Ingestion Capability Statement

Overview

This document outlines the data ingestion capabilities of our software platform, with a focus on the data formats and file types currently supported.

Supported Media Types

We currently support the upload of the following media types:

- Spatial data (digital elevation surveys — ground, groundwater, soil interface; UAV surveys, general surfaces, general RGB images, vector/shapefiles)
- Investigation/field data (boreholes, CPTs, hand augers, test pits, DCP/scala, seismic, DMT)
- Instrument data (piezometers)
- Lab test data (PSD/fines content, atterberg, water content, linear shrinkage, shrink swell, 1D consolidation, triaxial, shear box, CBR, compaction, UCS, PLT, pinhole dispersion, allophane content, aggressivity, miscellaneous)
- Other data (Leapfrog delineations)

Supported File Formats

The supported file formats depend on the specific investigation/instrument, laboratory test and spatial data (e.g. GEF files are only supported for CPTs).

Data Type	Description	File Formats
Investigations and Instruments	BH, CPT, HA, TP, DCP, Scala, Seismic, DMT, Piezometer	AGS4, Excel (CSV, XLS, XLSX)*, TXT, GEF, PDF**
Laboratory Data	PSD, Fines Content, Atterberg, Water Content, Linear Shrinkage, Shrink Swell, 1D Consolidation, Triaxial, Shear Box, CBR, Compaction, UCS, PLT, Pinhole Dispersion, Allophane Content, Aggressivity, Miscellaneous	AGS4, Excel (CSV, XLS, XLSX)*, PDF**
Spatial Data	Digital elevation surveys - ground, groundwater, soil interface; UAV surveys, general surfaces, general RGB images, vector/shapefiles	Erdas Imagine, GeoTiff, Jpeg, PNG, Jpeg 2000, JpegXL, Shapefile
Other Data	Leapfrog delineations	Excel (XLS, XLSX)*

*Ingestion of excel files (for BH, Seismic, DMT, laboratory data and Leapfrog delineations) requires specific templates **PDFs are only supported as unstructured data (see below)

Unstructured Data Support

Unstructured data such as PDFs, can be uploaded as non-digitised data. For the use in downstream analysis the user has to manually digitise it.

File Size & Volume Handling

There is no bulk upload available yet, however we're happy to assist with the import of big datasets to provide a custom solution if possible.

Versioning & Updates

Please note that our platform evolves continuously as we onboard new clients, each with unique data formats and requirements. Clear communication and timely feedback are essential to ensuring your needs are met and that we can continue to improve the platform accordingly. In case you have unsupported file formats, please don't hesitate to reach out.