



**Position**

Research Scientist

**Institution**

IGAD Climate Prediction  
and Applications Centre  
(ICPAC)

**Country**

Ethiopia

**Education**

PhD, Atmospheric Science,  
University of Cape Town,  
South Africa

**Mentor**

Mr. Gideon Galu, Regional  
Scientist - East Africa, U.S.  
Geological Survey (USGS)

**Research Area**

Improving understanding  
of the climate variability  
and change

## Hussen Seid Endris

2019 One Planet Laureate Candidate

Hussen Seid Endris was born in Kombolcha, in the north-eastern region of Ethiopia. He is the last born in a family of eight children. A father of one, he describes himself as a polite, enthusiastic, and hardworking person.

His motivation comes from the love he has for climate science. "If you don't like what you do, you can't accomplish what you set out to do," he said.

His PhD research focused on analysis of the current and future rainfall variability and change in East Africa.

More specifically, his research examined the representation of teleconnective drivers of rainfall over Eastern Africa in global and regional climate models in the present-day period, and whether these present teleconnection patterns (i.e., relationships) will change in future under increased greenhouse gas scenarios.

Endris, who speaks passionately about climate change, is currently working as a Postdoctoral Research Scientist at the IGAD Climate Prediction and Applications Centre (ICPAC) in Nairobi, Kenya.

His research interests are generally in the area of climate modelling and regional climate variability and change. He is particularly interested in downscaling regional climate forecasts and longer-term projections to national, sub-national and local levels to improve weather and climate products.

Endris is also interested in building the capacity of young regional climate scientists in climate modeling and prediction, downscaling and interpreting climate information and communicating uncertainty.

He has published peer-reviewed journal articles as lead author and co-author and has reviewed several articles.

He is also one of the contributing authors to the Inter-governmental Panel on Climate Change (IPCC) fifth and sixth assessment report (AR5 and AR6) on the climate section of the Africa chapter.

Endris shared that he has not had much opportunity to work directly with rural communities although the research he has done is impacting communities by generating knowledge.

Endris wants to advance the use of climate information to aid in decision making in Africa. He says that a reliable climate information system will facilitate the policy implementation and action required to minimize the impact of climate change.

For example, he was involved in a climate change vulnerability assessment on three Kenya water towers namely Mau Forest, Cherangany Hills, and the Mt Elgon. The study found that there is a big threat especially in Mau Forest where there is widespread deforestation.

He is concerned that scientists mostly do complex things involving coding, programming, and analysis of large datasets but most of them do not know how to communicate the findings of their research.

The reports they publish are too technical, and cannot be understood by policymakers and community members who need it the most. "If researchers are producing findings but the policymakers are not using them to make decisions, then there is no point," he said.

Endris is looking forward to using the skills gained from the Fellowship to enhance the use of information produced by ICPAC. He aspires to be one of the leading climate scientists in Africa.

He would like to help advance the use of climate information to aid in decision making in Africa.

He is concerned that while developed countries experience extreme climatic conditions, they are better prepared to respond, and reduce the impact compared to the developing nations.

A reliable climate information system will facilitate the policy implementation and action required to minimize the impact of climate change in Africa. His biggest wish is to see climate information integrated into policy and planning.

**Hussen Seid Endris** is one of the growing number of candidates selected to participate in the One Planet Fellowship. The One Planet Fellowship is a career development initiative that is building a robust pipeline of highly connected, inter-generational scientists equipped to use a gender lens to help Africa's smallholder farmers cope with climate change. The One Planet Fellowship is funded by the Bill & Melinda Gates Foundation, the BNP Paribas Foundation, the European Union and Canada's International Development Research Centre (IDRC). African Women in Agricultural Research and Development (AWARD) and Agropolis Fondation are jointly implementing the Fellowship.

Do you have any further questions? Send an email to : [oneplanet.award@cgiar.org](mailto:oneplanet.award@cgiar.org)