

WEDNESDAY 25<sup>TH</sup> NOVEMBER 2020, 11AM – 12:30PM



**This webinar from the Association of Geotechnical and Geoenvironmental Specialists will see the official launch of AGSi; a new transfer format for ground information, in particular ground models and interpreted data.**

Developed by the AGS Data Management Working Group, this new format has been created for anyone involved in the construction or sharing of ground models, whether they be geological, geotechnical, hydrogeological or geo-environmental, or as a solution for anyone who has found themselves looking for:

An industry standard non-proprietary method for

transferring a ground model and/or interpreted geotechnical parameters to another organisation.

- A way of importing your ground model into a BIM model that does not involve lots of reprocessing or data loss.
- A common data format for ground information that your analysis software can understand, making automation of design workflows much easier.
- AGSi will complement the existing AGS Data Format, (which is used for the transfer of factual data from ground investigation and monitoring). No prior knowledge of the AGS format is required for AGSi.

## THIS WEBINAR WILL COVER THE FOLLOWING:

- Background to AGSi
- Use cases and potential benefits
- Overview of the schema, diving into detail in some areas
- Introduction to JSON encoding
- Practical examples
- Tips on how you could use AGSi today
- Where to find the (online) documentation
- Relationship to the existing AGS format
- How AGSi fits in with other model formats (e.g. IFC Geotechnical)
- Future plans

**EVENT SPEAKERS**

**JÉRÔME CHAMFRAY**  
Chief Geo-Digital  
Engineer, Jacobs  
Jérôme is member  
of the AGS Data

Management Working Group. He has contributed to the development of industry approaches to BIM and Digital Engineering on Ground Engineering and Tunnelling projects. His expertise is centred on ground modelling, design automation, data management and BIM using AGS geotechnical data combined with 3D spatial information. Jerome also has significant experience in the development of design automation approaches for geotechnical assets which provide significant time and cost savings.

His wide range of expertise and valuable knowledge have led him to be identified as a technical expert on large multidisciplinary projects in South Africa, Middle East and the UK.



**NEIL CHADWICK**  
Independent  
Consultant & Digital  
Geotechnical Specialist

Neil is a geotechnical engineer with special expertise in geotechnical data management and the application of BIM and digital workflows in geotechnics. He is a member of the AGS Data Management Working Group and is the lead author of AGSi. He is also

part of a worldwide initiative on geotechnical data standardisation jointly organised by buildingSMART and the Open Geospatial Consortium.

Until recently, Neil was an Associate at Arup where he spent over 20 years working on major projects in the building and infrastructure sectors, including Crossrail, Westfield Stratford City and the London 2012 Athletes Village.



**DAVID FARMER**  
Geotechnical Engineer,  
Arup

Dave is a geotechnical engineer at Arup and a member of the AGS data management working group. He specialises in geotechnical data management and ground modelling with a keen interest in digital design and automation. Dave has a broad knowledge of BIM, CAD and GIS applications for geotechnical and geo-environmental use



**TONY DALY**  
Managing Director at  
Amageo

Tony is the Managing Director of Amageo Limited, a company specialising in geotechnical investigation and highways asset, data management. Tony has been a member of the Data Format Working Group since

2013 and was a co-author of BS 8574:2014 "Code of practice for the management of geotechnical data for ground engineering projects".



**OSVALDAS TYLENIS**  
Senior Software  
Engineer, Bentley  
Systems

Osvaldas Tylenis is a Senior Software Engineer at Bentley Systems and a member of the AGSi subcommittee. He has designed and developed geotechnical data management solutions since 2008 with a specialisation on 3D modelling and AGS data. Over the last two years he has worked on OpenGround Cloud and proof of concept systems for the AGSi format inside of Bentley and other systems.



**JULIAN LOVELL**  
Managing Director,  
Equipe Group and  
AGS Chair

Julian is the current Chair of AGS and has been involved in the geotechnical industry for over 30 years. He is actively involved in producing safety and technical guidance for the industry and sits on British and European committees. He is also Managing Director of Equipe which is the UK's leading provider of vocational training and assessment. Julian is currently working with UGUUK to ensure geoscience training meets the industry needs.

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