


Awash Basin Sedimentation Modeling

Project name/Title	Awash Basin Sedimentation Modeling	
Donor/funding organization	Awash Basin Authority  www.awba.gov.et/	
Name(s) of partner institution(s)[Name and logo of partner organization/ University and country]	Awash Basin Authority 	
Lead institution	Haramaya University/Haramaya Institute of Technology	
Duration (Start year - end year)	March 2015	
Total budget (in USD, Use current exchange rate if other currencies)	9.8 million birr	
Annual Budget (in USD)	-	
Contribution of HU, if applicable	-	
Name and address (telephone and email) of project coordinator/PI from HU	Asfaw Kebede and Fekadu Beyene	
Name and address (telephone and email) of other project members (if any)	-	
Number of project staff	18	
College and school/department hosting the project (if any)	Haramaya Institute of Technology	
Project overall goal and specific objectives:	The overall objective of the “Awash River Basin Sedimentation Modelling Study” (ARBSMS) project is to test and recommend best sedimentation model for sustainable watershed planning, development and management of effective land and water resource uses in the	

	<p>Basin.</p> <p>The project specific objectives include the following:</p> <ul style="list-style-type: none"> • To assess the effect of existing sedimentation in a river and to forecast for future, • To establish modern sedimentation modeling mechanism by updating previous studies (if any), • To identify the extent of sedimentation modeling problem of the Awash River basin area, • To classify the area into various sedimentation modeling extents for the purpose of technically, environmentally acceptable watershed management options, • To develop rainfall erosivity and soil erodibility map based on available climatic and watershed characteristics data • To prepare erosion risk/hazard map of the basin and prioritize sub-watersheds/basins based on various criteria for watershed development • Investigation of different scenarios of conservation practices for reduction of sedimentation problem under changing environment (land use and climate) • To prepare data base for sedimentation modelling and watershed management
Target beneficiaries of the project:	Awash Basin Authority