



INAUGURAL LECTURE

Moving Toward Just and Sustainable Land Systems. Advancing the Observation and Modeling of Land-System Change

Professor Alexander Prishchepov will introduce
his research on Land System Science

10th April 2026 at 13:00

Niels Bohr Auditorium, Risø, Frederiksborgvej 399, 4000 Roskilde



Alexander Prishchepov has been appointed as Professor of Land System Science (Remote Sensing and Land Use Modeling) for Atmospheric Emission Monitoring and Modelling at the Department of Environmental Science, Aarhus University, as of 1st of February 2026.

Land use is a major driver of change on the Earth's terrestrial surface, with profound implications for climate regulation, biodiversity, food production, and human livelihoods. Understanding these dynamics and identifying pathways to guide more just land uses are central to the emerging field of Land System Science.

Alexander Prishchepov reflects on nearly two

decades of research conducted during a period of rapid transformation in how we observe and analyze the Earth, and in how we reveal the drivers and implications of land system change.

Advances in multisource Earth Observation, machine learning, cloud computing, and integrative modeling have enabled us to better understand the planet's detailed human footprint. These advancements also helped to reveal the role of local and distant connections, complexity, irreversibility, and path dependence, among other factors that shape the terrestrial world as we know it.

Looking ahead, Alexander Prishchepov highlights ongoing and planned research aimed at informing solutions to some of the most pressing land-use challenges of our time, including pathways toward more sustainable and just land systems and stronger scientific foundations for governing land.

The department would like to invite you to the inaugural lecture at 13:00, followed by a reception around 14:00 in the foyer.
Registration via **THIS LINK** no later than 26nd March 2026.