

## CURRICULUM VITAE

### **I. PERSONAL DATA**

**NAME:** Mohammed Abera   **SURNAME:** Assefa   **GIVEN NAME:** Mohammed  
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**PLACE of BIRTH:** South Wollo, Ethiopia   **DATE OF BIRTH:** 25 August 1987  
**SEX:** Male  
**MARITAL STATUS:** Unmarried  
**NATIONALITY:** Ethiopian  
**OCCUPATION:** Meteorologist  
**EMPLOYER:** National Meteorological Agency (NMA)

### **II. EDUCATION**

#### **A. SCHOOLS / COLLEGES / UNIVERSITIES/INSTITUTES**

**I. NAME OF SCHOOL:** Kombolcha Secondary High School

**PLACE & DATES:** Kombolcha, 2002 -2003

**PRINCIPAL SUBJECTS:** English, Mathematics, Physics, Chemistry, Biology, History, Geography, Amharic, Civics and Physical Education.

**RESULTS:** Successful enough result for Entrance value from Secondary to Preparatory School

**II. NAME OF SCHOOL:** Kombolcha Preparatory School

**PLACE & DATES:** Kombolcha, 2004 -2005

**PRINCIPAL SUBJECTS:** English, Mathematics, Physics, Chemistry, Biology, Amharic, General Aptitude.

**RESULTS:** Successful enough result for Entrance value for University

**III. NAME OF INSTITUTION:** Arba Minch University

**PLACE & DATES:** Arba Minch, Ethiopia, 2006-2009

**PRINCIPAL COURSES:** Multidisciplinary curriculum including General Oceanography, Meteorological Instrument and Methods of Observation, Cloud and Precipitation Physics, Fluid Mechanics, Atmospheric Physics, Synoptic Meteorology I and II, Dynamic Meteorology I and II, Atmospheric Thermodynamics, Marine Meteorology, Tropical Meteorology I and II, Atmospheric Chemistry and Air Pollution and Remote Sensing Mathematics I, II and III and etc .

**ADDITIONAL COURSES:** Various Related and Common Courses with Special Project Works

**RESULTS:** Distinction in Meteorology and Related Courses

**DEGREE/CERTIFICATE:** Degree of MSc. in Meteorology Science

#### **B. WORKSHOPS / SYMPOSIA / SEMINARS**

- Capacity Building Workshop on “Application and use of Dynamic Seasonal Forecasts for Ethiopia, including for the BRACED Implementation Woredas, Adama, Ethiopia, 29 Feb.- 8 march 2016

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- HEA basic food Security and Livelihood concept and livelihood impact Analysis spreadsheet (LIAS) March 15 – 22 2010, Dire Dawa, Ethiopia,
- Training on Introduction to Networking and Using Internet and E-mail, Addis Ababa, 28 Nov- 2 Dec 2018.
- Workshop on “Seasonal to Decadal Climate Prediction Conference” Addis Ababa, Ethiopia, 16 – 18 Dec. 2015.

### C. Professional related experience

- Computer maintenance & Troubleshooting with the attached certificates
- LIAS(Livelihood Impact Analysis spreadsheet) with the attached certificate
- HEA (Household Economic Approach) with the attached certificate
- AHEA TOT(Household Economic Approach Training of Trainer) with the attached certificate
- Training of Trainer (ToT) on Data Management and Modeling to Strengthening Climate Sensitive Disease Surveillance and Early Warning in Ethiopia with attached Certificate.
- LEAP software
- GIS ( Geographical Information System)and GPS (Geographical Positioning System) with attached certificate
- Geonet cast for Geo-data for innovative Agricultural Credit Insurance Scheme (GIACIS) software with the attached certificate
- NIMS(National Incident management system) and EOC(Emergency operation center)
- CPT(Climate prediction tools) with attached certificate
- Advanced Training of Numerical Weather Prediction with a special Focus on Data Assimilation with the attached Certificate

### III. LANGUAGES

Language	Skill (Excellent, Very Good, Good, Fair, Poor)			
	Reading	Writing	Listening	Speaking
English	Excellent	Excellent	Excellent	Excellent
Amharic	Excellent	Excellent	Excellent	Excellent

