

## Detailed Descriptions of Historical AMU Projects

Partner country	Start - End	Project name	Brief description of the project and outcomes (may be possible to add a few notes on the contribution of each project?)	Project manager	Data source
Belgium	2019 - 2021	<i>Internet of Drops: Linking small data to get big data for water resources management</i>	Training; joint field course, installing sensors to measure hydro-climatic data funded by <b>VLIR-UOS</b> with a total budget of €98,000	Dr. Abdella Kemal, Mekuanent Muluneh	AWTI
	2018 - 2022	<i>Research-based Education for Sustainable Rural Development</i>	This project focuses on the quality of MSc graduates produced integrating research and education to livelihood development funded by <b>VLIR-UOS/JOINT</b> with a total budget of €134,534. Partner countries/Institutions: KU Leuven (Belgium), ETH-Zurich (Switzerland), Eldoret University (Kenya)	Dr. Simon Shibru	Dr. Simon Shibru
	2017 - 2026	<i>Institutional University Cooperation (AMU-IUC)</i>	Forty springs, forty nations, finding common ground for sustainable development in the South Ethiopian rift valley (Phase I & II): Sandwich Ph.D. education (18 + >10) in 4 Belgian universities and infrastructure funded by <b>VLIR-UOS</b> with a total budget of €5,360,000	Dr. Fassil Eshetu	<a href="https://iuc.mu.edu.et/">https://iuc.mu.edu.et/</a>
	2015 - 2019	<i>Vlir Enset TEAM project (Enset TEAM)</i>	Sustainable Enset farming systems for food security and livelihood improvement in Gamo highlands funded by <b>VLIR-UOS</b> with a total budget of €299,962	Dr. Fassil Eshetu	<a href="https://www.vliruos.be/en/projects/project/22?pid=2844">https://www.vliruos.be/en/projects/project/22?pid=2844</a>
	2012 - 2016	<i>Land and water research for sustainable livelihood in the south Ethiopian Rift Valley" – ZEIN2011PR384 (TEAM/STRIPES)</i>	Institutional capacity building both in academics and development funded by <b>VLIR-UOS/TEAM</b> with a total budget of €299,999. Partner countries/institutions: Belgium (KU Leuven & University of Antwerp)	Dr. Simon Shibru	Dr. Simon Shibru

<b>Djibouti</b>	2012 - 2015	<i>Reservoir water resources Management (AEFCMWRDRM)</i>	To assess the existing and future challenges of multi-purpose water resources developments and Reservoir Management funded by <b>IGAD</b>  with a total budget of €20,000. Partner countries/Institutions: JK-Kenya  MoWiE, Spate Irr., Sugar corpon, WWDSE, MU	Ermias Alemu	ANTI
<b>EU</b>	2018 - 2020	<i>Migration, governance, and agricultural and rural change in home communities - comparative from Europe, Asia, and Africa (ARGUMIG)</i>	Address a two-way relation between laver mobility and changes in Agri and the rural sector: Identification of strategies to promote safe and regular migration through supporting change in sending regions funded by the <b>EU</b> with a total budget of €45,288. Partner countries/Institutions: UK, Srilanka, Austria, Kyraz Republic, Rep of Moldova, Italy, Morocco, Nepal, Thailand, Kyrgyzstan, and Mekelle	Firew Tesfaye	Res. & Comm. V/P
	2011 - 2014	<i>Capacity linked to water and sanitation for Africa's peri-urban and rural areas (CLARA)</i>	Long term project of water, sanitation, and hygiene in Arba Minch and southern region: Strengthening the local capacity in water supply and sanitation sector funded by <b>EC</b> fp7 framework with a total budget of  €2,475,083. Partner countries/Institutions: Universitaet Bodenkultur Wien, Austria, and other 12 institutions in Europe and Africa	Dr. Feleke Woldeyes & Teshale Dalecha	<a href="https://cordis.europa.eu/project/id/265676">https://cordis.europa.eu/project/id/265676</a>
	2011 - 2014	<i>Water Harvesting Technologies Revisited: Potentials for Innovations, improvements, and Upscaling in Sub-Saharan Africa (WHaTeR)</i>	To contribute to the development of appropriate water harvesting techniques: Improve rural livelihood and increase food production in SSA  Funded by the <b>EU</b> with a total budget of €95726. Partner countries/Institutions: Univ of Amsterdam, Newcastle Univ,	Dr Adane Abebe, Dr Guchie, Mr. Ermias, Dr Samuel D	Res. & Comm. V/P

