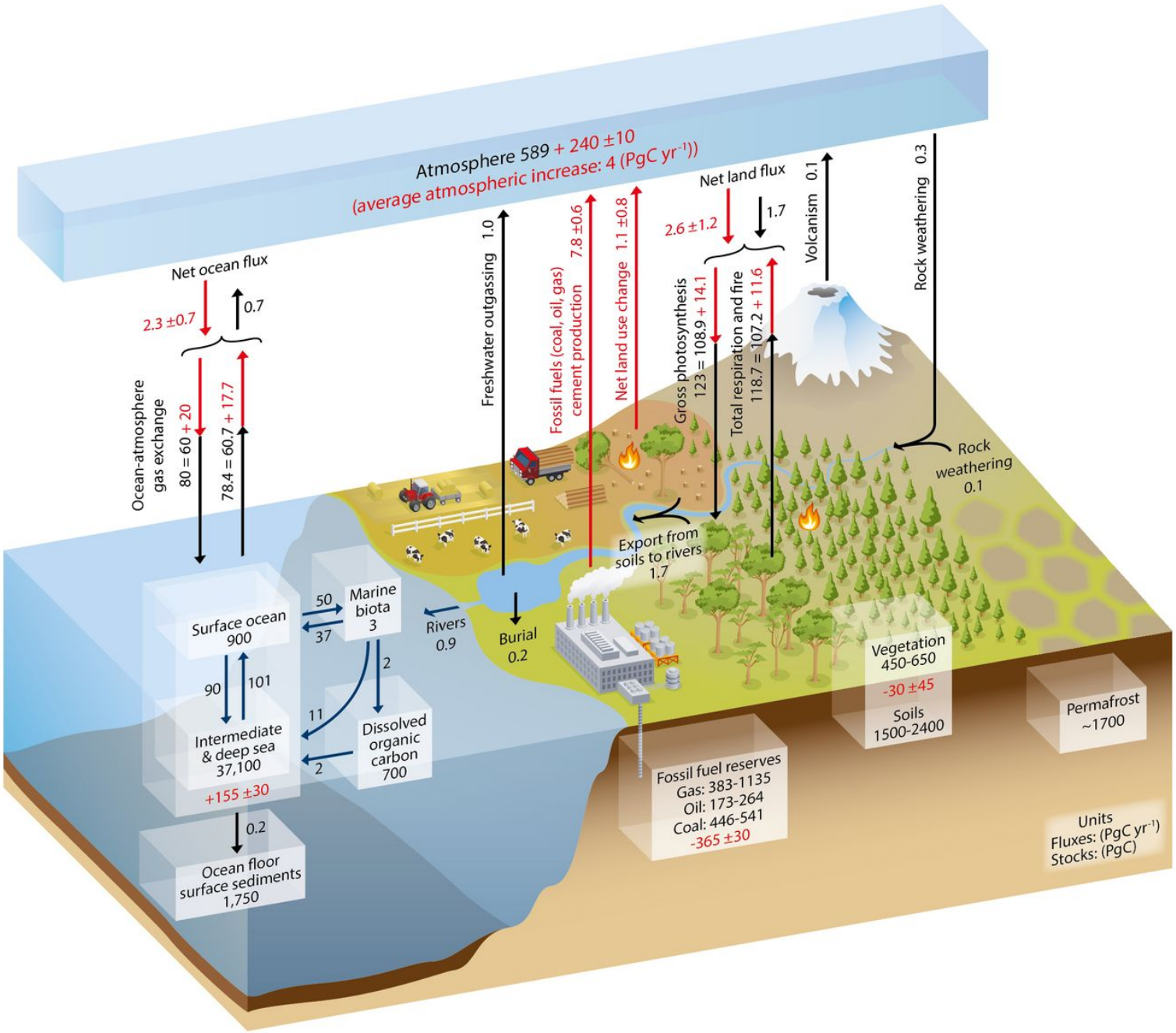
Modeling Human Impact on Earth's Carbon Cycle: Diagram



The Carbon Cycle. Numbers in boxes represent reservoir mass, also called carbon stocks, inventories, or storage in PgC (1 Pg = 1015g = 1 Gt). 2.1 PgC = 1 ppm atmospheric CO2. Numbers next to arrows indicate fluxes in PgC/yr. Black numbers and arrows represent estimates of the natural (pre-industrial) carbon cycle. Red numbers and arrows indicate estimates of anthropogenic effects for 2000-2009. From Ciais et al. (2013). [*Image from ipcc.ch.*]