

Meeting Sponsors





GeoScience DWG Welcome

106th OGC Technical Committee - GeoScienceDWG session
Orléans, France
Mickaël BEAUFILS
22 March 2018



Agenda



- 8h30 10h15:
 - GeoScience DWG Welcome
 - IE news (~ the rest)
 - Borehole IE
 - 3D-4D Model Discovery IE
- 10h45 12h30:
 - Presentation session
 - Exploring GeoScience DWG horizons

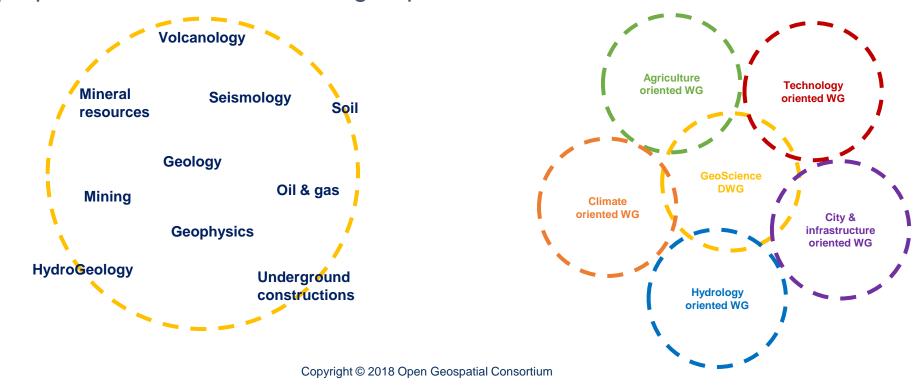


GeoScience DWG position



Main targets:

- Harmonize geoscience data expression and facilitate usage
- Stay connected and even propose enhancements to technologies / solutions
- Connect people interested in the geoscience topic
- Ensure proper connections with other groups / communities inside and outside OGC





Breaking news: we are not alone!



• 21/3 : Joint session with RDA ESES https://www.rd-alliance.org/ig-earth-space-and-environmental-sciences-rda-11th-plenary-meeting



















Earth, Space, and Environmental Sciences Interest Group















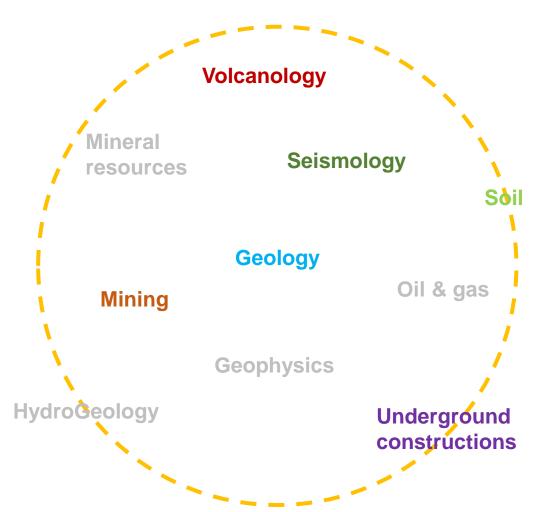
More groups here





Presentation session trailer





Exploring GeoScienceDWG horizons

- BIM and Geomodelling (Mickaël Beaufils BRGM)
- LIDAR and Geomodelling (Thomas Dewez BRGM)
- Seismology (Aurelien Dupont EMSC)
- Mining (Andrew Scott GMSG)
- Soil (Josh Liebermann Tumbling Walls LLC)
- AstroGeoScience (Mark Hunter USGS)



Interoperability Experiments reminder



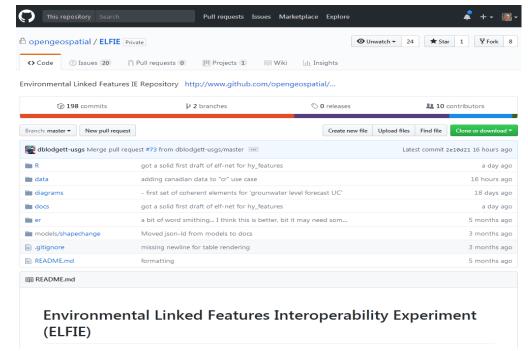
- Borehole Interoperability Experiment targeting a common Borehole conceptual model
 - Borehole is a core concept in geoscience
 - Several existing standards
 - Cross-countries initiatives on the run to push standard usage (EPOS, ...)
- 3D-4D model discovery Interoperability Experiment targeting definition of metadata for 3D-4D models
 - 3D-4D model standardization is not so advanced
 - "No consensus of 3D-4D model definition"
 - Have to make 3D-4D models at least findable
 - Cross-countries initiatives on the run to push standard usage (EPOS, OneGeology, ...)