			Stockholm Resilience Center, Univ of Kwuazulu, Sokoine Univ, Southern & Eastern Rainwater Network (Ken), National Institute for Environ & Agric Res. (Burkina Faso)		
	2006 - 2010	<i>Resource-Oriented Sanitation concepts for peri-urban areas in Africa (ROSA)</i>	Route to sustainable sanitation and to meet the UN MDGs: An implementation study of the updated WHO guidelines for use of waste and excreta, the improvement/adaptation of resource-oriented sanitation technologies, and the development of community-based operation and management strategies funded by <b>EC</b> fp6 framework with a total budget of €2,900,000. Partner countries/Institutions: Universitaet Bodenkultur Wien, Austria, and other 12 institutions in Europe and Africa	Dr. Ababu T., Dr Kinfe Kassa	http://rosa.bo ku.ao.at/  <a href="https://cordis.europa.eu/project/id/37025">https://cordis.europa.eu/project/id/37025</a>
Germany	2021 - 2021	<i>Youth/School engagement in Forest Land Restoration in Lake Chamo Catchment (YEFLR)</i>	Youth/School engagement in Forest Land Restoration in Lake Chamo Catchment funded by <b>GIZ</b> with a total budget of €24,997	Dr. Berhanu Lemma	CAS
	2013 - 2016	<i>Applied Entrepreneurship Education Programme (AEEP)</i>	Education and entrepreneurship integration: to develop and implement an applied entrepreneurship education program for AMU MSc electrical power engineering graduate program funded by <b>DAAD</b> with a total budget of €503,000	Dr. Guchie G.	Res. & Comm. V/P
	2004 - 2007	<i>German support on education and research</i>	Lake Abaya Research Symposium (LARS 2004) was held at Addis Ababa; Field Course on hydrological field measurements organized by <b>U Siegen</b> ; IWMNet (Network on Integrated Watershed Management Eastern Africa); master's programme on integrated watershed; management was designed; AWTI established research partnership and funding from International Water Management Institute ( <b>IWMI</b> ); One lecturer was invited for a study visit to Dresden/Germany ( <b>DAAD</b> sponsored) ('06); PhD student		<a href="https://pdfsli.de.net/documents/assistance-to-arba-minch-water-technology-institute-awti-to-arba-minch-water-technology.html">https://pdfsli.de.net/documents/assistance-to-arba-minch-water-technology-institute-awti-to-arba-minch-water-technology.html</a>

		<p>received training on dendro-chronology techniques in Wageningen (NL) for enhancing his hydrological database by proxy data; LARS 2007 is held at Arba Minch University – as an international research conference on Lake and Catchment topics; Start of the EU Water Facility Project (IWMNet – U Siegen, AMU, KU, UDSM, GTZ, IWMI, and DAAD) with U Siegen as applicant/coordinator and AMU as one of the partners to strengthen the regional Master’s Programme on Integrated Watershed Management; The Expert Seminar on IWRM in Bagamoyo/Tanzania and in collaboration with the GTZ Water Sector Reform Programme in Tanzania) is organized by U Siegen within the German Water Alumni Network (GAWN) of which AMU lecturers are members; e-learning in IWM is started at Kenyatta University as a measure of the Network on IWM of which AMU is a partner</p> <p>GTZ/DAAD/Goethe Institute/U Siegen/FU Berlin/EU. Partner countries/Institutions: Kenya, Tanzania, Uganda, IWMI, Kenyatta University, and AAU</p>		
2003 - 2003	<i>International Field Course</i>	<p>International Field Course on Watershed Management organized by FU Berlin, U Siegen, and AWTI; Lake Research (DFG sponsored) was started by researchers from <b>U Siegen</b> and <b>FU Berlin</b> on lake sediments; International Hydrological Conference, Dresden. The establishment of Lake Research Station was started; AWTI was selected national applied training institute for Ethiopia within the Nile Basin Initiative (NBI) funded by <b>DAAD, GTZ, DFG</b>. Partner countries/Institutions: Kenya, Tanzania, Jimma, and Awassa Universities</p>		See the above link

