

## Continental Demise-Sediment Subduction, Subduction Erosion and Crustal Delamination

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Continental materials return back to the mantle through sediment subduction, subduction erosion, and crustal delamination at the convergent boundaries (continental demise). Recent quantitative estimation of continental growth and demise suggests that mass of demise is larger than growth. This means that continents have been decreasing and upper mantle may be significantly contaminated by continental materials. A new concept of crustal delamination have not been neither well-documented nor well-quantified so far but a very key to understanding material circulation within the solid earth. I discuss about a research strategie to document the crustal delamination and continental demise.