

Annex I. Schematic Representation of the modeling procedure

K= Soil erodibility calculated from soil type map

 $LS\mbox{=}$ slope length and percentage of the slope which will be calculated from purchased topographic maps

 $C\!\!=\!$ land use cover of the area, will be calculated from the purchased aerial photo of the area.

P= soil erosion conservation factor obtained from the aerial photo and confirmed by ground truth.

 $R\mbox{=}$ the erosivity factor of the rainfall; will be calculated from the purchased observed meteorological data.

Soil erosion model= Universal Soil Loss Equation (Morgan 2005).

Aquacrop Model= model to be used for future agricultural land use cover coefficient (C) estimation.

Annex II. Research action plan

Activities	2017								2018												
	May	June	July	Aug	Sept	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sept	Oct	Nov	Dec	
Field visit for data collection (travel to Ethiopia)																					
Data arrangement, summarization and analysis																					
Brainstorming for conference paper production; conference paper writing																					
Conference participation																					
Journal article preparation First draft paper completion																					
Paper submission to impact factor journal																					