1. **Personal data**

**Full name:** Sahleselassie Amare

**Date of birth:** 15 April 1976.

**Year of graduation:** 2007, MSc. and 1998, BSc.

**Marital status:** Married, and 3 children.

**Employment status:** Employed; works for the Environment and Climate Research Centre (**ECRC**) at the Policy Studies Institute (**PSI**), Addis Ababa.

**Contact address:**

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Or [sahleselassie@yahoo.com](mailto:sahleselassie@yahoo.com):

Cell Phone: +251 (0) 914 03-03-78

1. **Educational Background**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Name and place of School/University** | **Years attended** | | **Academic credentials obtained** | **Main Subjects** |
| **From** | **To** |
| International Institute For Geo-Information Science and Earth Observation (ITC), University of Twente, The Netherlands. | September 2005 – March 2007 | | MSc Degree | Sustainable Agriculture, Natural Resource degradation Analysis and Modelling,  Geo-information Science and Earth Observation, |
| Mekelle University | Oct. 1994 –  July 1998 | | BSc. Degree | Dry land Agriculture  (crop science) |

1. **Professional Experience**

**Aug.1/2015 –up-to-date:** Research Officer and GIS analysis, working for the Environment and Climate Research Centre (ECRC) at the Ethiopian Development Research Institute (EDRI) now Policy Studies Institute (PSI).

**Tasks:**

* GIS analysis such as image classification, land use change,
* Climate data analysis using GIS tools.
* Conducting literature review, prepare draft documents.

**Outputs produced:**

* Prepared national land use/land cover map – to identify and analyse the different factors influencing land use and land cover changes, trends and their magnitude since the 1980’s.
* Climate data modeling for selected parcel level survey areas.
* Prepared farmland – parcel distance estimations for survey sites based on their GPS readings.
* Conducted various spatial analyses –
* Produced several literature reviews and draft documents.

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**April 2010 – Aug.2015:**

* + **GIS analysis specialist**, Science and Technology Agency, Mekelle.
  + **Director, Scientific Data Management and Plan Directorate** at Tigrai Science and Technology Agency, Mekelle.

**Tasks:**

* Conducting research with GIS applications.
* Advising stakeholder in spatial data utilization and its integration in their plans.
* Preparing annual and strategic plans for Scientific Data Management and Plan directorate.

**Outputs produced:**

* Taxi network analysis - document produced for Mekelle city.
* School accessibility mapping - document produced for Mekelle city.
* Woreda level natural resource mapping for Raya Azebo woreda – a team work.
* Household level urban waste management – A GIS-based research to estimate house hold level waste at Qedamay Woyane sub-city (Kebele 16 area).
* Produced the BPR document for the directorate – BPR team leader.
* Produced the Balanced Score Card (BSC) – based plan for the SDMP directorate.
* Training stakeholders on the integration of spatial analysis in their plans and reporting systems.

**Oct. 2008 - April 2010: GIS analysis expert** (potential area study), Bureau of Finance and Economic Development.

**Main Tasks:**

* Spatial (GIS) data collection and analysis.
* Satellite image analysis and Land use/cover mapping.
* Preparing Spatial planning documents – integration of spatial data in the annual and strategic plans of the bureau.
* Advising stakeholder in spatial data use and integration in their plans.

**Outputs produced:**

* Land use/land cover mapping of three woredas (Ganta Afeshum, Kilte Awelaelo and Enderta woredas) – with a colleague in a team.
* Regional spatial planning document – a team work.
* Produced Growth Pole Development Strategy study document (contributed on Agriculture, water and mines, – a team member.
* **2008 - 1999**
* **April 2007 – Oct. 2008**: Population and Social Statistics Expert, Bureau of Finance and Economic Development.
* **2005– 2007:- MSc. Study period.**
* **Dec. 2003 –Sep. 2005**: Planning expert, Bureau of Planning and Economic Development.
* **July 2001 –Dec. 2003**: Acting office Head, Office of Finance and Economic Development.
* **Oct. 1999 – July 2001:** Junior Planning Expert at the Department of Planning and Economic Development.

**Main Tasks**:

* Training stakeholders on population, environment and development.
* Developing indicators, Data collection and analysis.
* Preparation of statistical abstracts and analytical documents
* Regional project monitoring and evaluation.
* Preparation of strategic and annual plans.

**Outputs produced:**

* Regional and Zonal statistical abstracts produced.
* Produced strategic plan for Ofla woreda (2003 – 2007).
* Monitoring and evaluation of regional projects.
* Produced training document on population and environment.

