

Start of experiment trial

Legend

Trial factor

Time loop

Initial conditions phase

Initiate grid with random elevation

Evolve landscape

Reached steady state?

Identify streams networks/zones

Populate zones with species

Perturb phase

Perturb elevation

Evolve landscape

Evolve species

Reached steady state?

Save model response

Evolve landscape

Uplift

Stream incision

Hillslope diffusion

Evolve species

Update zones

Evaluate macro-evolution rules

Initial elevation seed

A_c

P_m

No

Yes

No

Yes

U

K

k_d

A_c

TAS

