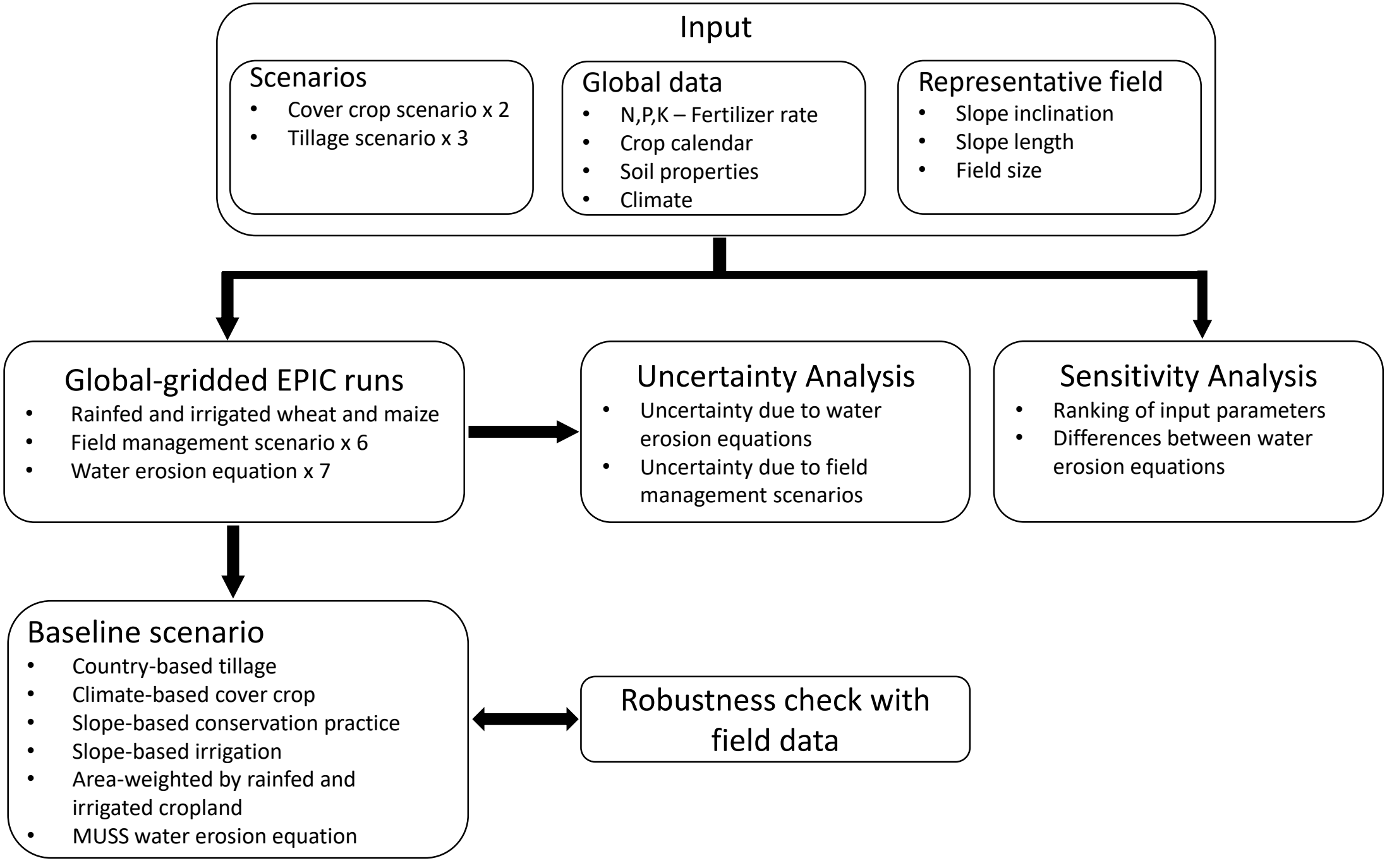
Input
Scenarios
Cover crop scenario x 2
Tillage scenario x 3
Global data
N,P,K – Fertilizer rate
Crop calendar
Soil properties
Climate
Representative field
Slope inclination
Slope length
Field size
Global-gridded EPIC runs
Rainfed and irrigated wheat and maize
Field management scenario x 6
Water erosion equation x 7
Uncertainty Analysis
Uncertainty due to water erosion equations
Uncertainty due to field management scenarios
Sensitivity Analysis
Ranking of input parameters
Differences between water erosion equations
Baseline scenario
Country-based tillage
Climate-based cover crop
Slope-based conservation practice
Slope-based irrigation
Area-weighted by rainfed and irrigated cropland
MUSS water erosion equation
Robustness check with field data