Global Terrestrial Sink Catchment (GTSC) Database V0.1

The Global Terrestrial Sink Catchment (GTSC) Database Version 0.1 is in a geographical coordinate system of WGS (1984). **Important – the manuscript and summary figures is based on the 'Structure' attribute showing tectonic regime of the continental shelf. Mixed influenced tectonic regimes between catchment and submarine fan environment are not separated!** The dataset contains the following attributes:

Attribute	Description
Connection	Catchment ID
Elevation	Catchment elevation range (m)
Area	Catchment area (km^2)
Basin	Terrestrial sink catchment (0 - No, 1 - Yes)
va	% of catchment with acid volcanic rocks coverage
vb	% of catchment with basic volcanic rocks coverage
ev	% of catchment with evaporites coverage
wb	% of catchment with water body coverage
ss	% of catchment with siliclastic sedimentary rocks coverage
vi	% of catchment with intermediate volcanic rocks coverage
py	% of catchment with pyroclastics coverage
nd	% of catchment with no data coverage
su	% of catchment with unconsolidated sediments coverage
pb	% of catchment with basic plutonic rocks coverage
mt	% of catchment with metamorphics coverage
pa	% of catchment with acid plutonic rocks coverage
sm	% of catchment with mixed sedimentary rockscoverage
sc	% of catchment with carbonate sedimentary rocks coverage
pi	% of catchment with intermediate plutonic rocks coverage
ig	% of catchment with ice and glaciers coverage
Temp	Mean annual catchment temperature (Celsius)
Glacial	% of catchment with glacial coverage
B	B factor of the BQART equation
Lithology	Lithology factor of the BQART equation (0.5 -3)
Q	Water discharge (km^3/yr)
Qs	BQART Total suspended sediment load (Qs) in MT/yr
Qs_Adj	Sub-catchment Qs adjusted to the total catchment Qs
Qs_Prop	% of sub-catchment contribution to the total catchment Qs
Basin_D	Terrestrial sink ID
D2O	Distance from sub-catchment outlet to exorheic/endorheic sink (m)
W_Length	River length of sub-catchment (m)
C_W_Length	River length of total catchment area (m)
Structure	Main terrestrial sink tectonic regime
Structure_	Main exorheic sink tectonic regime
StructureG	Main tectonic regime of terrestrial/exorheic sink

MarginType	Passive or active continental shelf/slope margin
Shelf	Type of continental shelf (1 - cont.shelf/slope/basin floor; 2 - epicontinental seaway; 5 - endorheic)
Width	Catchment width (m)
BoW	Body of water catchment drains into
MainClass	Main climate classification of sub-catchments: Equatorial, Warm-Temperate, Arid, Snow or Polar
SubClass	Main third-order climate classification of sub-catchments. *First order* - A: equatorial, B: arid, C: warm temperate, D: snow, E: Polar; second order - w: desert/dry winter, s: steppe/dry summer, m: monsoonal; f: fully humid; third order - h: hot arid, k: cold arid, a: hot summer, b: warm summer, c: cool summer, d: extremely continental, F: polar frost, T: polar tundra; *Example* - Cwc = Warm temperate, dry winters and cool summers
Af	% of catchment with Af climate coverage
Am	% of catchment with Am climate coverage
As	% of catchment with As climate coverage
Aw	% of catchment with Aw climate coverage
Bsh	% of catchment with Bsh climate coverage
Bsk	% of catchment with Bsk climate coverage
Bwh	% of catchment with Bwh climate coverage
Bwk	% of catchment with Bwk climate coverage
Csa	% of catchment with Csa climate coverage
Csb	% of catchment with Csb climate coverage
Csc	% of catchment with Csc climate coverage
Cwa	% of catchment with Cwa climate coverage
Cwb	% of catchment with Cwb climate coverage
Cwc	% of catchment with Cwc climate coverage
Cfa	% of catchment with Cfa climate coverage
Cfb	% of catchment with Af climate coverage
Cfc	% of catchment with Cfc climate coverage
Dsa	% of catchment with Dsa climate coverage
Dsb	% of catchment with Dsb climate coverage
Dsc	% of catchment with Dsc climate coverage
Dfa	% of catchment with Dfa climate coverage
Dfb	% of catchment with Dfb climate coverage
Dfc	% of catchment with Dfc climate coverage
Dwa	% of catchment with Dwa climate coverage
Dwb	% of catchment with Dwb climate coverage
Dwc	% of catchment with Dwc climate coverage
Dwd	% of catchment with Dwd climate coverage
Dfd	% of catchment with Dfd climate coverage
EF	% of catchment with EF climate coverage
ET	% of catchment with ET climate coverage