06.2014 - ce jour	PROFESSION	IAL JOURNEY	
### HVBROLOGIST (Temporary mission) The department of Environment Transport and Agriculture (DETA), Republic of Canton Geneva, Switzerland. ### O1.2014 - 03.2014 ## HVBROLOGIST (Temporary mission) The department of Environment Transport and Agriculture (DETA), Republic of Canton Geneva, Switzerland. ### O1.2008 - 04.2010 ### SCIENTIFIC COLLABORATOR (in Geomatics) Faculty of sciences, university of Fribourg, Switzerland ### O6.2005 - 01.2007 ### SCIENTIFIC COLLABORATOR Research: Rainwater Harvesting Technology for Small Households. Central University of Technology, Bloemfontein, South Africa ### O6.2005 ### O5.2004 - 06.2005 ### ASSISTANT RESEARCHER Research: Development and Evaluation of Continuous Simulation Modeling System for Design Flood Estimation. Faculty of Engineering, University of Kwazulu-Natal, Pietermaritzburg (Durbary), South Africa ### O5.2000 - 02.2002 ## CONSTRUCTION ENGINEER (Construction of Hospital buildings) Eritrean defense force, Assab, Eritrea ### O1.1997 - 05.2000 ### CONSTRUCTION AND DESIGN ENGINEER (Construction of dams and irrigation infrastructure) Ministry of Agriculture, Asmara, Eritrea ### O2.1996 - 12.1996 ### CONSTRUCTION AND DESIGN ENGINEER (Construction of dams and irrigation infrastructures) Commission for the Rehabilitation of Sustainable Agriculture and Environment in Tigray Region (SAERT) Mekelle, Ethiopia ### DUCATION ### O2.2021 ### CAS: GEOGRAPHICAL INFORMATION IN URBANISM (Post Graduate Certificate), QSIS, Spatial Planning, UNIGE & EPFL, Geneva & Lausanne, Switzerland ### 2018 - 2019 ### AUTODESK CERTIFICATE Professional training in advanced 2D AutoCAD, Revit Architecture & advanced 3D Structure at CAD-School Geneva, Switzerland ### 2011 - 2012 ### LAND USE PLANNING Master in land use planning (MIT) HES-SO, Lausanne, Switzerland ### 2010 - 2011 ### DOCTORAL STUDENT IN GEOMATICS Faculty of Science, University of Fribourg, Suiszerland ### 2010 - 2011 ### DOCTORAL STUDENT IN GEOMATICS Faculty of Kwazulu-Natal, Pietermaritzburg and Durban, South A			
The department of Environment Transport and Agriculture (DETA). Republic of Canton Geneva, Switzerland. 0.1.2008 - 04.2010 SCIENTIFIC COLLABORATOR (in Geomatics) Faculty of Sciences, university of Fribourg, Switzerland 0.6.2005 - 01.2007 SCIENTIFIC COLLABORATOR Research: Rainwater Harvesting Technology for Small Households. Central University of Technology, Bloemfontein, South Africa 12.2004 - 06.2005 ASSISTANT RESEARCHER Research: Development and Evaluation of Continuous Simulation. Faculty of Engineering, University of Kwazulu-Natal, Pietermaritzburg (Durban), South Africa 0.5.2000 - 02.2002 CONSTRUCTION ENGINEER (Construction of Hospital buildings) Eritrean defense force, Assab, Eritrea 0.1.1997 - 05.2000 CONSTRUCTION AND DESIGN ENGINEER (Construction of dams and Irrigation infrastructure) Ministry of Agriculture, Asmara, Eritrea 0.2.1996 - 12.1996 CONSTRUCTION AND DESIGN ENGINEER (Construction of dams and Irrigation infrastructure) Ministry of Agriculture, Asmara, Eritrea 0.2.1996 - 12.1996 CONSTRUCTION AND DESIGN ENGINEER (Construction of dams and Irrigation infrastructure) Ministry of Agriculture, Asmara, Eritrea 0.2.1996 - 12.1996 CONSTRUCTION AND DESIGN ENGINEER (Construction of dams and Irrigation infrastructure) Ministry of Agriculture, Asmara, Eritrea 0.2.1996 - 12.1996 CONSTRUCTION AND DESIGN ENGINEER (Construction of dams and Irrigation