### IV. COMPUTER SKILL

**PROGRAMMING LANGUAGE:** FORTRAN.

**APPLICATION SOFTWARE:** GIS, LEAP, GEOCLIM & GEOWRSI, R- Software, CDT, WRF, Surfer, WFS Toolbox and etc others

**OPERATING SYSTEM:** Windows, MS Dos, Linux, and Others.

### V. EXPERIENCES

**NAME & PLACE OF EMPLOYER/ORGANIZATION:** National Meteorological Agency, Addis Ababa

**YEAR OF SERVICE:** Ten (10) Years since December 2010.

#### **WORK EXPERIENCE:**

- ✓ Meteorological Expert 2010-2013 in Afar Meteorological Service Center, Forecast and Early Warning Department

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- ✓ Acting Team Leader for Forecast and Early Warning Case Team 2014-2015 in Afar Meteorological Service Center
- ✓ Meteorological Expert 2016-2017 in Data Analysis and Climatology Department.
- ✓ Acting Team Leader for Bio-meteorological Case Team 2018-Up to now in Development Meteorology Department.

**TITLE OF POSITION:** Senior Meteorologist, Development Meteorological Services Directorate

### **DESCRIPTION OF DUTIES**

#### **I. When I was Afar Region Meteorological Service Center**

- Make sure that forecast and early warnings are done.
- Ensures that short, medium and long range forecasts.
- Downscaling the global effects (El Nino and LA Nina) to small scale (regional).
- Gives advice and warnings for weather related problems like malaria, meningitis, food poisoning index, heat wave index, cold wave index etc.
- Give warning alerts before the occurrences of natural disasters such as drought, flood, dust storms, cyclones and etc.
- Gives onset, cessation, variability and performance of rain fall.
- Weather forecast, including reports on current weather, warnings of hazardous weather phenomena.
- Preparation of Monthly and Seasonal bulletin and disseminate to different sectors.
- Controlling, ordering, orienting and guiding the Regional meteorological data quality and quantity.
- Identify drought area.
- To Participate regional agricultural task force meeting with different organization
- Involve to seasonal food security assessment in regional level two time in a year
- To participate outlook for afar people beneficiary number by using HEA(house hold economy Approach) and LIAS(Livelihood Impact Analysis) Collecting meteorological data and related.
- Data control and data quality
- Data processing and Archive.
- Design, installation and repair of manual and automatic weather station.
- Prepare all necessary documents, drawings, bill of quantity and quality of data.
- Identify and classify the same woredas with the same climate.
- Data provide and dissemination for the users.

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### **II. Head Office**

- Organize and supervises the various components of bio-meteorological Services.
- Provide guidance and directives for the implementation of bio-meteorological services for relevant sectors.
- Prepare and Ensures that developed standards, guidelines and procedures for the analysis and processing of Bio-meteorological information based on policies and procedures adopted by National /Meteorological Services Agency, World Meteorological Organization (WMO).
- Specifies weather forecasts required to Health activities and ensures that, weather forecasts for all purpose are prepared and disseminated in accordance with the rules and regulations of the agency and the demand of the users promptly.
- Ensures that, observed and recorded bio-meteorological data are analyzed, processed and disseminated accordingly.
- Provides technical and scientific leadership in the practical and scientific fields of Bio-meteorology by keeping abreast with new developments and findings in various disciplines of meteorology and allied sciences.
- Collaborates and participates in research projects and investigations in Agricultural, hydro meteorological and biometeorology and related disciplines.
- Prepare and Ensures bio meteorological publications are prepared on a routine basis in accordance with National and International standards and are disseminated to users.
- Search ways and means of improving and prompting standardization of methods, procedures and techniques for application in the field of Bio-meteorology.
- Ensures that, periodical and progress reports are prepared submitted on due dates.
- Perform other related duties as may be required.
- Organize and supervises user tailored information and early warnings to the various socio-economic activities are prepared and disseminated in time to all the end users.

### **INTERESTS**

**Reading, Traveling and Research Works**

### **VII. REFERENCES**

#### **PERSONS**

1. Mr. Fetene Teshome,  
Director General of National Meteorological Agency  
Email: fetenekoket@yahoo.com
2. Mr. Kinf Hailmariam,  
Deputy Director General of National Meteorological Agency  
Email: kinf\_hm@yahoo.com
3. Mr. Tsegaye Ketema (MS.c),  
Ethiopian National Meteorology Agency  
Development meteorology Director,  
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