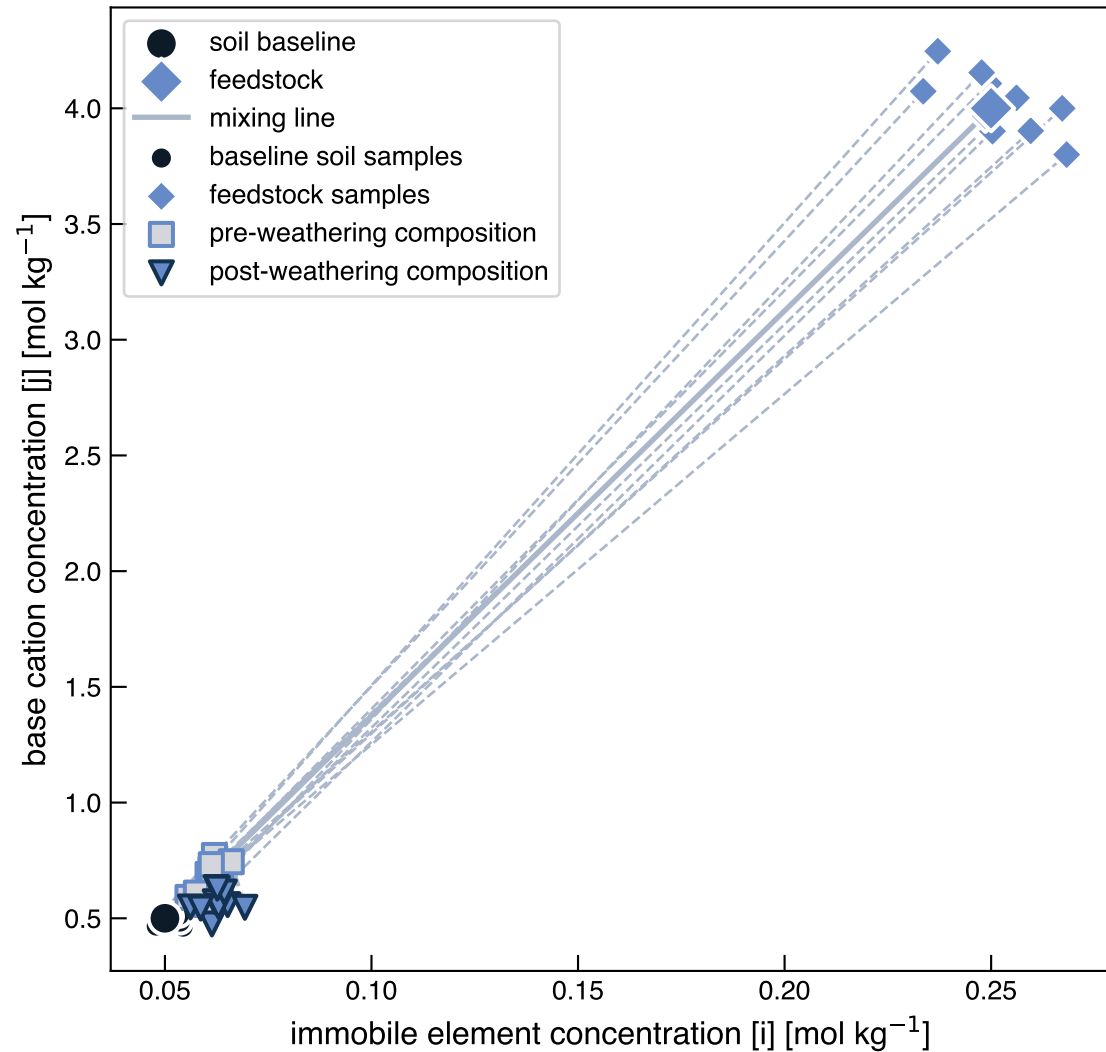**a) Demonstration of SOMBA framework**

b) zoom

Legend:
- soil baseline
- feedstock
- mixing line
- baseline soil samples
- feedstock samples
- pre-weathering composition
- post-weathering composition

x-axis: immobile element concentration [i] [mol kg^{-1}]

y-axis: base cation concentration [j] [mol kg^{-1}]