Another IE driven by the GeoScience community



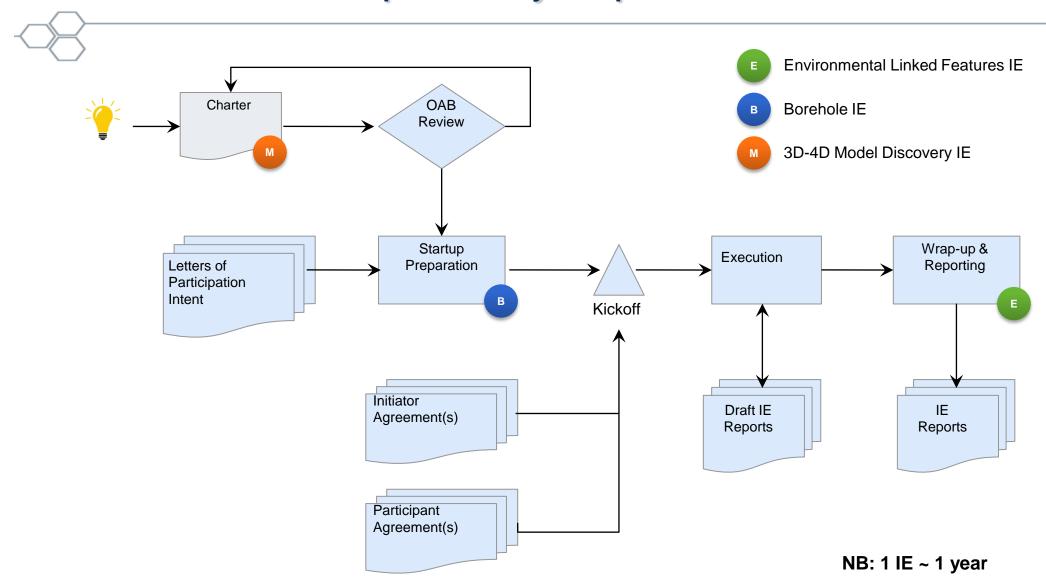
- Environmental Linked Features IE (ELFIE)
- 'Demonstrate the use of existing and pending OGC standards for the encoding of environmental observation data in an integrated dataset of features linked according to ReSTful and Linked Data principles.'
- Initiators:
 - U.S. Geological Survey (US)
 - Land Information New Zealand (NZ)
 - BRGM (FR)
- Participants
 - Tumbling Walls and Dewberry (US)
 - Meta-linkage (AU)
 - INSPIRE (EU)
 - Natural Resources Canada (CA)
 - Manaaki Whenua and Horizons Regional Council (NZ)



From: https://github.com/opengeospatial/ELFIE



Interoperability Experiments Status



Interoperability Experiment todo list





- Write charter
- Submit charter to OAB
- В
- Have OAB validation
- Startup preparation phase (> 30 days)
 - 2 OGC Press Releases (\$)
 - Announcing IE content, kickoff date
 - 30-day Participant Notification period starts
 - Interested organizations submit Letter of Participation Intent to OGC
 - By Kickoff date, all participating org's must submit a signed Participant Agreement
- Kickoff requirements:
 - 30-day Participant Notification period finished
 - Initiator and participant agreements signed
- E
- Do the job!
- Write report(s)

- Environmental Linked Features IE
- Borehole IE
- 3D-4D Model Discovery IE



Interoperability Experiment todo list

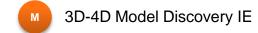




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Interoperability Experiments

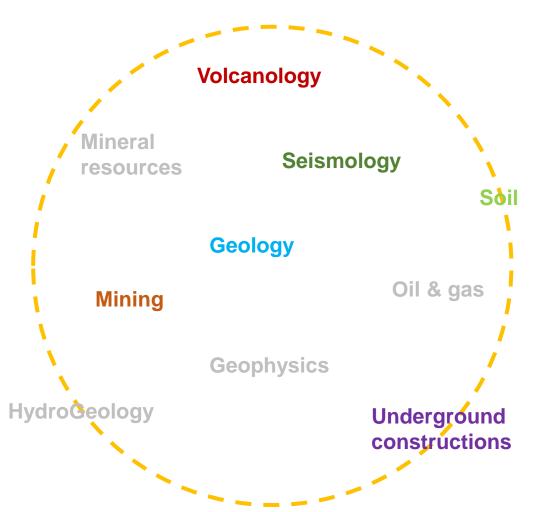


- Borehole Interoperability Experiment
 - Charter link: https://docs.google.com/document/d/1H4A5tGM4rKyHunLqeJXPZrqHX4Ya-H-5zhtFrKLQ1mQ/edit
- 3D-4D model discovery Interoperability Experiment
 - Charter link: https://docs.google.com/document/d/1jX5opnv2twVPR8KSO90x2u8TIBskv1UCp20xuQhNWJ0/edit



Presentation session





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Volcanology (Jean-Marie Saurel – IPGP) EP®S wp11



- Mining (Andrew Scott GMSG)
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