

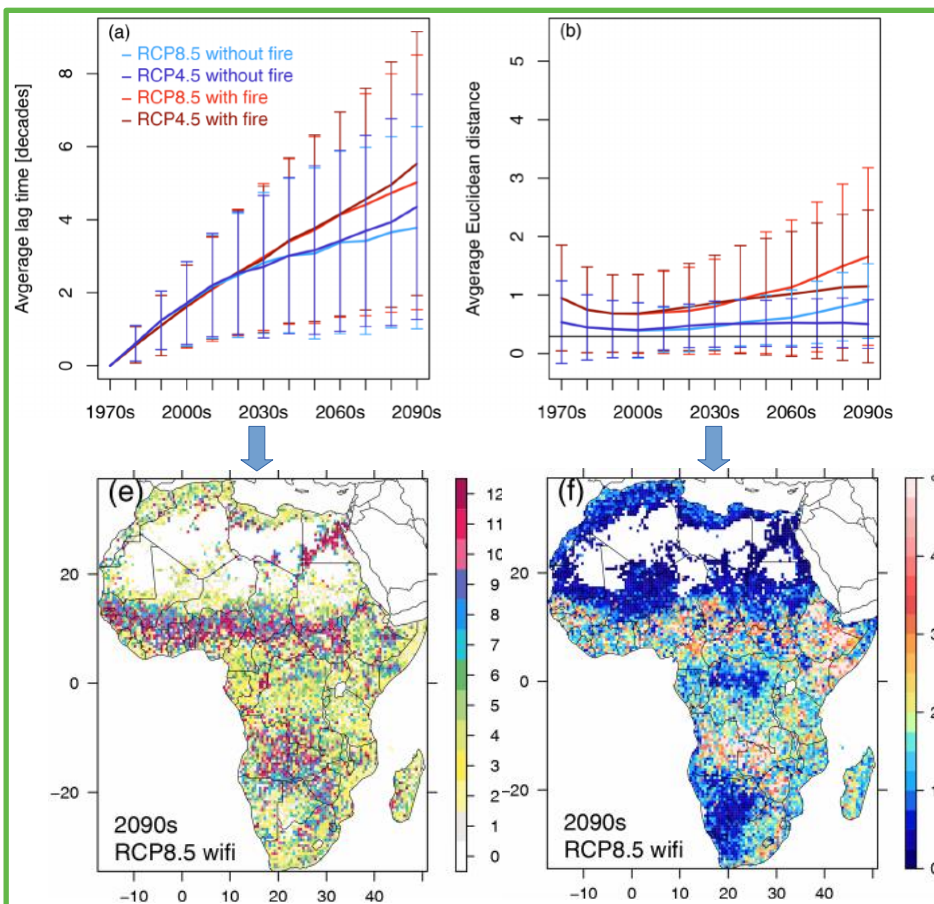
SALLnet – South African Limpopo Landscapes Network

Seminar

Mirjam Pfeiffer (Senckenberg Biodiversity and Climate Research Centre)

Climate change will cause non-analog vegetation states in Africa and commit vegetation to long-term change

Lags caused by delayed vegetation response to changing environmental conditions can lead to disequilibrium vegetation states. Awareness of this issue is relevant for ecosystem conservation. We used the aDGVM vegetation model to quantify the difference between transient and equilibrium vegetation states in Africa during the 21st century for two potential climate trajectories. Lag times increased over time. In addition, vegetation was non-analog to any equilibrium state due to multi-lag composite states. Therefore, conservation efforts need to consider that observed vegetation must be expected to continue changing substantially even after stabilization of external environmental drivers.



Contact:
[SALLnet Coordination](#)

**Thursday, 15 April 2021, 12:00 CET/SAST
Online**