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## 3D Geoscience Borehole ad-hoc

**Matt Harrison (BGS) – François Robida (BRGM)  
on behalf of OneGeology and IUGS/CGI**

99th OGC Technical Committee – 3D Geoscience borehole ad-hoc meeting  
Dublin, Ireland - June 22<sup>th</sup> 2016



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# Why are we here today ?

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- **A multitude of geoscience initiatives / projects which develop / use of standards for boreholes and 3D**
- GeoSciML
- Geo3DML
- BoreholeML
- INSPIRE
- GST
- RESQML
- LandDev
- EGDI
- EPOS
- Earthcube
- 3DIG
- BIM
- Minnd
- 3D Wiesbaden meeting
- ...

# Why are we here today ?

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- Do we know where we are about standards for boreholes and 3D ?
  - for what users
  - for what purpose
- Do we (need to ?) agree on common standards ?
- Embrace different communities
  - Geo\* (geology, geotechnics, oil and gas, mining, groundwater...)
  - Data providers (geological surveys, universities, contracting companies,...)
  - Users (engineering, municipalities,...)
  - Software vendors
  - ...
- Make sure we are able to interoperate with other communities (BIM,...) and benefit from generic 3D developments (OGC)

# Agenda



- Welcome , Introduction and Background, Ad-Hoc Convenors
  - Matt Harrison (BGS) / François Robida (BRGM) 15
  
- Borehole Ad'hoc
  - EPOS needs for Borehole – Sylvain Grellet 10
  - GeoSciml4 - Eric Boisvert 10
  - GWML2 - Bruce Simons 10
  - BoreholeML - Rainer Haener - GFZ 10
  - WITSML - J-F Raynaud – IFPEN 10
  
  - Towards a formal Borehole SWG or Borehole IE ? (10 minutes) 15

# Agenda (continued)

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## – 3D Ad'hoc

- A viewpoint on 3D interoperability issues – Mikael Beaufils (BRGM) (10')
- End user viewpoint (civil engineering) - Christophe Castaing (EGIS) (7')
- Cross border Geological survey use case - Gerold Diepolder (Bavarian GS) (7')
- Oil and gas (ResQML) - Jean-François Rainaud (ifpen) (7')
- Geo3DML - Prof. Honggang Qu (GS of China) (7')
- Technology provider(s) / GST - Paul Gabriel (GiGa) (7')
  
- Open Discussion (45')
  
- Next steps (15')