20 The Ili Valley under the Russian Rule (1871-81): Between the Great Game and the Local Development
Jin Noda, Toyo Bunko (Oriental Library)
- 11:20-11:45 A Note on the History of *Jut* in Kazakhstan: Climatic Factors in Massive Loss of Livestock
Tomohiko Uyama, Hokkaido University

11:45-12:10 Power Models in Nomadic Pastoralists' Societies of Central and Inner Asia: a Historical Perspective
Irina Morozova, IIAS

12:10-13:30 Lunch

Session 4: Balancing Resource Development and Preservation in Arid and Semi-arid Regions

13:30-14:00 Some Stages of Ecological (Environmental) History of Ili-Balkhash Region (Soviet Period)
Zhulduzbek Abylkhozhin, Institute of History and Ethnology, Kazakhstan

14:00-14:25 Legacies and Ruins of Socialist Modernization in Almaty Region, Republic of Kazakhstan.
Mitsuko Watanabe, RIHN

14:25-14:50 Genesis and Present State of Fauna of Ili-Balkhash Region, Kazakhstan
Roman Jashenko, Institute of Zoology, Kazakhstan

14:50-15:10 Coffee break

15:10-15:35 Land and Water Use for Irrigated Agriculture in the Lower Ili River Basin, Kazakhstan
Katsuyuki Shimizu, Tottori University

15:35-16:00 Distribution Patterns of Soils and Vegetation in Foothills of Tianshan and Altai Mountains in Central Eurasia
Shinya Funakawa, Kyoto University

16:00-16:25 What Has Happened with Central Asian Snow and Glacier Water Resources in the Last 100 Years?
Vladimir Aizen, University of Idaho, USA

16:25-16:50 Calm before the Storm: the Legacy of Ideology-driven Agricultural Development in Kazakhstan
Kenichi Abe, RIHN

16:50-17:00 Coffee break

17:00-18:00 **Discussion and Conclusion**
Discussant; **Manon Osseweijer**, IIAS
Ta Wanquan, Cold and Regions Environmental and Engineering Research Institute, China
Norio Ishida, Kyoto Gakuen University