

## Curriculum Vitae

### PERSONAL DATA

SURNAME/FIRST NAMES:	Derib, Sisay Demeku
BIRTH DATE:	June 23, 1973
PLACE OF BIRTH:	Arsi-Sire, Ethiopia
GENDER:	Male
NATIONALITY:	Ethiopian
MARITAL STATUS:	Married
LANGUAGES:	Read, Write and Converse in Amharic and English
ADDRESS:	P.O.Box 150515, Addis Ababa, Ethiopia. E-mail sdemeku@yahoo.com



### EDUCATION

- 1. October 2007 to March 2014:** Ph.D. candidate and junior researcher at Department of Ecology and Natural Resources of the Center for Development Research (ZEF-Bonn) at the University of Bonn. [www.ZEF.de](http://www.ZEF.de)  
**Principal subjects/occupational skills covered:**
  - Taking interdisciplinary and disciplinary courses
  - Writing and presentation of term paper and research proposal
  - Participating on national and international research seminars
  - Field data collection and analysis**Research Title:** Balancing water availability and water demand in the Blue Nile: a case study of the Gumara watershed in Ethiopia.
- 2. September 2003 to November 2005:** Title of qualification awarded- Master of Science in Hydrology and Water Quality: specialization on Hydrology and Quantitative Water Management at Wageningen University, The Netherlands. <http://www.mhw.wur.nl/UK/>  
**Principal subjects/occupational skills covered:** Hydrological modeling, advanced environmental hydraulics, integrated water management, hydraulics and hygrometry, catchment hydrology, hydrogeology.  
**Thesis title:** Rainfall-runoff processes at a hillslope watershed: Case of simple models evaluation at *Kori sheleko* catchment of Wolo, Ethiopia.
- 3. September 1996 to July 2000.** Title of qualification awarded- Bachelor of Science in Agricultural Engineering at Haramaya University, Ethiopia. <http://www.haramaya.edu.et/>  
**Principal subjects/occupational skills covered:** Basic computers skill, fluid and engineering mechanics, water supply and sanitation engineering, irrigation engineering, hydrology, food processing and soil mechanics engineering courses.  
**Research project title:** Wheat grain-chaff separation curve development using horizontal jet of air.

**Training:** *Subject/training organization/place/time*

- 1) *Course on Ecology, Land Use and Development*, Center for Development Research, University of Bonn, Germany, 07 May, 2008.
- 2) *Interdisciplinary Course “Concepts and Theories of Development”*, Center for Development Research, University of Bonn, Germany, 6 March, 2008.
- 3) *Mathematics and statistics*, Center for Development Research, University of Bonn, Germany, 23 January, 2008.
- 4) *Introduction to Digital Image Processing of remotely Sensed data*, Center for Remote Sensing of the Land surfaces (ZFL), University of Bonn, Germany, 10-13 December, 2007.
- 5) *Learning Intercultural competence*, Synergie Soziale Bildung and Center for Development Research, University of Bonn, Germany, 7-9 December, 2007.
- 6) *Introduction to Remote Sensing*, Center for Remote Sensing of the Land surfaces (ZFL), University of Bonn, Germany, 3-7 December, 2007.
- 7) *Strategic Planning and Management*, Amhara Regional Agricultural Research Institute (ARARI), Bahir Dar, Ethiopia, 14-21 January, 2003.
- 8) *Management of Water Resources and Improvement of Water Use Efficiency in Dry Areas*, Japan International Cooperation Agency (JICA) and International Center for Agricultural Research in Dry Areas (ICARDA), Aleppo, Syria, 7 April to 6 June, 2002.
- 9) *Agricultural Research Methodology*, Amhara Regional Agricultural Research Institute (ARARI) in collaboration with USAID, Bahir Dar, Ethiopia, 15-30 January, 2002.
- 10) *Microsoft Office and Programming*, Alemaya University of Agriculture, Ethiopia, 1999.
- 11) *Teachers’ Training, Debere-Berehan Teachers’ Training institute, Debre-Berehan, Ethiopia, September 1994 to June 1995.*

**Workshop (presentation and participation)**

- 1) Global Climate Change-approaches to international cooperation. 2<sup>nd</sup> International Symposium on Climate Protection and Resource Conservation for Young Academics, May 9-12, 2011, Bonn, Germany (Oral presentation)
- 2) Development on Margin. Annual Conference on Tropical and Subtropical Agricultural and Natural Resource Management (TROPENTAG), October 5 - 7, 2011, University of Bonn, Bonn, Germany (Poster presentation)
- 3) Global Water System Project Conference on: The Global Dimensions of Change in River Basins, Bonn, 6-8 December 2010.
- 4) “World Food System — A Contribution from Europe” Tropentag, September 14-16, 2010, Zurich. (Oral presentation)

**EMPLOYMENT RECORDS**

**December 2005 to September 2007 and April 2008 to May 2010:** Assistant researcher and program coordinator at regional and national levels, soil and water management research program, Amhara Regional Agricultural Research Institute (ARARI), Ethiopia. ARARI (<http://www.ar-ari.org/>) at Sirinka Agricultural Research center, North Welo, P.O.Box 74, Woldia, Ethiopia

ARARI is regional agricultural research institute in the Amhara Region, Ethiopia with key areas of interest in sustainable agriculture and rural development, food security and soil erosion and conservation

**Main activities and responsibilities:**

- Propose, implement, and report research activities
- Preparing annual and budget plans and coordinate regional and national soil and water research program
- Research review presentation

**July 2004 to December 2005:** Internship on hydrology and quantitative water management in Ethiopia.

**Main activities and responsibilities:**

- Field data collection using GPS & data loggers
- GIS analysis, reporting of watershed and reservoir research activities

**February 2001 to August 2003:** Junior researcher, soil and water management research division, Amhara Regional Agricultural Research Institute (ARARI), Ethiopia.

