

This folder consists of all conducted simulations as described in section 2.2 (see also Table 1). Each subfolder has two .tsi files, in which the following variables are of most importance:

A_sat: Global average surface air temperature [$^{\circ}\text{C}$]

L_soiltemp: Global average surface soil temperature [$^{\circ}\text{C}$]

L_soilresp: Global total soil respiration [GtC yr^{-1}]

L_vegnpp: Global total net primary productivity [GtC yr^{-1}]

A_totcarb: Global total atmosphere carbon [GtC]

O_totcarb: Global total oceanic carbon [GtC]

L_totcarb: Global total land carbon [GtC]

F_carba2o: Global average total atmosphere to ocean carbon flux [GtC yr^{-1}]

F_carba2l: Global average total atmosphere to land carbon flux [GtC yr^{-1}]

F_precip: Global average precipitation [mm/m^2]

For simulations, in which we determined the model predicted residence time of the injected CO_2 , you find another file named tracer.nc that consists of the respective tracer for each individual injection site (see section 2.2).