

# AGS Data Management Working Group - 2021 Update

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# A busy 18 months for the group...

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- March to Dec 2020* Weekly 2-hour meetings for development of AGSi and AGS 4.1
- November 2020* Webinar launch of **AGSi Beta**
- December 2020* Webinar launch of **AGS 4.1**
- Launch of new website area for Data Management WG within [www.ags.org.uk](http://www.ags.org.uk) site  
[www.ags.org.uk/data-format/](http://www.ags.org.uk/data-format/)
- Since March 2021* Monthly 2-4 hour working group meetings to discuss AGS 4.1/AGSi/AGS Validator.  
ERES/ELRG code work still ongoing (outside of these meetings) with CLWG and LWG
- July to Sept 2021* Involvement with 'UK Specification for Ground Investigation Third Edition' specifically  
for data management specification
- September 2021* Members Day release of new Industry Standard **AGS Validator**
- October 2021* Release of AGS 4.1.1, for minor corrections in document and corresponding website  
update

# AGS Python Library - Validation & Conversion

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DMWG is custodian of <https://gitlab.com/ags-data-format-wg/ags-python-library>

Python library originally written by Asitha Senanayake from Fugro.

Now the "Official" python library for the AGS data standard.

Summary: A library to read and write AGS4 files using Pandas DataFrames

Features Include:

- Import .ags files (v4.x) to Pandas
- Validate files against the AGS standard v4.x
- Convert Files to/from .ags <--> .xlsx

# Library Implementations

All use the same underlying library, so you know the same Official checks are being performed

## Windows Desktop Application

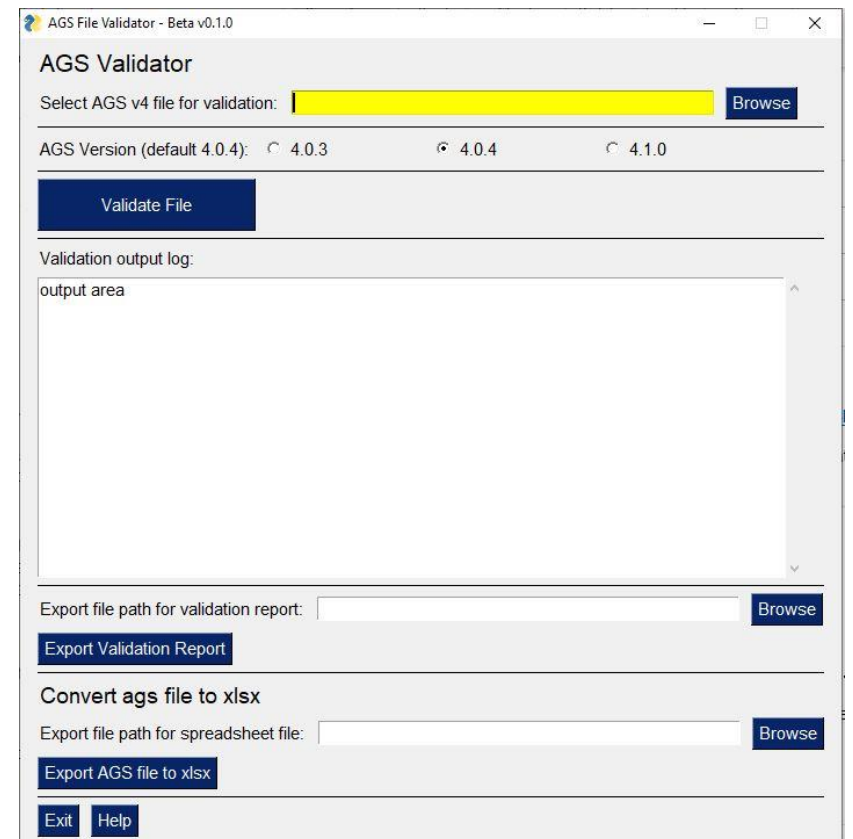
- "Official" AGS DMWG project
- <https://gitlab.com/ags-data-format-wg/ags-checker-desktop-app>

## MS Excel Plugin

- Personal Project of Rogar Chandler
- <https://gitlab.com/RogarChandler/ags-validator-excel-add-in>

## Web Application and API "pyagsapi"

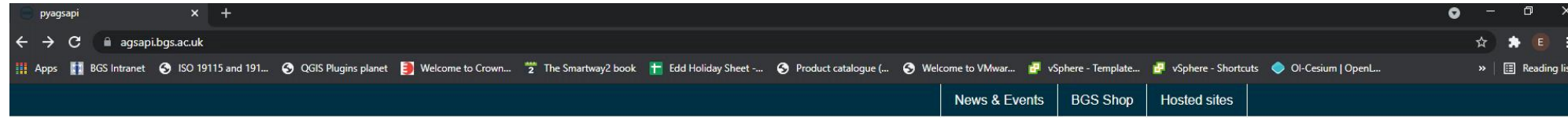
- British Geological Survey project
- <https://github.com/BritishGeologicalSurvey/pyagsapi>
- Open Source under open licence (LGPL-3.0)



pyagsapi

<https://agsapi.bgs.ac.uk>

More data checks coming soon – inline with BGS data deposit requirements



About BGS

Research

Data

Discovering geology

## AGS File Utilities Tool and API

This tool and associated [API](#) allow schema validation, data validation and conversion of your [AGS files](#).

- Accepts multiple AGS files. (Hold down **Ctrl** key to select more than one file)
- Tests AGS versions 4.x only
- There is a total file upload size limit of 50 MB
- Files are not saved or stored by this tool

**This is not a submission of your files to BGS**

### Tools

- [Schema Validator](#)
- [Data Validator](#)
- [File Conversion .ags <-> .xlsx](#)
- [OpenAPI Documentation](#)

### AGS Schema Validator

**This is not a data validator. Validation is against the official AGS schema standard only.**

Select AGS version, if not specified in TRAN\_AGS:

Tool uses AGS version specified in the supplied file, if not present, uses selection here, default is v4.0.4

4.0.3  4.0.4  4.1

Select .ags file(s) for validation (v4.x only).

No file chosen

Select response format:

# BGS AGS File Utilities Tool and API

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<https://agsapi.bgs.ac.uk/>