1992 - 1992	<i>Start of Assistance to AWTI Project</i>	The project is the follow-up of earlier support for the training of waterworks funded by <b>BMZ</b> , executed by GTZ/RODECO.	See the above link
1992 - 2002	<i>Project Evaluation Mission</i>	To re-start the German project support after the change of Government: exchange of staff and students (1993); Support of the hydraulic laboratory with research equipment ( <b>U Siegen</b> ) ('94); Implementation of Infrastructure (Water Quality Laboratory, Library) and training of technicians (workshops) was terminated (implemented by <b>RODECO</b> ) ('94); the 1st PhD student started his studies on Water Resources Assessment in Lake Abaya Chamo Basin in Germany ( <b>TU Dresden/U Siegen</b> ) ('95); Design of AWTI Water Journal completed ('96); The Integrated Water Resources Development Programme was started for enhancing research; capacity of AWTI in cooperation with U Siegen and TU Dresden; Two German visiting lecturers worked at AWTI (irrigation and geotechnical engineering) ( <b>CIM</b> financed) to support the teaching activities ('96-98); The 1st AWTI Symposium on Sustainable Water Resources Development was held and established a series of annual national conferences in water resources research ('97); The 10th Anniversary of AWTI was honored by the official visit from the German Ambassador and the Registrar of U Siegen ('97); 3 AWTI lecturers went to Germany for their PhD studies on sediment transport and water quality in the tributaries to Lake Abaya (TU Dresden/U Siegen) ('00); Seleshi Bekele Awulachew graduated as the first AWTI lecturer with a PhD degree from a German University ( <b>TU Dresden</b> ) ('01); Expansion of hydrological and meteorological network started for sustainable lake and catchment research ('01); Field research on soil erosion risk assessment in Bilate River	See the above link

			<p>Catchment started by a German PhD student (<b>U Siegen/FU Berlin</b>) ('02); International Field Course on Watershed Management organized by U Siegen, U Trier and AWTI for an international and interdisciplinary group of students ('02); Expansion Programme of AWTI started and AWTI grew to have 4 faculties and one graduate school ('02); Extensive field research conducted on Lake Abaya of a German Master student (U Trier) funded by <b>U Siegen/U Munich, DAAD, GTZ</b>.</p>		
	1986 - 1986	<i>Establishment of the Arba Minch Water Technology Institute by the Ethiopian Water Resources Commission</i>	<p>The establishment of AWTI was supported with major contributions by the <b>EU</b>, German Government, Government of the Soviet Union &amp; other donors: establishment of workshops, water, hydraulic and geotechnical laboratories, etc. Funded by <b>BMZ</b>, executed by <b>GTZ/RODECO</b>. Partner countries/Institutions: The Ethiopian Water Resources Commission</p>		See the above link
	1979 - 1990	<i>Training of Water Works Personnel within the Context of the Programme "Water Supply for 83 Towns"</i>	<p>Training of waterworks personnel was done at the beginning at the "Provisional Arba Minch Training Centre": Training of plumbers, mechanics, electricians, technical managers funded by <b>BMZ</b>, executed by <b>GTZ/RODECO</b>. Partner countries/Institutions: Ethiopian Water Resources Authority (EWRA) &amp; Urban Water and Sewerage Authority (UWSA)</p>		See the above link
<b>Germany &amp; Switzerland</b>	2009 -	<i>Sahay Solar Project (Sahay Solar)</i>	<p>Solar Electrification of rural health centers &amp; Schools in Gamo &amp; Gofa Zones (phase I &amp; II): Improved health and School Services supported by the Sahay Solar Association Africa e.v. Partner countries/Institutions: University of Applied Sciences &amp; Arts of Southern Switzerland (<b>SUPSI</b>), Lucerne University of Applied Sciences and Arts, and Gamo &amp; Gofa Zones</p>	Zelalem G., Engidaw A., Sodessa S.	<a href="http://sahay-solar.org/?lang=en">http://sahay-solar.org/?lang=en</a>

