

Curriculum Vitae

Diriba Korecha Dadi

National Climate Scientist - Ethiopia

USGS/FEWSNET

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<u>Education:</u>	<u>Subject</u>	<u>Degree</u>	<u>Year</u>
Addis Ababa University, Ethiopia	Statistics	BSc	1986-1990
Post Graduate Diploma	Meteorology	PGD	1992-1993
Columbia University, USA	Climate and Society	MA	2004-2005
Bergen University, Norway	Meteorology		
	(the Highest Distinction)	PhD	2008-2014

PhD Thesis Title **Predictability of Seasonal Climate over Ethiopia**

Short term training

- On the job training in the field of Meteorology at the Regional WMO Meteorological Training Center, 19-28 October 2015, Ankara, Turkey
- African Climate Conference 2013 (ACC2013), 15-18 October 2013, Arusha, Tanzania
- International Training workshop and symposium on climate variability, prediction and services, 17-28 June 2013, Istanbul, Turkey
- Climate Variability and Seasonal Prediction Training Program, 19-30 November 2012, APEC Climate Center (APCC), Busan, Republic of Korea,

- Regional training on Dynamical modeling for advancing the use of regional climate models for regional down scaling for improved seasonal climate outlooks, 20-31 August 2012, IGAD Climate Prediction and Application Center (ICPAC) and UK Met Office Hadley Center, Nairobi, Kenya
- 10th EMS Annual Meeting and 8th European Conference on Applied Climatology, 13-17 September 2010, Zurich, Switzerland
- Summer Institute on climate information for Public Health, 1-14 June 2009, International Research Institute for Climate and Society, Columbia University, New York, USA
- Training on the Numerical Weather Prediction course, Cairo Regional Meteorological Training Center, from 1-30 March 2007, Cairo, Egypt
- Workshop on forecast Verification, March 1-5, 2006, ECMWF, Reading, UK
- 3/2003-4/2003, Certificate in Regional Dynamical Modeling, IRI/DMCN, Nairobi, Kenya
- 7/2002-8/2002, Certificate in Climate Information and Prediction Services (CLIPS) for Eastern and Southern Africa, WMO/DMCN, Nairobi, Kenya
- CLIPS workshop for Eastern and southern Africa, 29 July -9 August 2002, Nairobi, Kenya
- Seasonal Rainfall prediction and its application in the enhancement of food security, 26-28 April 2000, IRI, New York, USA
- International workshop on Long-range Forecasting and its Application, 23-27 January 2000, Cairo, Egypt
- 5/02/2001-23/02/2001, Certificate in Climate and Society, East-West Center, Hawaii, USA
- 5/1998-6/1998, Certificate in Climate Prediction, Institute of Meteorological Training and Research, Nairobi, Kenya

National Appointments:

- National Climate Scientist under USGS/Famine Early Warning Systems Network (FEWSNET): from 2016 to present
- National Project Coordinator for “**Strengthening climate information and early warning Systems in Africa for Climate resilient development and adaptation to climate change - Ethiopia**”, UNDP-Global Environmental Facility Project, 2013-2016
- Project Coordinator, “**Building the capacity of NMA and regional meteorological directorates to facilitate downscaling of weather and climate forecasts and warnings**”, Care-Ethiopia and NMA Project, 2014-2016

- Project Coordinator for “**Disaster Risk Reduction and Early Warning System through establishment of Meteorological Station**”, Project funded by Korea-KOICA, 2015-2016
- Guest Lecturer: Haramaya University, Ethiopia, 2013-Present.
 - Climate dynamics and climate change (Graduate)
- Guest Lecturer, Arbaminch University, Ethiopia, 2006-present.
 - Weather Analysis and Forecast (Undergraduate)
 - Climate dynamic and climate change (Graduate)
- Director, Meteorological Forecast and Early Warning Directorate, National Meteorological Agency, Ethiopia, 2011-2016.
- Team Leader of Weather Forecast and Early Warning, National Meteorological Agency, Ethiopia, 2001-2010.
- Senior Meteorologist, National Meteorological Services Agency, Ethiopia, 1997-2000.
- Meteorologist, National Meteorological Services Agency, Ethiopia, 1993-1996.
- Assistant Researcher, National Meteorological Services Agency, Ethiopia, 1991-1992.

