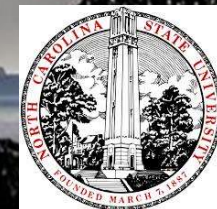


ELVIC: Climate Extremes in the Lake Victoria Basin

KU LEUVEN

UNIVERSITY OF LEEDS

SMHI



ELVIC: Climate Extremes in the Lake Victoria Basin



Region

One of world's convectively most active regions:
very vulnerable to heavy precipitation, heat
waves, severe droughts and wind storms

FPS tool

Coordinate ensemble climate projections
at the Convection-Permitting scale



Project goals

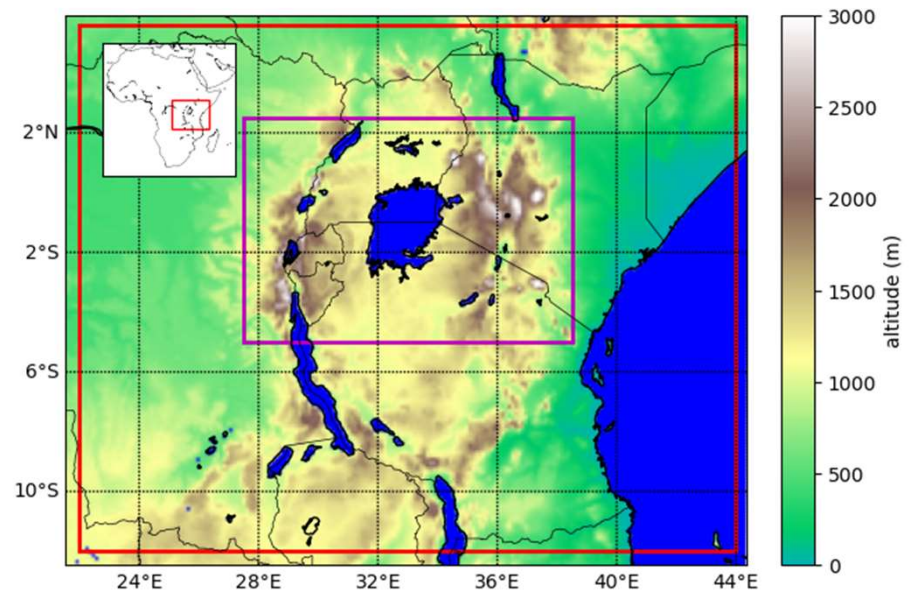
- Assess added value of Convection-Permitting
- Project evolution of future climate extremes
- Provide information to impact community

More information

<https://ees.kuleuven.be/elvic/>
jonas.vandewalle@kuleuven.be & nicole.vanlipzig@kuleuven.be

ELVIC: main protocols

- Evaluation simulation: 2005-2016
- Driver: ERA-Interim (ERA5 optional)
- Nesting: global – 12 km – 2.8 km
- Lake model coupled
- <https://ees.kuleuven.be/elvic/protocols/>



Evaluation of precipitation – Preliminary Analysis

CPM for 2006-2009

