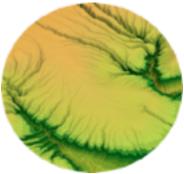
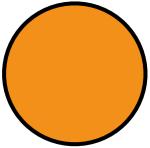
Testing erosion laws - generic models

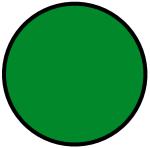




























\frown I



кm

fixed boundaries

Uplift = 0.2 mm/yr

Precipitation = 1 m/a

km I1 . Zmax ^{*}

 i_4 : $z_{max} = 65 \text{ m}$

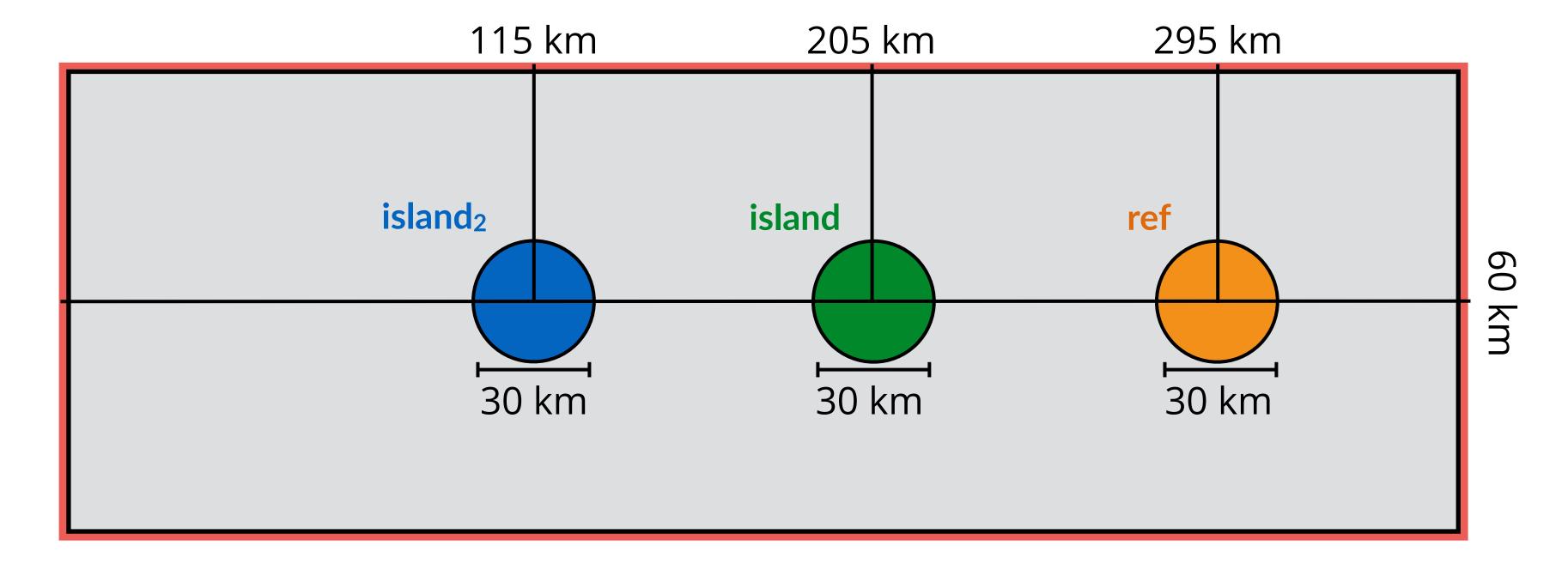
i_3 : $z_{max} = 650 \text{ m}$

i_2 : $z_{max} = 200 \text{ m}$



Initial setting

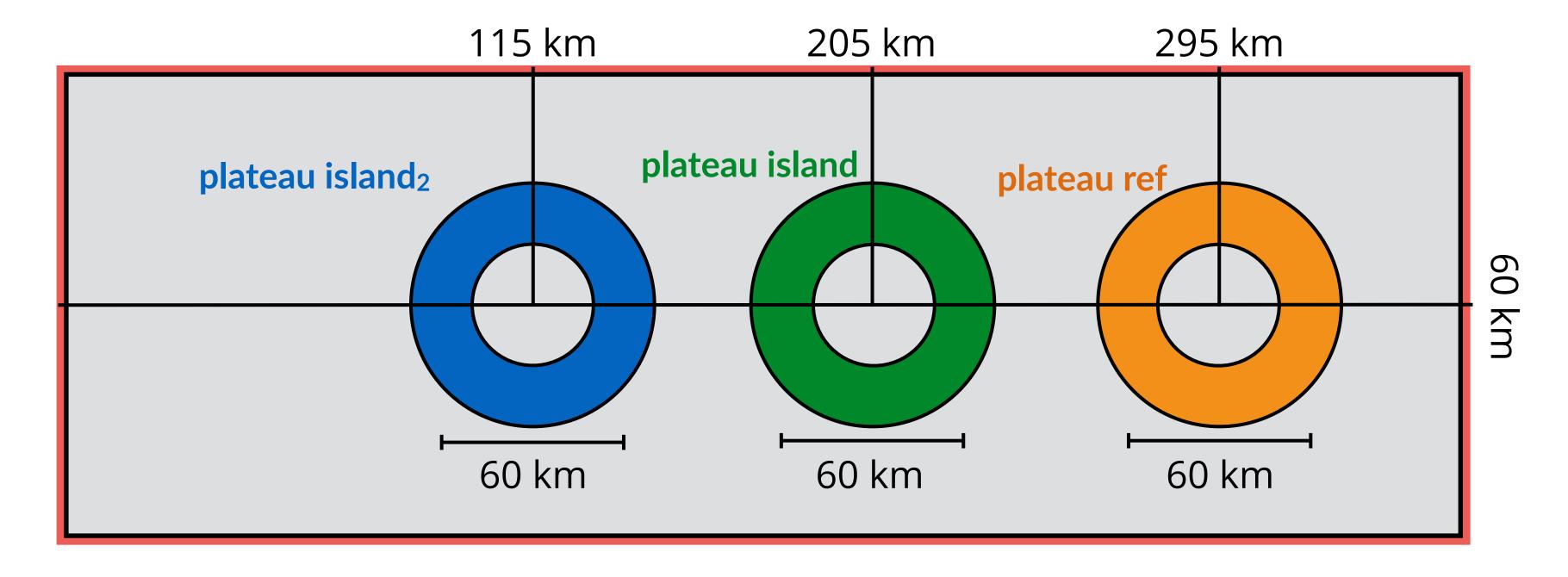
Central regions (islands) comparisons