<b>Italy</b>	2021 - 2023	<i>ICGEB Enset Project (AMU-ICGEB)</i>	Examination of the interaction between <i>Leuconostoc Mesenteroides</i> and <i>Lactobacillus Plantarum</i> for safe and quality enset ( <i>Ensete ventricosum</i> ) fermentation supported by <b>ICGEB</b> with a total fund of €45,000	Dr. Addisu Fekadu	<a href="https://www.icgeb.org/">https://www.icgeb.org/</a>
<b>Kenya</b>	2021 - 2023	<i>AMU-Villgro-Africa enset project (Lucy Enset)</i>	Promotion of value-added enset based-food products in East Africa  Funded by <b>Villgro Africa</b> with a total budget of €16,305	Dr. Addisu Fekadu	<a href="https://villgroafrica.org/">https://villgroafrica.org/</a>
<b>Netherlands</b>	2018 - 2020	<i>Bilateral Ethiopia Netherlands Efforts for Food, Income, and Trade Partnership in Ethiopia (BENEFIT REALIZE)</i>	Enhancing Agri productivity: Livelihood improvement in the southern region supported by <b>Wageningen UR</b> with a total budget of €226,149. Partner countries/Institutions: Hawassa, SNNPR Agri office	Dr. Mebratu Alemu	Res. & Comm. V/P
	2015 - 2019	<i>Understanding and forecasting food security in Ethiopia: a new, high-spatial-resolution coupled agrometeorological model</i>	Establishment of the Gamo Ethiopian Meteorological Stations Network ( <b>GEMS</b> ) (6 Automatic Weather Stations [AWS], currently 9 AWS and 6 tipping buckets) in the Gamo highlands and support of a Ph.D. education in Wageningen UR funded by <b>Nuffic</b> with a budget of €11,580	Dr. Thomas Torora	<a href="https://research.wur.nl/en/projects/understanding-and-forecasting-food-security-in-ethiopia-a-new-high">https://research.wur.nl/en/projects/understanding-and-forecasting-food-security-in-ethiopia-a-new-high</a>
	2007 - 2010	<i>Education Quality Improvement Program (EQIP)</i>	Support academic development resource center funded by <b>NPT</b> with a total budget of €13,000	Dr. Anto Arkato	Res. & Comm. V/P
	2015 - 2019	<i>NICHE-97-Small Scale irrigation project (NICHE-97)</i>	Capacity building and improving the performance of small-scale irrigation in Ethiopia funded by <b>Nuffic</b> . Partner countries/Institutions: HW, BD, MU, JU, DU, HU		
	2021 - 2022	<i>BRIGHT FUTURE IN AGRICULTURE-SOUTH (BFA-SOUTH): QUALITY AND EMPLOYABILITY OF ETHIOPIAN ATVET GRADUATES IN HORTICULTURE (BFA-South)</i>	As Bright Future in Agriculture - South (BFA-South), this project is targeting explicitly the South region of Ethiopia (the axis Addis Ababa – Hawassa – Arba Minch), rich in vegetable and fruit production with high export opportunities and linkages with the Dutch horticultural businesses. It is based on the notion that improving the quality	Prof. Dr. Yisehak Kechero	<a href="https://www.amu.edu.et/1720-amu-likely-to-sign-big-ticket-project-worth-17-million-with-msm">https://www.amu.edu.et/1720-amu-likely-to-sign-big-ticket-project-worth-17-million-with-msm</a>

