



Community-based Longitudinal Study on the Changes in Water Quality, Quantity, Prevalence of Diarrhea and Water, Sanitation and Hygiene (WASH) Practices Overtime and Under Varying Meteorological/Climate Variables in Kersa District, Eastern Ethiopia (WASH-WHO)

Project name/Title	Community-based Longitudinal Study on the Changes in Water Quality, Quantity, Prevalence of Diarrhea and Water, Sanitation and Hygiene (WASH) Practices Overtime and Under Varying Meteorological/Climate Variables in Kersa District, Eastern Ethiopia	
Donor/funding organization	World Health Organization  World Health Organization www.who.int/	
Name(s) of partner institution(s)[Name and logo of partner organization/ University and country]	Haramaya University  www.haramaya.edu.et	
Lead institution	Haramaya University	
Duration (Start year - end year)	March 31, 2016	March 30, 2018
Total budget (in USD, Use current exchange rate if other currencies)	9,310,295.38	
Annual Budget (in USD)	4,655,147.69	
Contribution of HU, if applicable	Project office and vehicle	
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Number of project staff	1
College and school/department hosting the project (if any)	College of Health and Medical Sciences
Project overall goal and specific objectives:	<p>General objectives</p> <p>To determine the changes in water quality, quantity, prevalence of diarrhea and Water, Sanitation and Hygiene (WASH) practices overtime and under varying meteorological conditions among households with access to improved water source in Kersa district, Eastern Ethiopia</p> <p>Primary objectives of the study are to:</p> <ol style="list-style-type: none"> 1. To determine relative contribution of behavioural, environmental, socio-economic and technical factors to changes in household water quality during different short term variations in meteorological variables. 2. To assess the seasonal variability on the quality of drinking water at sources and home 3. To assess on the seasonal variability on the quantity of drinking water used at household level. 4. To determine the spatial variability of quality of drinking water associated with improved water sources <p>Secondary objectives</p> <ol style="list-style-type: none"> 1. To determine the relative contribution of behavioral, environmental, socio-economic and technical factors to changes in prevalence of during short term variation in meteorological variables diarrhea among under-five children. 2. To determine the spatial variability of diarrhea associated with improved water sources.
Target beneficiaries of the project:	Community