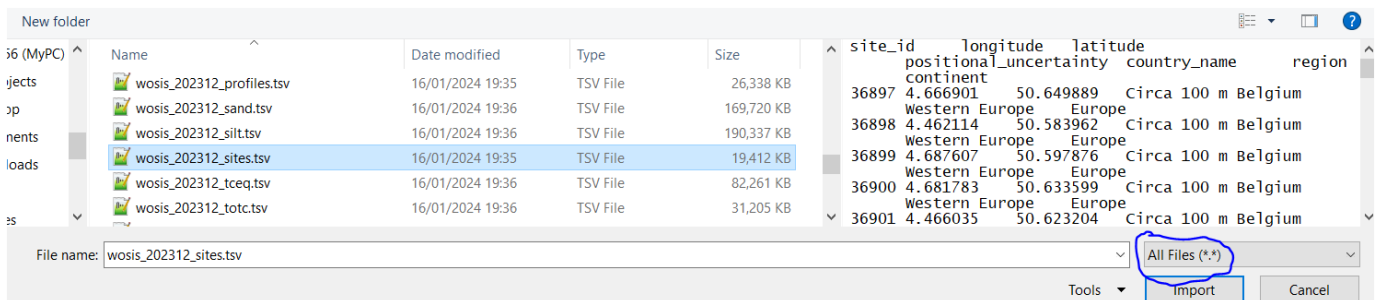


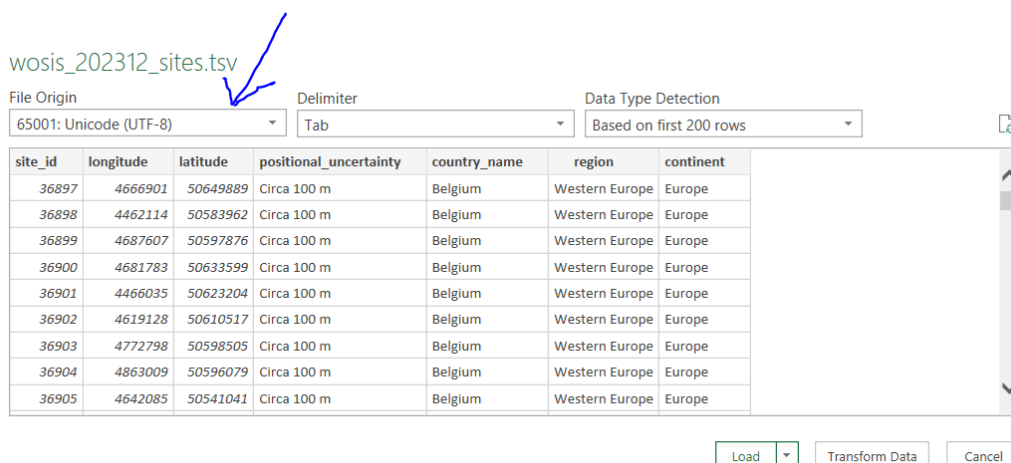
## Tutorial: How to import 'tsv files' into Excel (wosis\_snapshot\_2023)

This document illustrates how a tsv (tab-separated values) file from 'wosis snapshot 2023'<sup>1</sup> can be imported into Excel, as an example.

- Download zipped dataset from:  
<https://data.isric.org/geonetwork/srv/eng/catalog.search#/metadata/e50f84e1-aa5b-49cb-bd6b-cd581232a2ec> (see also the ReadMe file).
- Unzip the dataset to your desired folder.
- Open Excel.
- Go to 'Data tab', then go to the folder where the snapshot files were downloaded.  
For this, choose option 'select 'All files (\*.\*)'; you will then see a list including the tsv files.
- Select the tsv datafile to be imported, for example 'wosis\_202312\_sites.tsv'.



- Press 'import'. Note that the 'file origin' must be set to '65001: Unicode (UTF-8)'.



<sup>1</sup> Data source: Calisto, L., de Sousa, L.M., Batjes, N.H., 2023. Standardised soil profile data for the world (WoSIS snapshot – December 2023), <https://doi.org/10.17027/isric-wdcsoils-20231130>.

- g) Press the 'load' button. The selected file will be loaded into Excel; this may take some time for the larger files.
- h) The imported data are now ready for use in your tailor-made programmes.