infrastructure) Ministry of Agriculture, Asmara, Eritrea 0.2.1996 - 12.1996 CONSTRUCTION AND DESIGN ENGINEER (Construction of dams and Irrigation infrastructure) Ministry of Agriculture and Irrigation infrastructures 0.2.1996 - 12.1996 CONSTRUCTION AND DESIGN ENGINEER (Construction of dams and Irrigation infrastructure) Ministry of Agriculture and Irrigation Infrastructures 0.2.1996 - 12.1996 CONSTRUCTION AND DESIGN ENGINEER (Construction of dams and Irrigation Infrastructure) Ministry of Agriculture and Irrigation Infrastructures 0.2.1996 - 12.1996 CONSTRUCTION AND DESIGN ENGINEER (Construction of dams and Irrigation Infrastructures) Ministry of Agric			
O6.2005 - 01.2007 SCIENTIFIC COLLABORATOR Research: Rainwater Harvesting Technology for Small Households, Central University of Technology, Bloemfontein, South Africa 12.2004 - 06.2005 ASSISTANT RESEARCHER Research: Development and Evaluation of Continuous Simulation Modeling System for Design Flood Estimation. Faculty of Engineering, University of Kwazulu-Natal, Pietermaritzburg (Durban), South Africa 05.2000 - 02.2002 CONSTRUCTION ENGINEER (Construction of Hospital buildings) Entrean 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 (Construction of dams and irrigation infrastructure) Ministry of Agriculture, Asmara, Eritrea 02.1996 - 12.1996 CONSTRUCTION AND DESIGN ENGINEER (Construction of dams and irrigation infrastructures) Commission for the Rehabilitation of Sustainable Agriculture and Environment in Tigray Region (SAERT) Mekelle, Ethiopia Construction of dams and irrigation infrastructures) Commission for the Rehabilitation of Sustainable Agriculture and Environment in Tigray Region (SAERT) Mekelle, Ethiopia Construction of dams and irrigation infrastructures) Commission for the Rehabilitation of Sustainable Agriculture and Environment in Tigray Region (SAERT) Mekelle, Ethiopia Authorized Certificate), (GiS, Spatial Planning, UNIGE & EPFL, Geneva & Lausanne, Switzerland 2012 - 2019 AUTODESK CERTIFICATE Professional training in advanced 2D AutoCAD, Revit Architecture & advanced 3D Structure at CAD-School Geneva, Switzerland 2013 - 2015 FRENCH CERTIFICATE A2-C1 IFAGE and University of Geneva, Geneva, Switzerland 2014 - 2012 LAND USE PLANNING URBAN PLANNING Master in land use planning (MIT) HES-SO, Lausanne, Switzerland 2015 PRENCH CERTIFICATE PROJECTION SWITZERLAND PROJECTION SWITZERL	01.2014 - 03.2014	The department of Environment Transport and Agriculture (DETA),	
Research: Rainwater Harvesting Technology for Small Households Central University of Technology, Bloemfontein, South Africa 12.2004 - 06.2005 ASSISTANT RESEARCHER Research: Development and Evaluation of Continuous Simulation Modeling System for Design Flood Estimation. Faculty of Engineering, University of Kwazulu-Natal, Pietermaritzburg (Durban), South Africa 0.5.2000 - 02.2002 CONSTRUCTION ENGINEER (Construction of Hospital buildings) Eritrean defense force, Assab, Eritrea 0.1.1997 - 05.2000 CONSTRUCTION AND DESIGN ENGINEER (Construction of dams and irrigation infrastructure) Ministry of Agriculture, Asmara, Eritrea 0.2.1996 - 12.1996 CONSTRUCTION AND DESIGN ENGINEER (Construction of dams and irrigation infrastructures) Commission for the Rehabilitation of Sustainable Agriculture and Environment in Tigray Region (SAERT) Mekelle, Ethiopia 2.0.2.2021 CAS: GEOGRAPHICAL INFORMATION IN URBANISM (Post Graduate Certificate), CGIS, Spatial Planning, UNIGE & EPFL, Geneva & Lausanne, Switzerland 2.0.2.2021 CAS: GEOGRAPHICAL INFORMATION IN URBANISM (Post Graduate Certificate), CGIS, Spatial Planning, UNIGE & EPFL, Geneva & Lausanne, Switzerland 2.0.2.2011 CAS: GEOGRAPHICAL INFORMATION IN URBANISM (Post Graduate Certificate), CGIS, Spatial Planning, UNIGE & EPFL, Geneva & Lausanne, Switzerland 2.0.2.2012 CAS: GEOGRAPHICAL INFORMATION IN URBANISM (Post Graduate Certificate), CGIS, Spatial Planning, UNIGE & EPFL, Geneva, Suitzerland 2.2013 - 2015 FRENCH CERTIFICATE A2-C1 (FAGE and University of Geneva, Geneva, Switzerland 2.2014 CERTIFICAT DE FRANÇAIS A1-B2 Université de Fribourg, Fribourg, Switzerland 2.2015 MASTER OF SCIENCE IN HYDROLOGICAL ENGINEERING (MSCENG) University of Kwazulu-Natal, Pietermaritzburg and Durban, South Africa 2.2020 MASTER OF SCIENCE IN HYDROLOGICAL ENGINEERING (MSCENG) University of Kwazulu-Natal, Pietermaritzburg and Durban, South Africa 2.2032 PUBLICATIONS PUBLICATIONS PUBLICATIONS 1.2004 CAS: GEOGRAPHICAL INFORMATION ENGINEERING (MSCENG) University of Kwazulu-Natal	01.2008 - 04.2010	,	
Research: Development and Evaluation of Continuous Simulation Modeling System for Design Flood Estimation. Faculty of Engineering, University of Kwazulu-Natal, Pietermaritzburg (Durban), South Africa 05.2000 - 02.2002	<u>06.2005</u> - 01.2007	Research: Rainwater Harvesting Technology for Small Households,	
(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 (Construction of dams and irrigation infrastructures) Commission for the Rehabilitation of Sustainable Agriculture and Environment in Tigray Region (SAERT) Mekelle, Ethiopia EDUCATION 02. 2021- 06.2021 CAS: GEOGRAPHICAL INFORMATION IN URBANISM (Post Graduate Certificate), GGIS, Spatial Planning, UNIGE & EPFL, Geneva & Lausanne, Switzerland 2018 - 2019 AUTODESK CERTIFICATE Professional training in advanced 2D AutoCAD, Revit Architecture & advanced 3D Structure at CAD-School Geneva, Switzerland 2013 - 2015 FRENCH CERTIFICATE A2-C1 IFAGE and University of Geneva, Geneva, Switzerland 2011 - 2012 LAND USE PLANNING URBAN PLANNING Master in land use planning (MIT) HES-SO, Lausanne, Switzerland 2010 - 2011 CERTIFICAT DE FRANÇAIS A1-B2 Université de Fribourg, Fribourg, Suisse 2008 - 2010 DOCTORAL STUDENT IN GEOMATICS Faculty of Science, University of Fribourg, Switzerland 2002 - 2005 MASTER OF SCIENCE IN HYDROLOGICAL ENGINEERING (MSCENG) University of Kwazulu-Natal, Pietermaritzburg and Durban, South Africa BACHELOR OF SCIENCE IN IRRIGATION ENGINEERING (MSCENG) University of Kwazulu-Natal, Pietermaritzburg and Durban, South Africa BACHELOR OF SCIENCE IN IRRIGATION ENGINEERING (CIVIL ENGINEERING (BSCENG) Arba-Minch University, Formerly Arba-Minch Institute of Water Technology, Arba-minch, 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:	12.2004 - 06.2005	Research: Development and Evaluation of Continuous Simulation Modeling System for Design Flood Estimation. Faculty of Engineering, University of Kwazulu-Natal, Pietermaritzburg	
