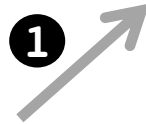
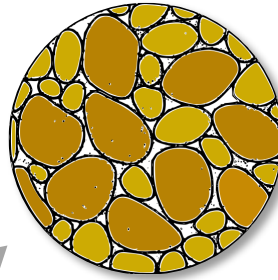


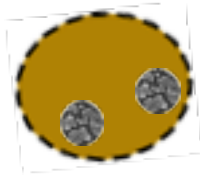
Top-down constraints  
based on data from intact soils



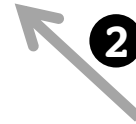
**ABM:**  
**Aggregate-based modelling framework**



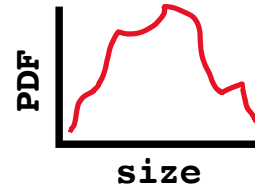
Characterization  
of aggregate reactors



Traditional fractionation



Distribution  
of aggregate reactor size



Tomography(+machine learning)