	A	B	C	D	E	F	G
1	site_id	longitude	latitude	positional_uncertainty	country_name	region	continent
2	36897	4666901	50649889	Circa 100 m	Belgium	Western Europe	Europe
3	36898	4462114	50583962	Circa 100 m	Belgium	Western Europe	Europe
4	36899	4687607	50597876	Circa 100 m	Belgium	Western Europe	Europe
5	36900	4681783	50633599	Circa 100 m	Belgium	Western Europe	Europe
6	36901	4466035	50623204	Circa 100 m	Belgium	Western Europe	Europe
7	36902	4619128	50610517	Circa 100 m	Belgium	Western Europe	Europe
8	36903	4772798	50598505	Circa 100 m	Belgium	Western Europe	Europe
9	36904	4863009	50596079	Circa 100 m	Belgium	Western Europe	Europe
10	36905	4642085	50541041	Circa 100 m	Belgium	Western Europe	Europe
11	36906	4606264	50546473	Circa 100 m	Belgium	Western Europe	Europe
12	36907	476941	50532573	Circa 100 m	Belgium	Western Europe	Europe
13	36908	4597239	50814542	Circa 100 m	Belgium	Western Europe	Europe
14	36909	4596913	50814315	Circa 100 m	Belgium	Western Europe	Europe

**Important:**

The tsv files are tab-delimited, with double quotation marks as text delimiters. File origin to be considered during data import/loading is '65001: Unicode (UTF-8)'.

Two text fields in *method\_options*, namely 'value' and 'method\_option', contain complex text strings. These were concatenated from PostgreSQL arrays in WoSIS itself when the snapshot was created. See an example for 'soil pH':

```
{"instrument = [ electrode ] ratio = [ 1:1 ] sample pretreatment = [ sieved over 2 mm sieve ] solution = [ water [H2O] ]"}
```

	profile_id	layer_id	method_options	value_avg	dataset_id	col
12033	1146721	776225	{"instrument = [ electrode ] ratio = [ 1:1 ] sample pretreatment = [ sieved over 2 mm sieve ] solution = [ water [H2O] ]"}	71	US-NCSS	Un
12034	1146722	776244	{"instrument = [ electrode ] ratio = [ 1:1 ] sample pretreatment = [ sieved over 2 mm sieve ] solution = [ water [H2O] ]"}	59	US-NCSS	Un
12035	1146722	776245	{"instrument = [ electrode ] ratio = [ 1:1 ] sample pretreatment = [ sieved over 2 mm sieve ] solution = [ water [H2O] ]"}	59	US-NCSS	Un
12036	1146722	776246	{"instrument = [ electrode ] ratio = [ 1:1 ] sample pretreatment = [ sieved over 2 mm sieve ] solution = [ water [H2O] ]"}	5	US-NCSS	Un
12037	1146722	776247	{"instrument = [ electrode ] ratio = [ 1:1 ] sample pretreatment = [ sieved over 2 mm sieve ] solution = [ water [H2O] ]"}	49	US-NCSS	Un
12038	1146722	776248	{"instrument = [ electrode ] ratio = [ 1:1 ] sample pretreatment = [ sieved over 2 mm sieve ] solution = [ water [H2O] ]"}	5	US-NCSS	Un
12039	1146722	776249	{"instrument = [ electrode ] ratio = [ 1:1 ] sample pretreatment = [ sieved over 2 mm sieve ] solution = [ water [H2O] ]"}	51	US-NCSS	Un
12040	1146722	776250	{"instrument = [ electrode ] ratio = [ 1:1 ] sample pretreatment = [ sieved over 2 mm sieve ] solution = [ water [H2O] ]"}	55	US-NCSS	Un
12041	1146722	776251	{"instrument = [ electrode ] ratio = [ 1:1 ] sample pretreatment = [ sieved over 2 mm sieve ] solution = [ water [H2O] ]"}	59	US-NCSS	Un
12042	1146723	776371	{"instrument = [ electrode ] ratio = [ 1:1 ] sample pretreatment = [ sieved over 2 mm sieve ] solution = [ water [H2O] ]"}	66	US-NCSS	Un
12043	1146723	776372	{"instrument = [ electrode ] ratio = [ 1:1 ] sample pretreatment = [ sieved over 2 mm sieve ] solution = [ water [H2O] ]"}	55	US-NCSS	Un
12044	1146723	776373	{"instrument = [ electrode ] ratio = [ 1:1 ] sample pretreatment = [ sieved over 2 mm sieve ] solution = [ water [H2O] ]"}	59	US-NCSS	Un
12045	1146723	776374	{"instrument = [ electrode ] ratio = [ 1:1 ] sample pretreatment = [ sieved over 2 mm sieve ] solution = [ water [H2O] ]"}	58	US-NCSS	Un

Last updated: 14 August 2024