O1.1997 - 05.2000 CONSTRUCTION AND DESIGN ENGINEER (Construction of dams and irrigation infrastructure) Ministry of Agriculture, Asmara, Eritrea O2.1996 - 12.1996 CONSTRUCTION AND DESIGN ENGINEER (Construction of dams and irrigation infrastructures) Commission for the Rehabilitation of Sustainable Agriculture and Environment in Tigray Region (SAERT) Mekelle, Ethiopia EDUCATION O2. 2021- 06.2021 CAS: GEOGRAPHICAL INFORMATION IN URBANISM (Post Graduate Certificate), QGIS, Spatial Planning, UNIGE & EPFL, Geneva & Lausanne, Switzerland 2018 - 2019 AUTODESK CERTIFICATE Professional training in advanced 2D AutoCAD, Revit Architecture & advanced 3D Structure at CAD-School Geneva, Switzerland 2013 - 2015 FRENCH CERTIFICATE A2-C1 IFAGE and University of Geneva, Geneva, Switzerland 2011 - 2012 LAND USE PLANNING URBAN PLANNING Master in land use planning (MIT) HES-SO, Lausanne, Switzerland 2010 - 2011 CERTIFICAT DE FRANÇAIS A1-B2 Université de Fribourg, Fribourg, Suisse 2008 - 2010 DOCTORAL STUDENT IN GEOMATICS Faculty of Science, University of Fribourg, Switzerland 2002 - 2005 MASTER OF SCIENCE IN HYDROLOGICAL ENGINEERING (MSCENG) University of Kwazulu-Natal, Pietermaritzburg and Durban, South Africa BACHELOR OF SCIENCE IN IRRIGATION ENGINEERING (IVIL ENGINEERING) (BSCENG) Arba-Minch University, Formerly Arba-Minch Institute of Water Technology, Arba-minch, 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:	05.2000 - 02.2002	CONSTRUCTION ENGINEER	
O1.1997 - 05.2000 CONSTRUCTION AND DESIGN ENGINEER (Construction of dams and irrigation infrastructure) Ministry of Agriculture, Asmara, Eritrea O2.1996 - 12.1996 CONSTRUCTION AND DESIGN ENGINEER (Construction of dams and irrigation infrastructures) Commission for the Rehabilitation of Sustainable Agriculture and Environment in Tigray Region (SAERT) Mekelle, Ethiopia EDUCATION O2. 2021- 06.2021 CAS: GEOGRAPHICAL INFORMATION IN URBANISM (Post Graduate Certificate), QGIS, Spatial Planning, UNIGE & EPFL, Geneva & Lausanne, Switzerland 2018 - 2019 AUTODESK CERTIFICATE Professional training in advanced 2D AutoCAD, Revit Architecture & advanced 3D Structure at CAD-School Geneva, Switzerland 2013 - 2015 FRENCH CERTIFICATE A2-C1 IFAGE and University of Geneva, Geneva, Switzerland 2011 - 2012 LAND USE PLANNING URBAN PLANNING Master in land use planning (MIT) HES-SO, Lausanne, Switzerland 2010 - 2011 CERTIFICAT DE FRANÇAIS A1-B2 Université de Fribourg, Fribourg, Suisse 2008 - 2010 DOCTORAL STUDENT IN GEOMATICS Faculty of Science, University of Fribourg, Switzerland 2002 - 2005 MASTER OF SCIENCE IN HYDROLOGICAL ENGINEERING (MSCENG) University of Kwazulu-Natal, Pietermaritzburg and Durban, South Africa Africa 1991 - 1996 BACHELOR OF SCIENCE IN IRRIGATION ENGINEERING (IVIL ENGINEERING (BSCENG) Arba-Minch University, Formerly Arba-Minch Institute of Water Technology, Arba-minch, 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:			
(Construction of dams and irrigation infrastructure) Ministry of Agriculture, Asmara, Eritrea O 22.1996 - 12.1996 CONSTRUCTION AND DESIGN ENGINEER (Construction of dams and irrigation infrastructures) Commission for the Rehabilitation of Sustainable Agriculture and Environment in Tigray Region (SAERT) Mekelle, Ethiopia EDUCATION O 2. 2021- 06.2021 CAS: GEOGRAPHICAL INFORMATION IN URBANISM (Post Graduate Certificate), GGIS, Spatial Planning, UNIGE & EPFL, Geneva & Lausanne, Switzerland Professional training in advanced 2D AutoCAD, Revit Architecture & advanced 3D Structure at CAD-School Geneva, Switzerland TRACE and University of Geneva, Geneva, Switzerland TRACE and University of Geneva, Geneva, Switzerland CO11 - 2012 LAND USE PLANNING URBAN PLANNING Master in land use planning (MIT) HES-SO, Lausanne, Switzerland CO201 - 2011 CERTIFICAT DE FRANÇAIS A1-B2 Université de Fribourg, Fribourg, Suisse MASTER OF SCIENCE IN HYDROLOGICAL ENGINEERING (MSCENG) University of Kwazulu-Natal, Pietermaritzburg and Durban, South Africa MASTER OF SCIENCE IN IRRIGATION ENGINEERING (MSCENG) University of Kwazulu-Natal, Pietermaritzburg and Durban, South Africa MASTER OF SCIENCE IN IRRIGATION ENGINEERING (CVIL ENGINEERING) (BSCENG) Arba-Minch University, Formerly Arba-Minch Institute of Water Technology, Arba-minch, 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:		Entrean defense force, Assab, Entrea	░.