			and employability of ATVET graduates necessitates changes on the local, regional and federal levels through triple helix partnerships. Introducing some new partners, BFA-South explicitly aims to integrate these new partners in the existing BFA learning network and as such envisages coming to a mutually beneficial capacity building in both projects supported by <b>NUFFIC</b> with a total budget of €1,468,903. Partner countries/Institutions: TVET colleges		
Norway	2014 2026	<i>The Norwegian Programme for Capacity Development in Higher Education and Research for Development (NORAD) in Norway (NORAD-SENUPH I &amp; II)</i>	The South Ethiopia Network of Universities in Public Health phase I & II (SENUPH I & II): improving women's participation in post-graduate education and capacity building in the health system supported by <b>NORAD</b> with a total budget of  €217,044	Dr. Fekadu Massebo	<a href="https://senuph.w.uib.no/senu-ph-i-project-2014-2020/arba-minch-university/">https://senuph.w.uib.no/senu-ph-i-project-2014-2020/arba-minch-university/</a> ; <a href="https://senuph.w.uib.no/senu-ph-ii-project/">https://senuph.w.uib.no/senu-ph-ii-project/</a>
	2007 - 2012	<i>Ethiopian Malaria Prediction System (EMAPS)</i>	Incorporate climate variability and forecast information for malaria epidemics has been developed supported by <b>NUFU</b> . Partner countries/Institutions: AAU, NMA, AMU,	Bernt Lindtjorn	<a href="https://www.uib.no/en/cih/72048/ethiopian-malaria-prediction-system-empas">https://www.uib.no/en/cih/72048/ethiopian-malaria-prediction-system-empas</a>
Spain		<i>Strengthening Agroforestry Programmes in Higher Education for Food Security in Sub-Saharan Africa – SAPHE</i>	Capacity building through initiating master programs in beneficiary universities in Ethiopia (AMU & Wondo-Genet College of Forestry and Natural Resources) and West Africa: Short-term (i.e., 6 months) training for staff from Department of Forestry provided; A master program, Master of Science in Agroforestry, opened under the department of Forestry. Books and other (field equipment's provided funded by the <b>University of Valladolid</b> . Partner countries/Institutions: West Africa countries, Wondo-	Yonas Ugo	

			Genet College of Forestry and Natural Resources		
<b>Switzerland</b>	2009 - 2022	<i>The rural-urban nexus: Establishing a nutrient loop to improve city region food system resilience (RUNRES)</i>	The vision of RUNRES is to establish, through transdisciplinary innovation platforms, locally important value chains (i.e., fruit, coffee, cassava, vegetables) and rural and urban waste recycling solutions to generate an improved flow of resources to improve the resilience of rural-urban food systems. Funded by the <b>Swiss Agency for Development and Cooperation</b> with a total budget of €557,337. Partner countries/Institutions: Switzerland (ETH-Zurich), South Africa (University of Kwazulu-Natal), DRC, and Rwanda (ITTA)	Dr. Simon Shibru	
<b>UK</b>	2006 - 2007	<i>Biocultural seminar</i>	Awareness creation on Biocultural conservation and dissemination of information supported by the <b>Christensen Fund</b> with a total budget of €18,000	Dr. Simon Shibru	
<b>USA, UK</b>	2015 - 2021	<i>Conservation of Yams and Yam Bio-cultural Knowledge in South West Ethiopia (Yam)</i>	Promoting in situ conservation via the establishment of village yam: Compiling data on yam cultivation status, diversity, management practices, and local knowledge associated with yam supported by The <b>Christenson Fund</b> and Kew Royal Botanic Gardens	Dr. Feleke G., Dr Tizazu Gebre	
<b>USA</b>	2012 - 2013	<i>Lately Dayu Small-scale irrigation project in Ethiopia</i>	Introducing gravity irrigation: Improving household food security  <b>Oxfam</b> America	Dr Negash, Dr Kassa, Dr. Mokonnen	
	2012 - 2013	<i>Improving HIV/AIDS/STI/TB Related public health practice and service delivery</i>	Strengthening health service system in Ethiopia: Strengthening health service system in Ethiopia supported by <b>CDC USA</b>	Bereket Tefera	