1. **Publication, presentation, Study documents**

A**. Publication**

* Abraham Bairu, Nata Tadesse and Sahleselassie Amare, (2013). Use of Geographic Information System and water quality index to assess suitability of ground water quality for drinking purposes in Hewane areas, Tigray, Northern Ethiopia. Ethiopian journal of Environmental studies and management, Vol.6, No.2, 2013.pp120-110-123.

Available at: <https://www.ajol.info/index.php/ejesm/article/view/86153>

**B. Un published documents**

* 1. Sahleselassie Amare, Mekelle city taxi network analysis - a GIS approach, 2015, Mekelle, Tigray.
  2. Sahleselassie Amare, Mekelle city school accessibility analysis – a GIS approach, 2015, Mekelle, Tigray.
  3. Sahleselassie Amare and Haftay, GIS-based Waste Management and Disposal methodology: a pilot project at Qedamay Woyanie area of Mekelle, 2011, Mekelle.
  4. Sahleselassie Amare and Haftay, Natural Resource Mapping (and land use / land cover) of Raya Azebo woreda, 2011, Mekelle, Tigray.
  5. Eyasu Abreha, Haileselassie Amare, Niguse Abebe, Desta Hadera, , Niguse T.Michale, and Sahleselassie Amare, **Assessment of the status of Parthenium (Parthenium hysterophorus, L.), Problem and Evaluation of its management options in Tigray**,2009, Mekelle, Tigray.

**V. Consultancy work**

K.Mariam G.Egziabher, Abdelkader Kedir, Tesfay Aregawi, Daniel Teka, Hadush Tsehaye, Sahleselassie Amare, **Tigray Growth Pole Development Strategy study**; document submitted to Tigrai Bureau of Trade and Industry, 2008.

**C. Presentation**

Sahleselassie Amare, **Environment and Development**, Paper presented at the Training Workshop on Population and Development, organized for Experts from different bureaus in the region. *Training Organized by Tigray Bureau of Finance and Economic Development, Department of population and Development.* 17-19 May, 2007. Mekelle, Ethiopia.

**VI. MSc and BSc. papers**

1. **MSc. degree Thesis:**

**Amare, Sahleselassie,** 2007. Modelling runoff and soil erosoin using the revised MMF model: A case study in Namchun watershed, Thailand. International Institute for Geo-information Science and Earth Observation,ITC, Enschde, The Netherlands.

1. **BSc. Degree: Practical attachment report:**

**Sahleselassie Amare, 1997**. Seed Bank Impact Assessment at Edaga Arbi Woreda. *Practical Attachment*, Mekelle University, Mekelle, Ethiopia.

1. **Trainings /Certificates**

|  |  |  |
| --- | --- | --- |
| **Title and place** | **Date conducted**  **/Completed** | **Main Subjects** |
| Transformational leadership and coaching, Debrezeit Management Institute. | Dec.10-14/2012 | Leadership, Coaching |
| Waste Management by DAAD and AEEG, Mekelle | Nov.20-21/2010 | Waste collection, reduction, composting, waste Management. |
| DevInfo 5.0 training course, UN-House, Addis Ababa. | Date completed: 12Oct,2007 | Database Administration |
| Strategic Planning and Management, Mekelle. | Date completed: February 3, 2003 | Planning and Management |
| Project Planning, Implementation, Monitoring & Evaluation, Mekelle. | Date completed: Dec.2002 | Planning, Monitoring, Evaluation, etc. |
| Information Systems Services (ISS), Addis Ababa, Ethiopia. | Date completed: Nov.1/2001 | Arc View GIS |

1. **Software related skills:**

* GIS and RS softwares: Arc GIS, ILWIS (GIS and Remote Sensing software), ERDAS IMAGINE (Remote Sensing image analysis software) , ENVI 4.2 (Remote Sensing image analysis software), Arc View 3.3, PC Raster 2.8 Environmental modelling software, Quantum GIS,
* DevInfo (a database Software of the UNICEF).
* Basic MS office – MS Word, Excel, ACCESS, power point, etc.

**References:**

1. Kelali Adhana (PhD), ex Director General of Science and Technology Agency, (where I worked for 5 years; April 2010 – Aug.2015).

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1. Haileselassie A. Medhin (PhD), Country Director, World Resources Institute (WRI).

(Ex – Centre Director of ECRC, Environment and Climate Research Centre).

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1. Tagel Gebrehiwot (PhD), current director of ECRC

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1. Kiros Meles Hadgu (PhD), ICRAF Country representative

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