Ministry of Agriculture, Asmara, Eritrea 0 02.1996 - 12.1996 CONSTRUCTION AND DESIGN ENGINEER (Construction of dams and irrigation infrastructures) Commission for the Rehabilitation of Sustainable Agriculture and Environment in Tigray Region (SAERT) Mekelle, Ethiopia EDUCATION 0 2. 2021- 06.2021 CAS: GEOGRAPHICAL INFORMATION IN URBANISM (Post Graduate Certificate), QGIS, Spatial Planning, UNIGE & EPFL, Geneva & Lausanne, Switzerland 2018 - 2019 AUTODESK CERTIFICATE Professional training in advanced 2D AutoCAD, Revit Architecture & advanced 3D Structure at CAD-School Geneva, Switzerland 2013 - 2015 FRENCH CERTIFICATE A2-C1 IFAGE and University of Geneva, Geneva, Switzerland 2011 - 2012 LAND USE PLANNING URBAN PLANNING Master in land use planning (MIT) HES-SO, Lausanne, Switzerland 2010 - 2011 CERTIFICAT DE FRANÇAIS A1-B2 Université de Fribourg, Fribourg, Suisse 2008 - 2010 DOCTORAL STUDENT IN GEOMATICS Faculty of Science, University of Fribourg, Switzerland 2002 - 2005 MASTER OF SCIENCE IN HYDROLOGICAL ENGINEERING (MScENG) University of Kwazulu-Natal, Pietermaritzburg and Durban, South Africa 1991 - 1996 BACHELOR OF SCIENCE IN IRRIGATION ENGINEERING (MSCENG) University of Kwazulu-Natal, Pietermaritzburg and Durban, South Africa 1991 - 1996 BACHELOR OF SCIENCE IN IRRIGATION ENGINEERING (CIVIL ENGINEERING (BSCENG) Arba-Minch University, Formerly Arba-Minch Institute of Water Technology, Arba-minch, 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:	01.1997 - 05.2000		
 02.1996 - 12.1996 CONSTRUCTION AND DESIGN ENGINEER (Construction of dams and irrigation infrastructures) Commission for the Rehabilitation of Sustainable Agriculture and Environment in Tigray Region (SAERT) Mekelle, Ethiopia EDUCATION 02. 2021- 06.2021 CAS: GEOGRAPHICAL INFORMATION IN URBANISM (Post Graduate Certificate), QGIS, Spatial Planning, UNIGE & EPFL, Geneva & Lausanne, Switzerland 2018 - 2019 AUTODESK CERTIFICATE Professional training in advanced 2D AutoCAD, Revit Architecture & advanced 3D Structure at CAD-School Geneva, Switzerland 2013 - 2015 FRENCH CERTIFICATE A2-C1 IFAGE and University of Geneva, Geneva, Switzerland 2011 - 2012 LAND USE PLANNING URBAN PLANNING Master in land use planning (MIT) HES-SO, Lausanne, Switzerland 2010 - 2011 CERTIFICAT DE FRANÇAIS A1-B2 Université de Fribourg, Fribourg, Suisse 2008 - 2010 DOCTORAL STUDENT IN GEOMATICS Faculty of Science, University of Fribourg, Switzerland 2002 - 2005 MASTER OF SCIENCE IN HYDROLOGICAL ENGINEERING (MSCENG) University of Kwazulu-Natal, Pietermaritzburg and Durban, South Africa 1991 - 1996 BACHELOR OF SCIENCE IN IRRIGATION ENGINEERING CIVIL ENGINEERING (BSCENG) Arba-Minch University, Formerly Arba-Minch Institute of Water Technology, Arba-minch, 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: 		·	