**Main activities and responsibilities:**

- Propose, implement, and report research activities
- Doing team based field survey researches
- Research review presentation

**July 1995 to August 1996:** Teaching, North Shewa Zone, Ethiopia

**Main activities and responsibilities:**

- Preparing teaching aids and lesson plans
- Coordinating teaching-learning processes
- Reporting to higher levels
- Teaching and evaluation

## **PROFESSIONAL ACTIVITIES**

### **Participation**

- 1) Active Fellow, Ethiopian Soil Science Society (ESSS) since 2001.
- 2) Member and leader of irrigation water management research team in Sirinka Agricultural Research Center in 2005 to 2007.
- 3) Member and leader of research activities forum Sirinka Agricultural Research Center in 2005 to 2007.

### **Publications**

1. Eguavoen, I.; Derib, S.D.; Deneke, T.T.; McCartney, M.; Otto, B.A. and Billa, S.S. 2012. Digging, damming or diverting? Small-scale irrigation in the Blue Nile basin, Ethiopia. *Water Alternatives* 5(3): 678-699 <http://www.water-alternatives.org/>
2. Derib, S. D., K. Descheemaeker, A. Hailelassie and T. Amede. 2011. Irrigation water productivity as affected by water management in a small-scale irrigation scheme in the Blue Nile Basin, Ethiopia.. *Expl Agric. Supl. 1* . Cambridge University Press 2011. doi:10.1017/S0014479710000839, 47: 39–55. [journals.cambridge.org/action/displayAbstract?fromPage=online&aid=7967399&fullTextType=RA&fileId=S0014479710000839](http://journals.cambridge.org/action/displayAbstract?fromPage=online&aid=7967399&fullTextType=RA&fileId=S0014479710000839)

3. Derib, S.D., B. Tegegn, T. Assefa, B. Berhanu and G. Zeleke. 2010. Water Harvesting: Improving Tree Seedling survival & Biomass production at *Kalu Woreda*, South *Wolo*, Ethiopia. In: Proceedings of the 3rd Annual Regional Conference on Completed Research Activities, 1-4 September 2008, Bahir Dar, Ethiopia. Eds. Birru Yitiferu, Teshome Tesema and Zewudu Ayalew. Amhara Region Agricultural Regional Institute (ARARI) p. 27-37.  
[http://www.arari.gov.et/images/stories/website%20doc/allproceeding/proc1\\_3/proc3\\_Soil\\_forest\\_mechanizatio20101.pdf](http://www.arari.gov.et/images/stories/website%20doc/allproceeding/proc1_3/proc3_Soil_forest_mechanizatio20101.pdf)
4. Derib, S. D., T. Assefa, B. Berhanu and G. Zeleke. 2009. Impacts of micro-basin water harvesting structures in improving vegetative cover in degraded hillslope areas of north-east Ethiopia. *The Rangeland Journal* 31(2). 259-265.  
Further Information: [www.publish.csiro.au/nid/202/paper/RJ09012.htm](http://www.publish.csiro.au/nid/202/paper/RJ09012.htm)

#### Conference book of abstracts

5. Derib, S.D., B. Diekkrüger. 2011. Comparison of Spatial Interpolation Methods for Filling Daily Rainfall Missing Data, Blue Nile Basin, Ethiopia.  
<http://www.tropentag.de/abstract.php?code=TuJamJ0t>
6. Derib, S.D., K. Descheemaeker, A. Haileslassie and T. Amede. 2010. Water Productivity as Affected by Water Management in a Small-scale Irrigation Scheme in the Blue Nile Basin, Ethiopia.  
[www.tropentag.de/2010/abstracts/links/Derib\\_SMv4kGRV.pdf](http://www.tropentag.de/2010/abstracts/links/Derib_SMv4kGRV.pdf)

#### REFERENCES:

- 1) Prof. Dr. Bernd Diekkrüger, Department of Geography at Bonn University, Meckenheimer Allee 166, 53115 Bonn. Tel.: 0228/732107, Fax: 0228/735393, email: [b.diekkruenger@uni-bonn.de](mailto:b.diekkruenger@uni-bonn.de)
- 2) Dr.-Ing. Bernhard Tischbein, Senior Researcher at the Center for Development Research (ZEF)/University of Bonn, Walter-Flex-Strasse 3, D-53113 Bonn. Tel.: +49 (0) 228 / 73-1793, Fax: Fax: +49 228 731889, email: [tischbein@uni-bonn.de](mailto:tischbein@uni-bonn.de)
- 3) Dr. Tilahun Hordofa, Researcher, Irrigation Water Management Engineering, Ethiopian Institute of Agricultural Research (EIAR), Melkassa Agricultural Research Center, P.O. Box 436, Nazareth, Ethiopia. Tel.: +251 2 112186, Fax: +251 2 11 46 23 email: [htilahun2010@gmail.com](mailto:htilahun2010@gmail.com)