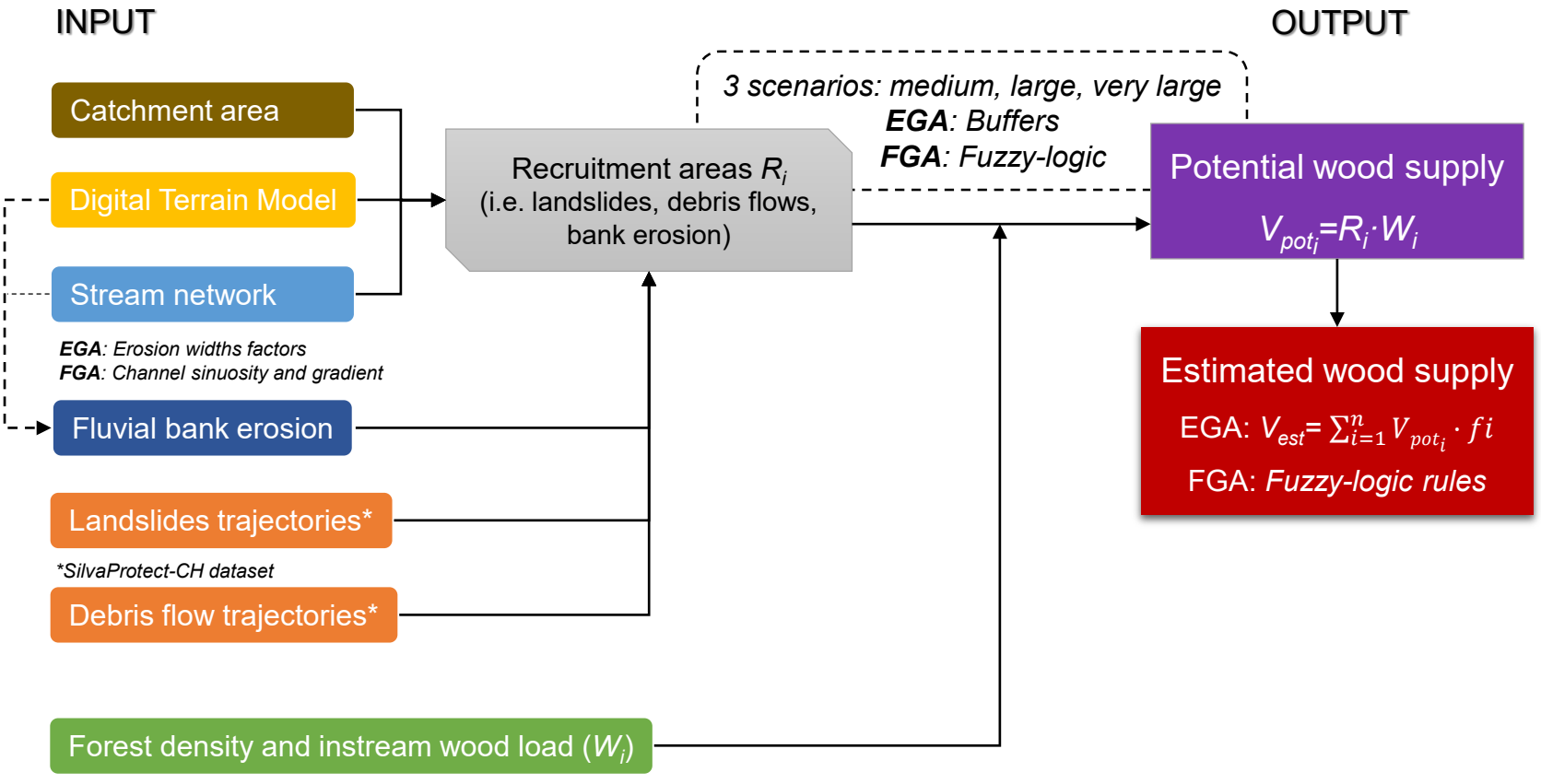
INPUT
OUTPUT
Catchment area
Digital Terrain Model
Stream network
EGA: Erosion widths factors
FGA: Channel sinuosity and gradient
Fluvial bank erosion
Landslides trajectories*
*SilvaProtect-CH dataset
Debris flow trajectories*
Forest density and instream wood load (W_i)
Recruitment areas R_i
(i.e. landslides, debris flows, bank erosion)
3 scenarios: medium, large, very large
EGA: Buffers
FGA: Fuzzy-logic
Potential wood supply
$V_{pot_i}=R_i \cdot W_i$
Estimated wood supply
EGA: $V_{est}= \sum_{i=1}^{n} V_{pot_i} \cdot fi$
FGA: Fuzzy-logic rules