International Workshop
The Rise and Fall: Environmental Factors in the Socio-Cultural Changes of the Ancient Silk Road Area

1st day: Thursday, Sept. 28, 2017

8:30-9:00 Registration

Session 1: Historic China towards the west Chair: Liang E. Yang
9:00-9:20 Welcome and Introduction Prof. Josep Wiesehöfer, Prof. Johannes Müller
9:20-9:45 On the social impacts of climate change in the historic China Prof. Dr. Xiuqi Fang, Beijing Normal University, P.R. China
9:45-10:10 The expansion of the Chinese empire to the west and the resulting deterioration of lakes during the Han Dynasty Prof. Dr. Steffen Mischke, University of Iceland, Reykjavik
10:10-10:35 Kashmir Valley and the Ancient Silk Road: multi-proxy investigation in an ecocultural niche Mr. Michael Spate (PhD candidate), Dept. of Archaeology, University of Sydney

10:35-11:00 Coffee break

Session 2: Central Asia as Silk Road node Chair: Millinda Hoo
11:00-11:25 Climate change and the rise of the central Asian Silk Roads Dr. Daniel J. Hill, School of Earth and Environment, University of Leeds, UK
11:25-11:50 Non-linear dynamics in Gandhara: Bridging cultural and environmental development along the ancient Silk Roads Dr. Marike E.J.J. van Aerde, Faculty of Archaeology, Leiden University, Netherlands
11:50-12:15 A drought reconstruction of northwestern Kyrgyzstan indicates relationships between hydroclimatic changes and social unrest in Central Asia Dr. Feng Chen, Institute of Desert Meteorology, China Meteorological Administration, Urumqi, China

11:30-12:00 Lunch break

Session 3: Changes of water & agriculture Chair: Josep Wiesehöfer
12:15-12:45 Age and origin of Karez irrigation systems along the silk road in the Turpan basin, Xinjiang, China Dr. Stefan Hecht, Geographisches Institut, Universität Heidelberg, Germany
12:45-13:20 The Ili River Delta: Holocene hydrogeological evolution and evidence of bronze age colonization by vertical migrations Dr. J.-M. DEOM, Laboratory of Geoarchaeology, Al-Farabi Kazakh National University, Faculty of History, Archaeology and Ethnology, Kazakhstan
13:20-14:05 Human stable isotopes and dietary reconstruction between urban and nomadic communities Mr. Taylor Hermes (PhD candidate), GSHDL, Kiel University, Germany

13:45-14:10 Coffee break

Session 4: Climate, disaster and impacts Chair: Josep Wiesehöfer
14:10-14:35 The fall of the Oxus civilization (Bronze Age, southern Central Asia) and the climate change Dr. Elise Luneau, CNRS-UMR 8215, France
14:35-15:10 Paleoclimatic change, disaster history and the urbanscape development in Athens Dr. Liang Emlyn Yang, GSHDL, Kiel University, Germany
15:10-15:30 Living with earthquakes along the Silk Road Prof. Dr. Miklos Kazmer, Eötvös University, Department of Palaeontology, Hungary
15:30-16:00 Glacio-archaeological evidence of human survival in glacier end moraine complex during the Little Ice Age in Miyar Basin, Lahul Himalaya, India Dr. Rakesh Saini, Applied Geography, Dr. Harisingh Gour Central University, India

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18:30 Dinner
At the LOUF Restaurant, Kiel

2nd day: Friday, Sept. 29, 2017

8:45-9:00 Morning Coffee

Session 5: Climate links to social evolution Chair: Millinda Hoo
9:00-9:25 The Coming of the Barbarians: Can Climate explain the Saljuqs’ advance? Prof. Dr. Yehoshua Frenkel, Haifa University, Israel
9:25-9:50 Climatic and Environmental Limiting Factors in the Mongol Empire’s Westward Expansion: A Discussion of Büntgen and di Cosmo’s “Environmental Hypothesis” for the Mongol Withdrawal from Europe in 1242 Mr. Stephen Pow (PhD candidate), Central European University, Hungary

10:10-10:40 Coffee break

Session 6: Lake/sea regions to the recent Chair: Liang E. Yang
10:40-11:05 Evaluation of the ratio of natural and anthropogenic forcing in the regression of the Aral sea during the medieval warm period Dr. Renato Sala, Laboratory of Geoarchaeology, Al-Farabi Kazakh National University, Kazakhstan
11:05-11:30 Water Environment and the Human-environment Relationship in The Northern Catchment of Erhai Lake (1368-1912) Ms. Aming Xu (PhD candidate), Fudan University, China
11:30-11:55 Critical investigation of the regeneration of Silk Road with executing 2 Mega-Projects in Iran and Pakistan coastal zone. Mr. Faraz Nikpour (Master student), Kiel University, Germany

12:00-14:00 Lunch seminar
On joint publishing and project cooperation