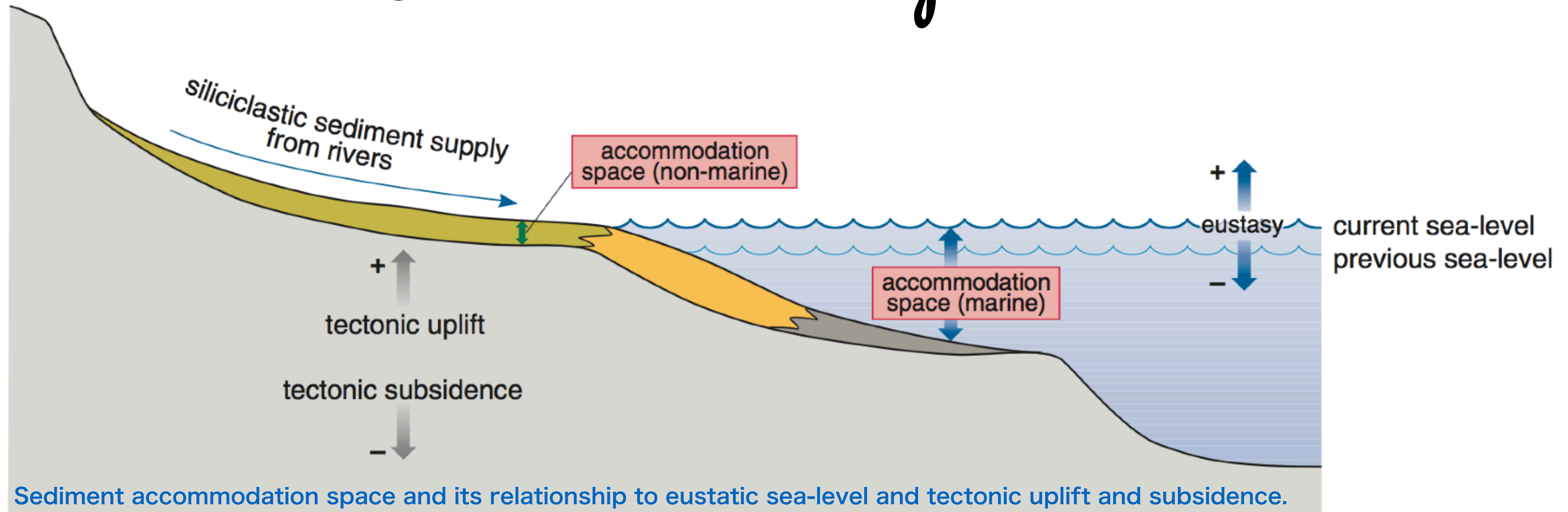


Accommodation space



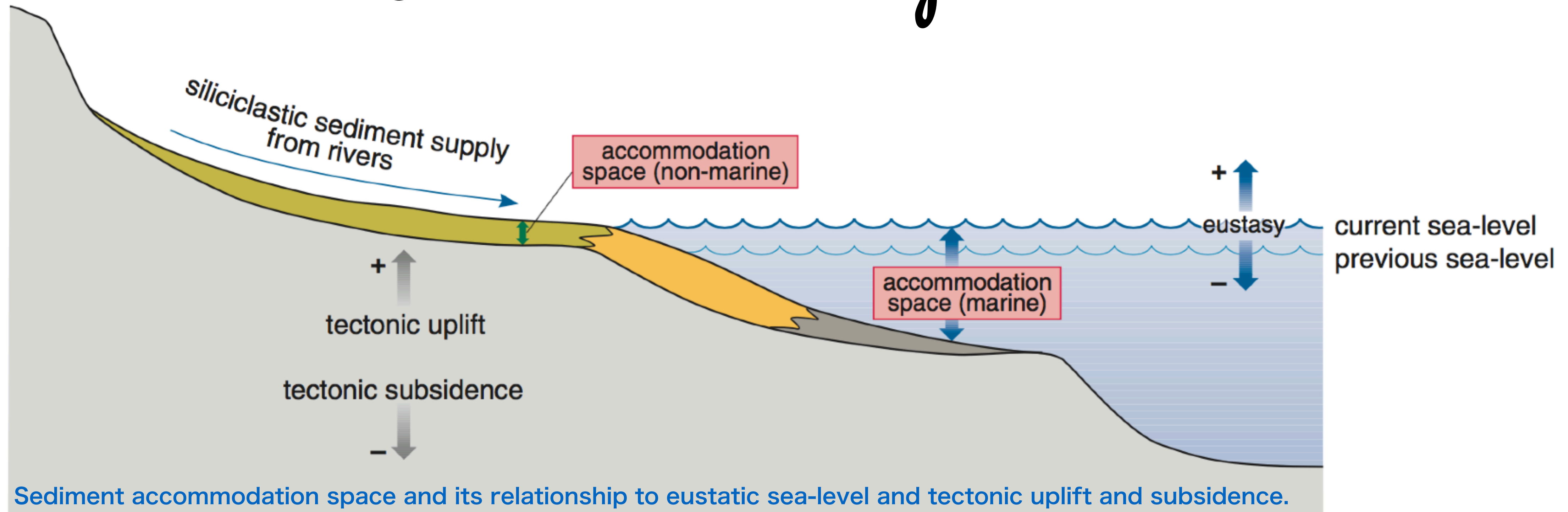
Changes in relative sea-level controlled by both **eustatic sea-level fluctuations** & **tectonic subsidence/uplift**.

Eustasy & tectonic subsidence act independently of each other:

eustatic sea-level fall + higher rate of subsidence = relative sea-level rise -> increase in accommodation space

Relative sea-level is used as an all encompassing term for eustatic and tectonic changes and can be directly equated to changes in marine accommodation space.

Accommodation space



Zero accommodation space available = sediments transported to an area of (positive) accommodation.

areas of zero accommodation space are sites of sediment by-pass

Negative accommodation space = previously deposited sediments are **eroded** and **transported**

Sedimentary systems are trying to achieve and preserve an **equilibrium profile**:

available accommodation space is balanced by the amount of sediment supplied.