International Appointments

- Intergovernmental Panel on Climate Change (IPCC) Focal Person for Ethiopia, 2012-2016
- Intergovernmental Panel on Climate Change (IPCC) Bureau member and Vice Chair for WGIII, 2015-2023

Publications:

Chris Funk, Laura Harrison, Shraddhanand Shukla, Andrew Hoell, **Diriba Korecha**, Tamuka Magadzire, Gregory Husak, and Gideon Galu, (2016): Assessing the Contributions of Local and East Pacific Warming to the 2015 Droughts in Ethiopia and Southern Africa, American Meteorological Society, 10.1175 /BAMS-D-16-0167.2, pp 575-580

Adugna W., D. Jima, W. Deressa, M. Assefa, H. Solomon, H. Teka, **D. Korecha**, T. Dinku, M. Thomson (2016): Long-term Climate and Health Collaboration to Forecast Malaria Outbreaks in Ethiopia. WHO/WMO (2016) Climate Services for Health: Improving public health decision-making in a new climate. Eds. J. Shumake-Guillemot and L. Fernandez-Montoya. Geneva.

Stephanie Gleixner, Noel Keenlyside, Ellen Viste, **Diriba Korecha**, (2016): The El Niño effect on Ethiopian summer rainfall, *Clim Dyn*, DOI 10.1007/s00382-016-3421-z

Adem Mohammed, Tamado Tana, Piara Singh, **Diriba Korecha**, Adamu Molla (2016) Management Options for Rainfed Chickpea (*Cicer arietinum* L.) in Northeast Ethiopia under Climate Change Condition, *Climate Risk Management*, doi.org/10.1016/j.crm.2016.12.003

Asaminew Teshome Game, **Diriba Korecha** (2015): Recent Changes in Rainfall, Temperature and Number of Rainy Days over Northern Oromia Zone, Ethiopia, *Science Discovery*; 3(6): 62-70

Korecha, D. and A. Sorteberg (2013): “Validation of operational seasonal rainfall forecast in Ethiopia”, *Water Resources Research*, VOL. 49, 7681–7697, doi: 10.1002/2013WR013760.

Viste, E., **D. Korecha** and A. Sorteberg (2012): “Recent drought and precipitation tendencies in Ethiopia”, *Theoretical Applied Climatology*. doi: 10.1007/s00704-012-0746-3.

Korecha, D. and A. Barnston (2007): “Predictability of June–September rainfall in Ethiopia”, *Monthly Weather Review*, 135:628–650.

Torleif, M. Lunde, Meshesha Balkew, **Diriba Korecha**, Teshome Gebre-Michael, Fekadu Massebo, Asgeir Sorteberg and Bernt Lindtjørn (2013): A dynamic model of some malaria-transmitting Anopheline mosquitoes of the Afrotropical region. I. Model description and sensitivity analysis *Malaria Journal* 2013, 12:28 DOI: 10.1186/1475-2875-12-28

Torleif M. Lunde, Meshesha Balkew, **Diriba Korecha**, Teshome Gebre-Michael, Fekadu Massebo, Asgeir Sorteberg and Bernt Lindtjørn (2013): A dynamic model of some malaria-transmitting anopheline mosquitoes of the Afrotropical region. II. Validation of species distribution and seasonal variations. *Malaria Journal* 2013, 12:78 doi:10.1186/1475-2875-12-78

Funk C, Senay G, Asfaw A, Verdin J, Rowland J, **Korecha D**, Eilerts G, Michaelsen J, Amer S, Choularton R (2005). Recent drought tendencies in Ethiopia and equatorial-subtropical eastern Africa. FEWS NET, vol 1.

Thesis Advisors:

MSc:

2005-06: Arbaminch University (3), Ethiopia;
2011-12: Bahirdar University (1), Ethiopia;
2012-13: Arbaminch University (1), Ethiopia;
2014-15: Haramaya University (5), Ethiopia;
2015-16: Addis Ababa University (1), Ethiopia;
2015-16: Mada Walabu University (1), Ethiopia;
2015-16: Hawassa University (1), Ethiopia.
2016-17-: Haramaya University (5), Ethiopia
2016-17: Hawassa University (1), Ethiopia

PhD:

2014 - Present: Haramya University (2), Ethiopia.
2016 - Present: Addis Ababa University (1), Ethiopia
2017 - Present, Bahirdar University (1), Ethiopia