Model calibration and validation.xlsx

This file includes the water runoff and sediment load of Datong station over the years, the observed and modelled results of water level, current velocity, direction and SSC.

Results.xlsx

We use the model to simulate the hydrodynamic and sediment transport in 2016. This file monthly water and sediment fluxes in different cross-sections, and the deposition fluxes and rates of sub-region. At this time, the sediment load of Datong is 1.51 x 108 t in the whole year.

Discussion.xlsx

We change the sediment loads of Datong, the sea level and the existence of tides. This file includes deposition fluxes and rates in every sub-region under the different boundary condition.