

CliMigHealth Expert Seminar **A Climate Change Atlas for Africa to Guide Tree Planting in the Continent**

By Roeland Kindt - World Agroforestry, CIFOR-ICRAF

February 20, 2023, 11:00 -12:00 UTC+01:00

Recently CIFOR-ICRAF produced a Climate Change Atlas for African trees. The atlas shows the contemporary and future habitat distribution for 127 tree species selected for tree-based forest landscape restoration in Ethiopia, where many of the selected species are important agroforestry species across the African continent. Future distributions were predicted for the middle of the 21st century for two different scenarios, a low emissions scenario (Shared Socioeconomic Pathway SSP 1-2.6) and a high emissions scenario (SSP 3-7.0), and for nine Global Climate Models. The seminar will explain some of the methods and data preparation steps that were used to create the atlas. Although focusing on the climate atlas, Roeland will also briefly discuss standardized precipitation and precipitation-evapotranspiration indices, used to investigate historical and future drought frequencies.



Roeland Kindt is a senior ecologist at World Agroforestry's Tree Productivity and Diversity Theme (TREEs Theme). His research is on tree species suitability modelling and mapping, combining ensemble suitability modelling algorithms (integrated in the Biodiversity R package that has been installed > 240,000 times since 2012) with information on distribution and species assemblages of potential natural vegetation types found in interactive mapping tools including the Vegetationmap4Africa, Useful Tree Species for Africa, What to Plant Where in Ethiopia portals , the Africa Tree

Finder and climate change atlases for Central America and Africa.
<https://www.worldagroforestry.org/staff/roeland-kindt>

PRACTICAL INFORMATION

February 20, 2023, 11:00-12:00 UTC+1

[Click here to join the virtual seminar \(will be video recorded\)](#)

Meeting ID: 340 092 423 250; Passcode: oT3JnN

General questions: charlotte.scheerens@ugent.be