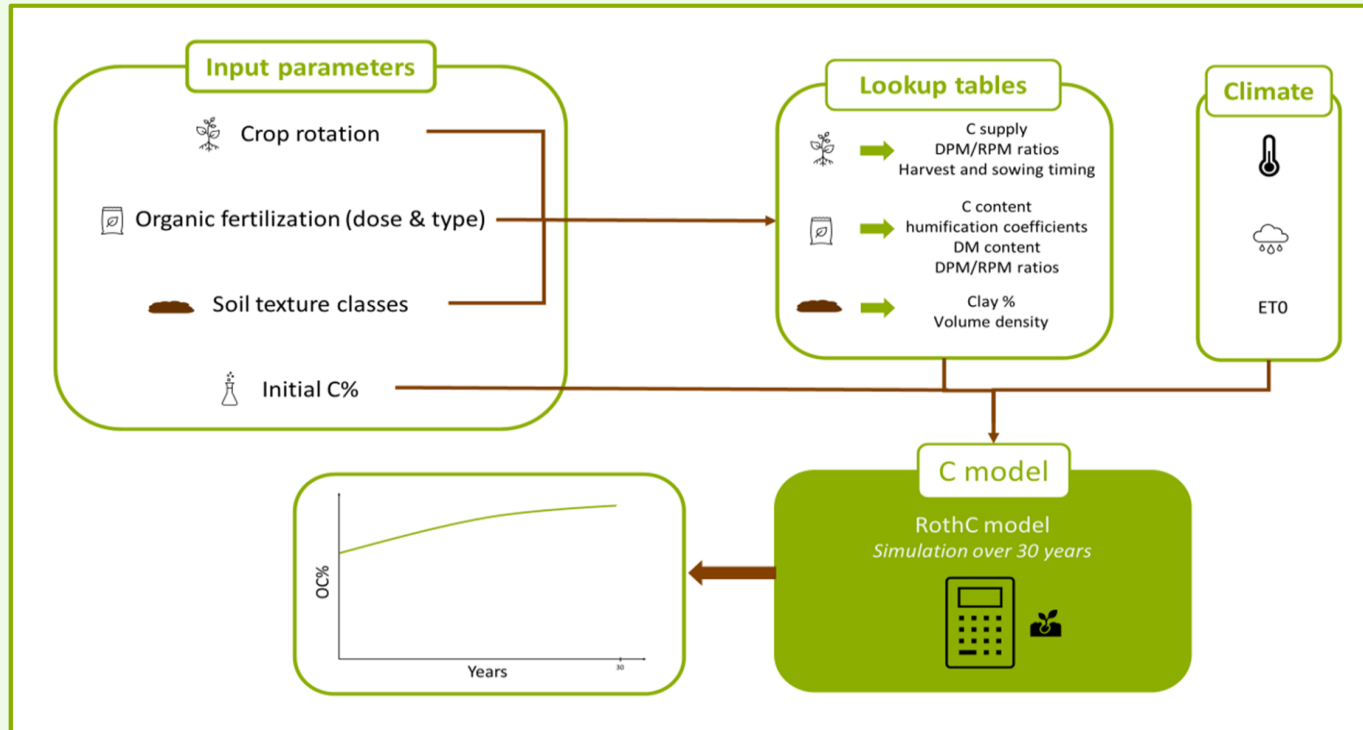


Sensitivity analysis of a Roth-C based model

BeSOCC model

- ❖ **Roth-C based** model to calculate the overturn of SOC in agricultural fields calibrated for Flanders



- ❖ **Sensitivity analysis:** How do the parameters impact the outcome of the model?
 - Updates BeSOCC model + high uncertainty input parameters used for simulation on Flanders' arable fields
 → Need for sensitivity analysis

Methodology

Selection of parameters

Selection of analysis methods

Global sensitivity analysis

Selection of scenarios