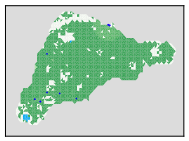
Variable
Process ("?" = conditional process)
Global Parameter (or Additional Info)
Human Environment Interaction
Variable Dependency

Agent i of N_{Agents}

Agent Properties

Location (t)



Population Size
$pop_i(t)$

Tree Preference
$T_{Pref,\ i}(t-1)$

0 1
$T_{Pref,\ min}$ $T_{Pref,\ max}$

Resource Acquisition

$T_{Req,\ pP}$

Tree Harvest

Trees cut $T_i(t)$

Required $T_{Req,\ i}(t)$

Farming

Produce $F_i(t)$

Required $F_{Req,\ i}(t)$

$F_{Req,\ pP}$

Local Environment

Search Radii r_T, r_F

Environment

Cell c of N_c

Geographic Properties

Area A(c)
Midpoint (c_x,c_y)
Elevation el(c)
Slope sl(c)

Current Nr of Trees T(c,t)

Tree Carrying Capacity $T(c,t=t_{arrival})$

Trees

Example Cell

Tree

Cut or Burnt Tree

Productivity index $F_{PI}(c,t)$

- ⊗ Well-suited
- ○ Eroded
- ○ Poorly suited
- ○ 0 (not suited)

Farming

Example Cell

4
3
2
1

Nr of Acres $A_{acres}(c)$ =

+ Uncleared Acres

+ Unoccupied, Cleared Acres

+ Occupied Acres $A_F(c,t)$