

Final agenda for CARIN virtual meeting May 6-7, 2021

Hosted online by START (<https://start.org>) using ZOOM. **Register through this link:**
<https://us02web.zoom.us/j/84411111111>

Day One: Thursday May 6, 2021

START: 0800 EDT (Berlin 1400; Dushanbe 1700; Bishkek 1800; Ulaanbaatar 2100)

0800 EDT Opening remarks by **Dr. Geoff Henebry**, CARIN US coordinator & moderator (5 min)

0805 Dr. Garik Gutman (NASA HQ/LCLUC Program) on NASA's LCLUC Program (10 min)

0815 Dr. Krishna Vadrevu (GOFC-GOLD Network Lead) on GOFC-GOLD Regional Networks (5 min)

0820 Dr. Geoff Henebry (Center for Global Change and Earth Observation, Michigan State University) "Trends & hotspots across Central Asia revealed by earth observation" (20 min)

0840 Dr. Maksim Kulikov (Mountain Societies Research Institute, University of Central Asia, Kyrgyzstan) "Vegetation trend analysis in Tajikistan and Kyrgyzstan borderlands" (15 min)

0855 Dr. Zafar Gafurov (International Water Management Institute, Uzbekistan) "Spatio-temporal variation of vegetation coverage in the Aral Sea Basin using remote sensing information" (15 min)

0910 PhD Candidate **Kanat Samarkhanov** (Xinjiang Institute of Ecology and Geography, Chinese Academy of Sciences) "Land cover dynamics during 2000-2018: Kazaly Irrigation Zone, Kazakhstan" (15 min)

0920 Dr. Xin Xi (Michigan Tech University, USA) "Mapping and modeling desertification and its impact on aeolian dust and human health in Central Asia" (10 min)

0930 Group Photo & Break (10 min)

0940 Reconvene for instructions on Breakout activity (10 min)

0950 Breakout Groups to identify and discuss key regional challenges: (1) **Agriculture & Food**; (2) **Natural Hazards**; (3) **Water Resources**; (4) **Urban/Urbanization Issues** (45 min)

1035 Headlines from Breakout Groups: 5 min each = 20 min

1055 Dr. Geoff Henebry, close of Day One and looking ahead to Day Two (5 min)

END: 1100 EDT (Berlin 1700; Dushanbe 2000; Bishkek 2100; Ulaanbaatar 0000)

Questions? Geoff Henebry (henebryg@msu.edu) or Zheenbek Kulenbekov (kulenbekov_z@auca.kg) or Mirasil Mirzoev (mirasilfazo@gmail.com).

CARIN website: <https://centralasiarin.net>

Day Two: Friday May 7, 2021

START: 0800 EDT (Berlin 1400; Dushanbe 1700; Bishkek 1800; Ulaanbaatar 2100)

0800 EDT Opening remarks by CARIN Regional Coordinators and moderators **Dr. Zheenbek Kulenbekov**, American University of Central Asia, and **Dr. Mirasil Mirzoev**, Tajik Agrarian University (5 min each)

0810 Dr. Pavel Groisman (NC State University Research Scholar, NOAA National Centers for Environmental Information) “Changing climates across Central Asia” (20 min)

0830 Dr. Mirasil Mirzoev (Dean of Land Management and Geodesy Faculty, Tajik Agrarian University), “Forecasting the reclamation state of irrigated lands under conditions of changing climatic factors and developed economic activity” (15 min)

0845 Dr. Lira Sagynbekova (Independent Scholar), “The impact of migration on rural livelihoods: A case study of Kyrgyzstan” (15 min)

0900 Dr. Maira Kussainova (Head of the Center for Sustainable Agriculture, Kazakh National Agrarian Research University), “Effects of excessive water use and agricultural intensification on Aral Sea shrinkage: SES dynamics within the Syr Darya River Basin” (15 min)

0915 Dr. Jiquan Chen (Michigan State University), “State and change of the social-environmental systems across the Asian Drylands Belt (ADB)” (15 min)

0930 Group Photo & Break (10 min)

0940 Charge to Breakout Groups (5 min)

0945 Thematic Breakout Groups work on their reports (30 min)

1015 Presentation of Breakout Groups reports (10 min each)

1055 Dr. Krishna Vadrevu (GOFC-GOLD Network Lead) on steps forward (10 min)

1105 Dr. Garik Gutman (NASA LCLUC Program Manager) closing remarks (5 min)

1110 Meeting closure by Dr. Geoff Henebry (MSU)

END: 1110 EDT (Berlin 1710; Dushanbe 2010; Bishkek 2110; Ulaanbaatar 0010)

Questions? Geoff Henebry (henebryg@msu.edu) or Zheenbek Kulenbekov (kulenbekov_z@auca.kg) or Mirasil Mirzoev (mirasilfazo@gmail.com).

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