

GEOGRAPHISCHES KOLLOQUIUM DER UNIVERSITÄT GÖTTINGEN

Einladung zum Online-Vortrag am 30.11.2021 um 16:15 Uhr

Prof. Jiquan Chen

Institute of Geography, University of Michigan, US

„Sustainability Challenges for the Social-Environmental Systems across the Asian Drylands Belt“

The Asian Drylands Belt (ADB) covers 10.3% of global land area and 30% of total global drylands (>15 million km²). the ADB is confronted with a unique set of environmental and socioeconomic changes including water shortage-related environmental challenges and dramatic institutional changes since the collapse of the USSR. The social-environmental systems (SES) of the ADB is assessed using a conceptual framework rooted in the three pillars of sustainability science: social, economic and ecological systems. The complex dynamics are explored with biophysical, socioeconomic, institutional, and local context-dependent mechanisms with a focus on institutions and land use land cover change as important drivers. With brief introduction of the ADB's history, I present five pressing, practical challenges for the sustainability of the SES: (1) Reduced water quantity and quality under warming, drying, and escalating extreme events, (2) Continued, if not intensifying, geopolitical conflicts, (3) Volatile, uncertain, and shifting socioeconomic structures, (4) Volatile, uncertain, and shifting socioeconomic structures, and (5) Globalization and cross-country influences.



Weitere Infos unter: <https://www.uni-goettingen.de/de/21739.html>

BigBlueButton-Link: <https://meet.gwdg.de/b/tle-axk-2aq-nbj>

Im Auftrag des Vorstandes des Geographischen Instituts

Prof. Dr. Daniela Sauer