(Construction of dams and irrigation infrastructures) Commission for the Rehabilitation of Sustainable Agriculture and Environment in Tigray Region (SAERT) Mekelle, Ethiopia EDUCATION 02. 2021- 06.2021 CAS: GEOGRAPHICAL INFORMATION IN URBANISM (Post Graduate Certificate), QGIS, Spatial Planning, UNIGE & EPFL, Geneva & Lausanne, Switzerland 2018 - 2019 AUTODESK CERTIFICATE Professional training in advanced 2D AutoCAD, Revit Architecture & advanced 3D Structure at CAD-School Geneva, Switzerland 2013 - 2015 FRENCH CERTIFICATE A2-C1 IFAGE and University of Geneva, Geneva, Switzerland 2011 - 2012 LAND USE PLANNING URBAN PLANNING Master in land use planning (MIT) HES-SO, Lausanne, Switzerland 2010 - 2011 CERTIFICAT DE FRANÇAIS A1-B2 Université de Fribourg, Fribourg, Suisse 2008 - 2010 DOCTORAL STUDENT IN GEOMATICS Faculty of Science, University of Fribourg, Switzerland 2002 - 2005 MASTER OF SCIENCE IN HYDROLOGICAL ENGINEERING (MScENG) University of Kwazulu-Natal, Pietermaritzburg and Durban, South Africa 1991 - 1996 BACHELOR OF SCIENCE IN IRRIGATION ENGINEERING [CIVIL ENGINEERING (BScENG) Arba-Minch University, Formerly Arba-Minch Institute of Water Technology, Arba-minch, 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:		William y of Agriculture, Ashiara, Ericica	
O2. 2021- 06.2021 CAS: GEOGRAPHICAL INFORMATION IN URBANISM (Post Graduate Certificate), QGIS, Spatial Planning, UNIGE & EPFL, Geneva & Lausanne, Switzerland 2018 - 2019 AUTODESK CERTIFICATE Professional training in advanced 2D AutoCAD, Revit Architecture & advanced 3D Structure at CAD-School Geneva, Switzerland 2013 - 2015 FRENCH CERTIFICATE A2-C1 IFAGE and University of Geneva, Geneva, Switzerland 2011 - 2012 LAND USE PLANNING URBAN PLANNING Master in land use planning (MIT) HES-SO, Lausanne, Switzerland 2010 - 2011 CERTIFICAT DE FRANÇAIS A1-B2 Université de Fribourg, Fribourg, Suisse 2008 - 2010 DOCTORAL STUDENT IN GEOMATICS Faculty of Science, University of Fribourg, Switzerland 2002 - 2005 MASTER OF SCIENCE IN HYDROLOGICAL ENGINEERING (MSCENG) University of Kwazulu-Natal, Pietermaritzburg and Durban, South Africa 1991 - 1996 BACHELOR OF SCIENCE IN IRRIGATION ENGINEERING (CIVIL ENGINEERING (BSCENG)) Arba-Minch University, Formerly Arba-Minch Institute of Water Technology, Arba-minch, 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:	02.1996 - 12.1996	(Construction of dams and irrigation infrastructures) Commission for the Rehabilitation of Sustainable Agriculture and	
(Post Graduate Certificate), QGIS, Spatial Planning, UNIGE & EPFL, Geneva & Lausanne, Switzerland 2018 - 2019 AUTODESK CERTIFICATE Professional training in advanced 2D AutoCAD, Revit Architecture & advanced 3D Structure at CAD-School Geneva, Switzerland FRENCH CERTIFICATE A2-C1 IFAGE and University of Geneva, Geneva, Switzerland LAND USE PLANNING URBAN PLANNING Master in land use planning (MIT) HES-SO, Lausanne, Switzerland CERTIFICAT DE FRANÇAIS A1-B2 Université de Fribourg, Fribourg, Suisse DOCTORAL STUDENT IN GEOMATICS Faculty of Science, University of Fribourg, Switzerland MASTER OF SCIENCE IN HYDROLOGICAL ENGINEERING (MSCENG) University of Kwazulu-Natal, Pietermaritzburg and Durban, South Africa MASTER OF SCIENCE IN IRRIGATION ENGINEERING (CIVIL ENGINEERING (BSCENG) Arba-Minch University, Formerly Arba-Minch Institute of Water Technology, Arba-minch, 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:	EDUCATION		