Metrics compared:

- 1- Elevation change
- 2- Cumulative erosion
- 3- Erosion rate

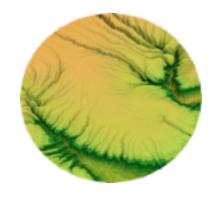
Plateaus regions comparisons



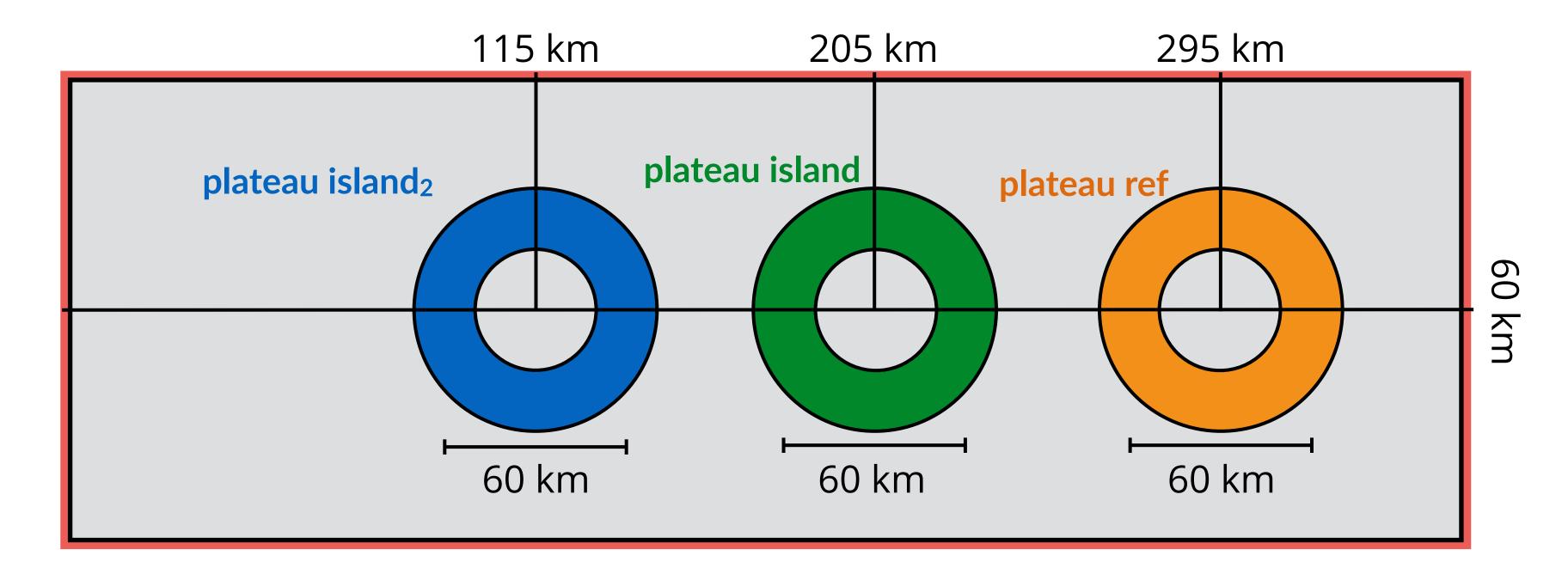
Metrics compared:

- 1- Elevation change
- 2- Cumulative erosion
- 3- Erosion rate

Testing erosion laws - generic models



Plateaus regions comparisons



Metrics compared:

- 1- Elevation change
- 2- Cumulative erosion
- **3- Erosion rate**

Testing erosion laws - detachment-limited case

