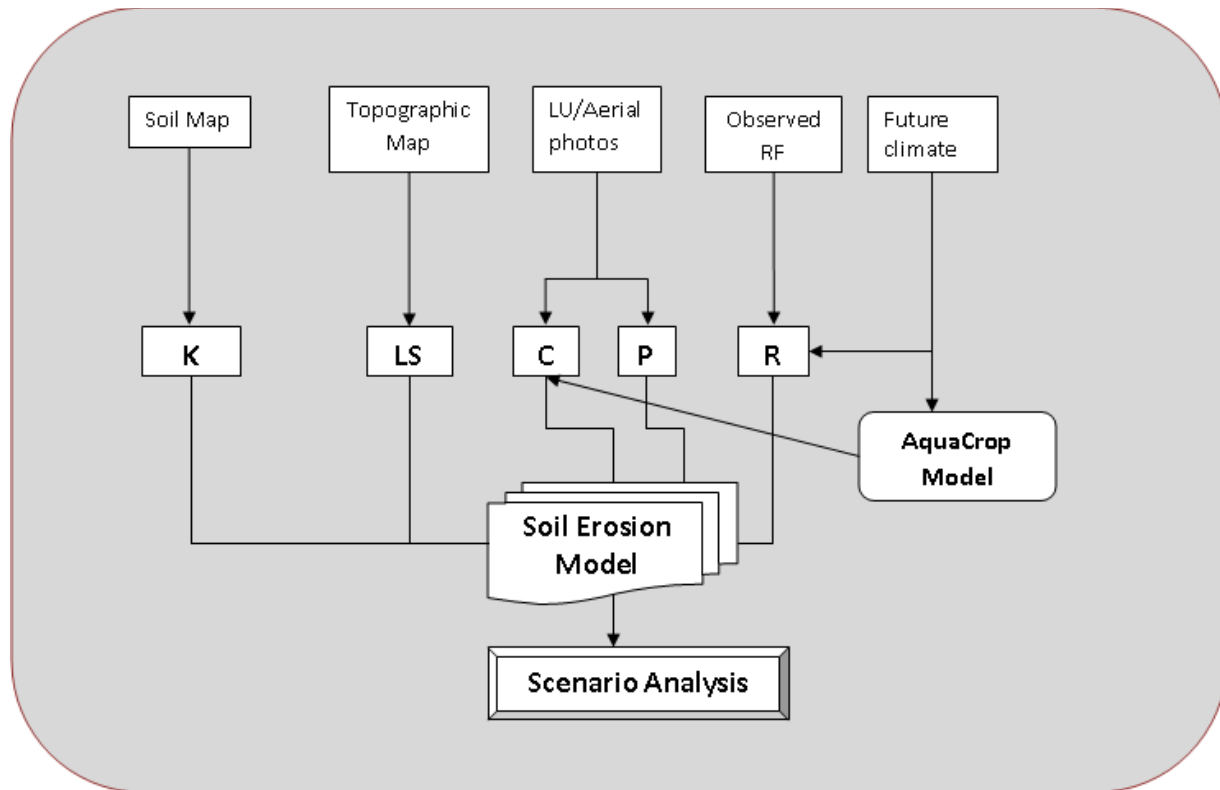


Annex I. Schematic Representation of the modeling procedure



K= Soil erodibility calculated from soil type map

LS= 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= 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.