(Post Graduate Certificate), QGIS, Spatial Planning, UNIGE & EPFL, Geneva & Lausanne, Switzerland 2018 - 2019 AUTODESK CERTIFICATE Professional training in advanced 2D AutoCAD, Revit Architecture & advanced 3D Structure at CAD-School Geneva, Switzerland FRENCH CERTIFICATE A2-C1 IFAGE and University of Geneva, Geneva, Switzerland LAND USE PLANNING URBAN PLANNING Master in land use planning (MIT) HES-SO, Lausanne, Switzerland CERTIFICAT DE FRANÇAIS A1-B2 Université de Fribourg, Fribourg, Suisse DOCTORAL STUDENT IN GEOMATICS Faculty of Science, University of Fribourg, Switzerland MASTER OF SCIENCE IN HYDROLOGICAL ENGINEERING (MSCENG) University of Kwazulu-Natal, Pietermaritzburg and Durban, South Africa MASTER OF SCIENCE IN IRRIGATION ENGINEERING (CIVIL ENGINEERING (BSCENG) Arba-Minch University, Formerly Arba-Minch Institute of Water Technology, Arba-minch, 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:	002 2021- 06 2021	CAS- GEOGRAPHICAL INFORMATION IN LIPRANISM	
Professional training in advanced 2D AutoCAD, Revit Architecture & advanced 3D Structure at CAD-School Geneva, Switzerland 2013 - 2015 FRENCH CERTIFICATE A2-C1 IFAGE and University of Geneva, Geneva, Switzerland 2011 - 2012 LAND USE PLANNING URBAN PLANNING Master in land use planning (MIT) HES-SO, Lausanne, Switzerland 2010 - 2011 CERTIFICAT DE FRANÇAIS A1-B2 Université de Fribourg, Fribourg, Suisse 2008 - 2010 DOCTORAL STUDENT IN GEOMATICS Faculty of Science, University of Fribourg, Switzerland 2002 - 2005 MASTER OF SCIENCE IN HYDROLOGICAL ENGINEERING (MScENG) University of Kwazulu-Natal, Pietermaritzburg and Durban, South Africa 1991 - 1996 BACHELOR OF SCIENCE IN IRRIGATION ENGINEERING CIVIL ENGINEERING (BScENG) Arba-Minch University, Formerly Arba-Minch Institute of Water Technology, Arba-minch, 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:	02. 2021 00.2021	(Post Graduate Certificate), QGIS, Spatial Planning, UNIGE & EPFL,	
advanced 3D Structure at CAD-School Geneva, Switzerland PRENCH CERTIFICATE A2-C1 IFAGE and University of Geneva, Geneva, Switzerland LAND USE PLANNING URBAN PLANNING Master in land use planning (MIT) HES-SO, Lausanne, Switzerland CERTIFICAT DE FRANÇAIS A1-B2 Université de Fribourg, Fribourg, Suisse DOCTORAL STUDENT IN GEOMATICS Faculty of Science, University of Fribourg, Switzerland MASTER OF SCIENCE IN HYDROLOGICAL ENGINEERING (MScENG) University of Kwazulu-Natal, Pietermaritzburg and Durban, South Africa BACHELOR OF SCIENCE IN IRRIGATION ENGINEERING CIVIL ENGINEERING (BScENG) Arba-Minch University, Formerly Arba-Minch Institute of Water Technology, Arba-minch, 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:	0 2018 - 2019		
IFAGE and University of Geneva, Geneva, Switzerland 2011 - 2012 LAND USE PLANNING URBAN PLANNING Master in land use planning (MIT) HES-SO, Lausanne, Switzerland 2010 - 2011 CERTIFICAT DE FRANÇAIS A1-B2 Université de Fribourg, Fribourg, Suisse 2008 - 2010 DOCTORAL STUDENT IN GEOMATICS Faculty of Science, University of Fribourg, Switzerland 2002 - 2005 MASTER OF SCIENCE IN HYDROLOGICAL ENGINEERING (MScENG) University of Kwazulu-Natal, Pietermaritzburg and Durban, South Africa 1991 - 1996 BACHELOR OF SCIENCE IN IRRIGATION ENGINEERING CIVIL ENGINEERING (BScENG) Arba-Minch University, Formerly Arba-Minch Institute of Water Technology, Arba-minch, 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:			
 2011 - 2012	2013 - 2015		
Master in land use planning (MIT) HES-SO, Lausanne, Switzerland 2010 - 2011		IFAGE and University of Geneva, Geneva, Switzerland	
Master in land use planning (MIT) HES-SO, Lausanne, Switzerland 2010 - 2011	2011 - 2012	LAND USE PLANNING URBAN PLANNING	
