



PROFESSIONAL JOURNEY

- 06.2014 - ce jour ● **CIVIL ENGINEER & HYDROLOGIST**
H&S Engineers (hagoscon.com), Geneva, Swiss
- 01.2014 - 03.2014 ● **HYDROLOGIST**
Temporary mission at the department of Environment, Transport and Agriculture (DETA), Republic of Canton Geneva, Swiss.
- 01.2008 - 04.2010 ● **COLLABORATOR & DOCTORATE STUDENT (Geomatics)**
Faculty of sciences, university of Fribourg, Swiss
- 06.2005 - 01.2007 ● **RESEARCH FELLOW**
Central University of Technology, Bloemfontein, South Africa
- 12.2004 - 06.2005 ● **ASSISTANT RESEARCHER**
Faculty of engineering, University of Kwazulu-Natal, Pietermaritzburg (Durban), South Africa
- 05.2000 - 02.2002 ● **CONSTRUCTION ENGINEER** (Construction of Hospital buildings)
Eritrean defense force, Assab, Eritrea
- 01.1997 - 05.2000 ● **CONSTRUCTION AND DESIGN ENGINEER** (Construction of dams and irrigation infrastructure)
Ministry of Agriculture, Asmara, Eritrea
- 02.1996 - 12.1996 ● **CONSTRUCTION AND DESIGN ENGINEER**
Commission for the Rehabilitation of Sustainable Agriculture and Environment in Tigray Region (SAERT) Mekelle, Ethiopia



EDUCATION

- 2021 ● **POSTGRADUATE CERTIFICATE**
Geographic Information in Urban Planning, QGIS, UNIGE & EPFL, Geneva & Lausanne, Swiss
- 2018 - 2019 ● **AUTODESK CERTIFICATE**
Professional training in Advanced AutoCAD and Revit Architecture et Structure at à Cad school (www.cadschool.ch), Geneva, Swiss
- 2013 - 2015 ● **FRENCH CERTIFICATE A2-C1**
Attended French courses at IFAGE and at the University of Geneva, Geneva, Swiss
- 2011 - 2012 ● **URBAN PLANNING**
Course update in civil engineering of master's program at HES-SO, Lausanne, Swiss,
- 2010 - 2011 ● **FRENCH CERTIFICATE A1-B2**
Attended French courses at the University of Fribourg, Fribourg, Swiss
- 2008 - 2010 ● **COLLABORATOR AND DOCTORAL STUDENT (Geomatics)**
Faculty of Science, University of Fribourg, Swiss
- 2002 - 2005 ● **MASTER OF SCIENCE IN ENGINEERING (MScEng)**
University of Kwazulu-Natal, Pietermaritzburg (Durban), South Africa
- 1991 - 1996 ● **CIVIL ENGINEERING (BScEng)**
Arba-Minch University, Formerly *Arba-Minch Water Technology Institute*, Arba-Minch city, Ethiopia



PUBLICATIONS

Tewolde MH and JC Smithers (2006) Flood routing in ungauged catchments using Muskingum methods. Journal of Water South Africa. [Journal](#). • Other Publications are available at: : hagoscon.com



Mesfin TEWOLDE
Civil Engineer & Hydrologist
[EUR ING, REG A, MPQF, SIA]



COMPETENCES

- Control the realization of a project, control their execution in relation to the plans, carry out the readings on-site (Buildings, Irrigation Infrastructure, Dams, and other civil engineering Projects)
- Study watersheds and do the hydrological analysis, Discharge (flow) calculations, flood risks, hydrological studies of a watercourse, and design of urban water management systems, and
- Carry out field surveys and integrate the data into GIS, establish plans or maps, and collaborate in the establishment of land use plans.



+41 79 392 2970



mtewolde@hagoscon.com



51 Ch. de la chevillarde 51
1224, Genève



www.hagoscon.com



Driving License: B



Work Permit: yes



COMPUTER SCIENCE

ArcGIS, GISpro, WebGIS, QGIS, ArcSWAT, QSWAT3, GRASS GIS, CAO, Revit, Python, SPSS et R Stat, IDRISI, PCI-Géomatica, Civil Storm, Pond pack et Flow master, HEC-RAS et HEC-HMS

Word, Excel, PowerPoint, WordPress



LANGUAGE

English Fluent (work and study language)

French Working Skill (B2)

Others Amharic & Tigrigna (Languages of Ethiopia & Eritrea)