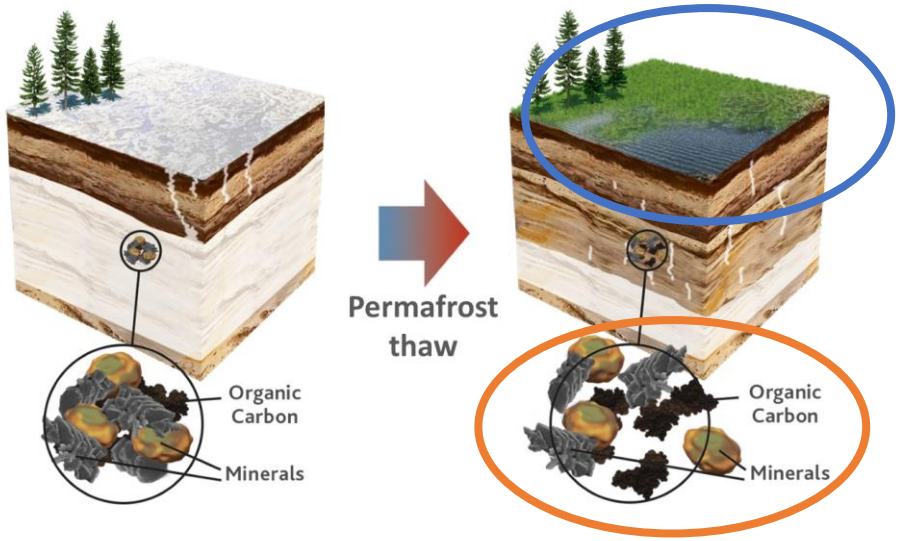
Permafrost thaw influences **conditions** for **mineral**-organic carbon **interactions**



Mineral elements interacting with organic carbon

Monhonval et al. (2021) Iron Redistribution upon Thermokarst Processes in the Yedoma Domain, doi:10.3389/feart.2021.703339

Monhonval et al. (2021) Mineral Element Stocks in the Yedoma Domain: A Novel Method Applied to Ice-Rich Permafrost Regions, doi.org/10.3389/feart.2021.703304

Mineral elements affected by changes in water saturation

Hirst C. et al. 2020. Silicon isotopes reveal a non-glacial source of silicon to Crescent Stream, McMurdo Dry Valleys, Antarctica, doi: 10.3389/feart.2020.00229

Opfergelt S. 2020. The next generation of climate model should account for the evolution of mineral-organic interactions with permafrost thaw, doi.org/10.1088/1748-9326/ab9a6d

Ongoing synthesis (call for data): Mineral elements (Si, Al, Fe, K, Ca, Mg, Na, Mn,...) in sites characterized for OC stocks and freeze-thaw history to nail down changing mineral-OC interactions

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