	2004 -	<i>Post-secondary Education Project (DIF)</i>	Capacity building supported by <b>World Bank</b> with a budget of €270,672	Dr. Simon Shibru	
<b>World Bank</b>	2009 - 2010	<i>General Education Quality Improvement Program (GEQUIP)</i>	Support teacher education programs supported by <b>World Bank</b> . Partner institution: MoE	Dr. Tesfaye Habtemariam	
	?	<b>DFID</b>			
<b>Ethiopia</b>	2019 - 2022	<i>Innovative enset project (AMU-EBTi)</i>	Innovative Enset Technology for gentle processing, value-added products, safe storage, and longer shelf life funded by <b>EBTi</b> with a total budget of €121,257	Dr. Addisu Fekadu	<a href="http://www.ebti.et">www.ebti.et</a>
	2021 - 2021	<i>integrated post MDA coverage validation survey of the national school-based deworming campaign (NTD)</i>	conducting post MDA coverage validation survey of the national school-based deworming campaign: Improve the coverage of the national school deworming program supported by the <b>Ministry of Health- Ethiopia, EPHI, SCI, End fund</b>	Tsegaye Yohanes	
	2019 - 2019	<i>Independent Monitoring of Ethiopia's School-Based Deworming Program and Training on Lymphedema Morbidity Management and Disability Prevention training for health care providers and NTD focal from selected districts of SNNPR, Ethiopia, 2020 (NTD)</i>	Independent Monitoring activity of the national school-based deworming, providing training for Health professionals on LEDMM improve the overall quality of lymphedema morbidity management and disability prevention in the region: Improve the national school deworming program and reduce NTDs morbidity and mortality supported by <b>Ministry of health-Ethiopia, EPHI, SCI, End fund</b>	Tsegaye Yohanes	
	2018 - 2018	<i>Independent Monitoring of Ethiopia's School-Based Deworming Program and conducting post MDA coverage validation survey of the national school-based deworming campaign (NTD)</i>	Independent Monitoring of Ethiopia's School-Based Deworming Program and conducting post MDA coverage validation survey of the national school-based deworming campaign: Improve the national school deworming program and reduce NTDs morbidity and mortality additionally Improve the coverage of the national school deworming program supported	Zerihun Zerdo	

		by <b>Ministry of health-Ethiopia,</b> <b>EPHI, SCI, End fund</b>		
2017 - 2018	<i>Maximizing the development and safe utilization of Moringa Stenopetala through an interdisciplinary investigation approach (Moringa-EPHI)</i>	Maximizing the benefits obtained from moringa supported by <b>MoST</b> with a total budget of €160,467. Partner countries/Institutions: EPHI, EBI, EFRI, AAU, Konso	Dr. Simon Shibru	
2017 - 2017	<i>Independent Monitoring of Ethiopia's School-Based Deworming Program and conducting post MDA coverage validation survey of the national school-based deworming campaign (NTD)</i>	Independent Monitoring of Ethiopia's School-Based Deworming Program and conducting post MDA coverage validation survey of the national school-based deworming campaign: Improve the national school deworming program and reduce NTDs morbidity and mortality additionally Improve the coverage of the national school deworming program supported by <b>Ministry of health- Ethiopia,</b> <b>EPHI, SCI, End fund</b>	Tigist Gezmu	
2016 - 2016	<i>Independent Monitoring of Ethiopia's School-Based Deworming Program (NTD)</i>	Independent Monitoring activity of the national school-based deworming: Improve the national school deworming program and reduce NTDs morbidity and mortality supported by <b>Ministry of health- Ethiopia, EPHI, SCI, End fund</b>	Tigist Gezmu	
2015 - 2017	<i>Climate change on water resources, flood risk modeling in the lower reach of the Omo-Gibe basin</i>	To assess the effect of climate change, flood risk, and early warning for lower OMO sub-basin funded by <b>MOWiE</b> with a total budget of €10,000. Partner countries/Institutions: MoWiE	Dr. Abdella Kemal	
2015 - 2015	<i>Independent Monitoring of Ethiopia's School-Based Deworming Program (NTD)</i>	Independent Monitoring activity of the national school-based deworming: Improve the national school deworming program and reduce NTDs morbidity and mortality funded by <b>Ministry of health- Ethiopia, EPHI, SCI, End fund</b>	Tigist Gezmu	
2014 -	<i>ERA Program (ERA)</i>	To produce staff trained in hydraulic, Road, Geotechnical, structural, and construction	Dr. Alemayeh,	

2020		technology and management stream supported by <b>ERA</b> . Partner countries/Institutions: HU, JU, AU, ASTU, BDU	Silent, Dr. Demelash	
?	<i>Efficacy of pesticides against major pests in maize, wheat, cotton, sesame, potato, tomato, onion, etc (Efficacy)</i>	MoA		