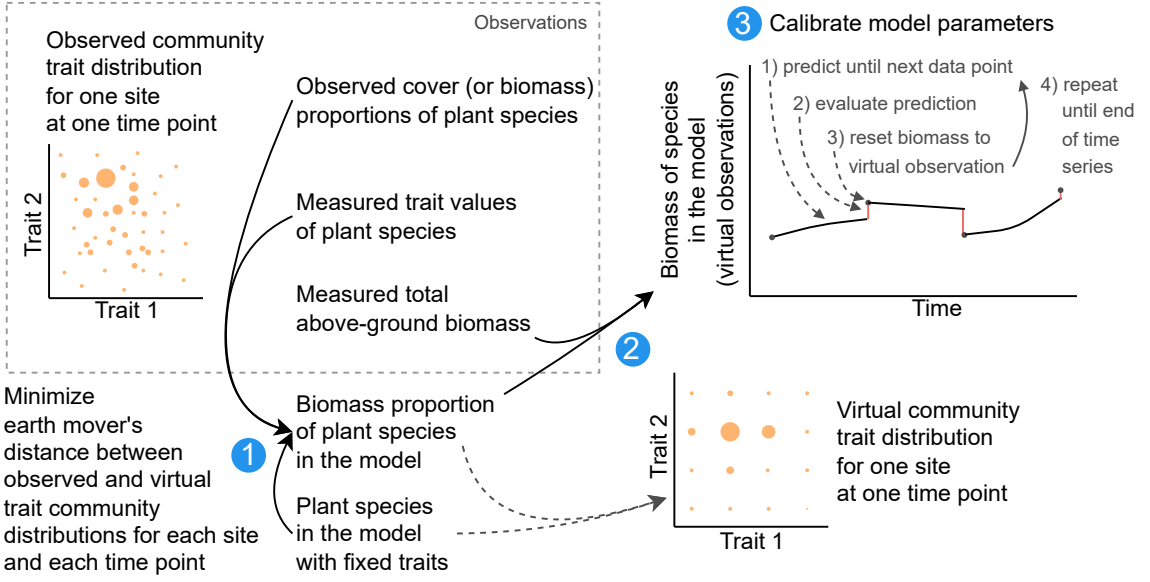
Observations
Observed community trait distribution for one site at one time point
Trait 2
Trait 1
Observed cover (or biomass) proportions of plant species
Measured trait values of plant species
Measured total above-ground biomass
3 Calibrate model parameters
1) predict until next data point
2) evaluate prediction
3) reset biomass to virtual observation
4) repeat until end of time series
Biomass of species in the model (virtual observations)
Time
2
Minimize earth mover's distance between observed and virtual trait community distributions for each site and each time point
1
Biomass proportion of plant species in the model
Plant species in the model with fixed traits
Trait 2
Trait 1
Virtual community trait distribution for one site at one time point