Université de Fribourg, Fribourg, Suisse 2008 - 2010 DOCTORAL STUDENT IN GEOMATICS Faculty of Science, University of Fribourg, Switzerland 2002 - 2005 MASTER OF SCIENCE IN HYDROLOGICAL ENGINEERING (MScENG) University of Kwazulu-Natal, Pietermaritzburg and Durban, South Africa 1991 - 1996 BACHELOR OF SCIENCE IN IRRIGATION ENGINEERING CIVIL ENGINEERING (BScENG) Arba-Minch University, Formerly Arba-Minch Institute of Water Technology, Arba-minch, 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:		•	
 2008 - 2010 DOCTORAL STUDENT IN GEOMATICS Faculty of Science, University of Fribourg, Switzerland 2002 - 2005 MASTER OF SCIENCE IN HYDROLOGICAL ENGINEERING (MScENG) University of Kwazulu-Natal, Pietermaritzburg and Durban, South Africa 1991 - 1996 BACHELOR OF SCIENCE IN IRRIGATION ENGINEERING CIVIL ENGINEERING (BScENG) Arba-Minch University, Formerly Arba-Minch Institute of Water Technology, Arba-minch, 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: 	2010 - 2011	CERTIFICAT DE FRANÇAIS A1-B2	
Faculty of Science, University of Fribourg, Switzerland 2002 - 2005 MASTER OF SCIENCE IN HYDROLOGICAL ENGINEERING (MScENG) University of Kwazulu-Natal, Pietermaritzburg and Durban, South Africa 1991 - 1996 BACHELOR OF SCIENCE IN IRRIGATION ENGINEERING CIVIL ENGINEERING (BScENG) Arba-Minch University, Formerly Arba-Minch Institute of Water Technology, Arba-minch, 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:		Université de Fribourg, Fribourg, Suisse	
University of Kwazulu-Natal, Pietermaritzburg and Durban, South Africa 1991 - 1996 BACHELOR OF SCIENCE IN IRRIGATION ENGINEERING CIVIL ENGINEERING (BScENG) Arba-Minch University, Formerly Arba-Minch Institute of Water Technology, Arba-minch, 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:	2008 - 2010		
1991 - 1996 BACHELOR OF SCIENCE IN IRRIGATION ENGINEERING CIVIL ENGINEERING (BScENG) Arba-Minch University, Formerly Arba-Minch Institute of Water Technology, Arba-minch, 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:	2002 - 2005	University of Kwazulu-Natal, Pietermaritzburg and Durban, South	
PUBLICATIONS Tewolde MH and JC Smithers (2006) Flood routing in ungauged catchments using Muskingum methods. Journal of Water South Africa. <u>Journal</u> . • Other Publications are available at:	1991 - 1996	BACHELOR OF SCIENCE IN IRRIGATION ENGINEERING CIVIL ENGINEERING (BScENG) Arba-Minch University, Formerly Arba-Minch Institute of Water	
Tewolde MH and JC Smithers (2006) Flood routing in ungauged catchments using Muskingum methods. Journal of Water South Africa. <u>Journal</u> . • Other Publications are available at:	DUDUCATIO		
methods. Journal of Water South Africa. <u>Journal</u> , • Other Publications are available at:	PUBLICATIONS		
	methods. Journal of Water South Africa. <u>Journal</u> , • Other Publications are available at:		



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



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



079 392 2970

mtewolde@protonmail.com

51 Ch. de la Chevillarde

1224, Chène Bougeries Portfolio:

https://cv.hagoscon.com/pf

Driving License: B Swiss

Valid Work Permit

COMPUTER SCIENCE

ArcGIS, GISpro, WebGIS, QGIS, ArcSWAT, QSWAT3, GRASS GIS, CAO, Revit, Python, Civil Storm, Pond pack et Flow master, **HEC-RAS et HEC-HMS**

Word, Excel, PowerPoint, WordPress



English

language)

Professional Competence (B2-

Others Amharic & Tigrigna (Languages

of Ethiopia & Eritrea)