

Li isotopic composition

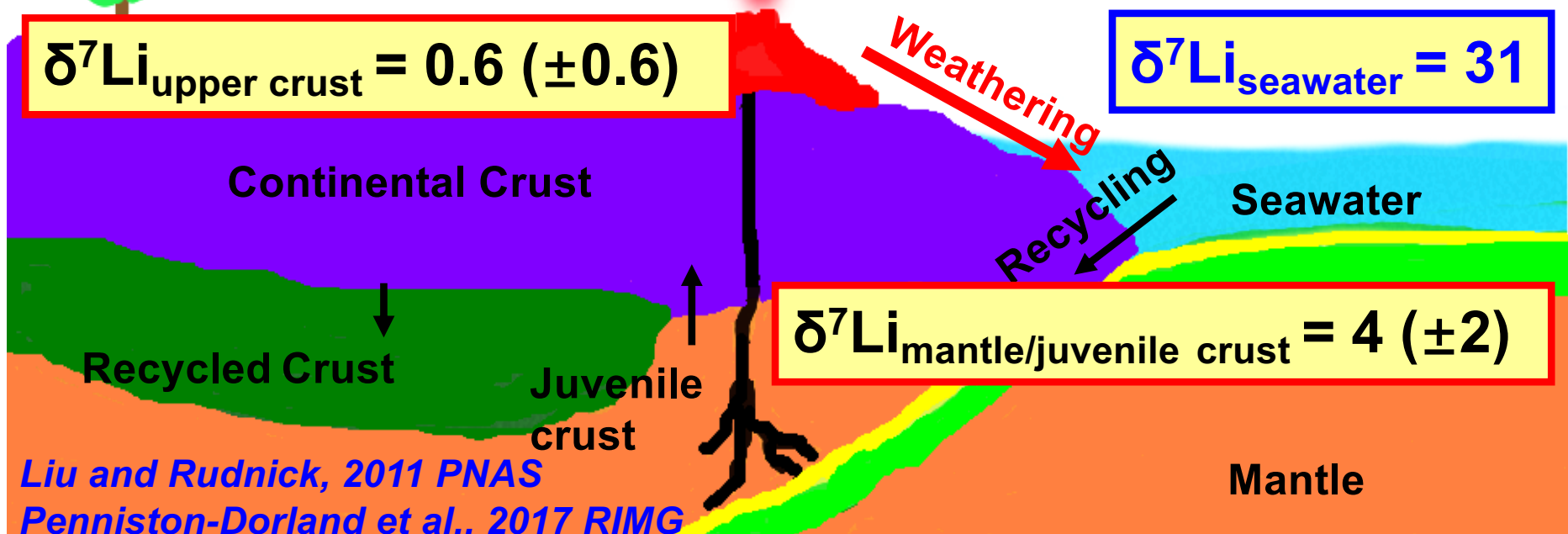
1. Water heavy, regolith light
2. Rivers: variable $\delta^7\text{Li}$
3. Seawater: high $\delta^7\text{Li}$



$$\delta^7\text{Li}_{\text{river}} = 23 \text{ (1-44)}$$

$$\delta^7\text{Li}_{\text{upper crust}} = 0.6 \text{ } (\pm 0.6)$$

$$\delta^7\text{Li}_{\text{seawater}} = 31$$



Liu and Rudnick, 2011 PNAS

Penniston-Dorland et al., 2017 RIMG