

## Notes and Actions

### OneGeology Operational Group Meeting #3

Telephone Conference - GoToMeeting

**Date:** 10 January 2020

**Venue:** GoToMeeting

**Time:**

	Local Time		Local Time
Nottingham (United Kingdom - England)	11:00:00	Tokyo (Japan)	20:00:00
Rio de Janeiro (Brazil - Rio de Janeiro)	08:00:00	Canberra (Australia - Australian Capital Territory)	22:00:00
Saint-Petersburg (Russia - Saint Petersburg)	14:00:00	Dublin (Ireland)	11:00:00
Paris (France - Île-de-France)	12:00:00	Washington DC (USA - District of Columbia)	06:00:00
Ottawa (Canada - Ontario)	06:00:00	Uppsala (Sweden)	12:00:00
Helsinki (Finland)	13:00:00	Faro (Portugal - Faro)	11:00:00
Amsterdam (Netherlands)	12:00:00		

#### ATTENDEE

Boyan Brodaric (BB)	Technical Contact/Deputy, Central and Northern Canada Branch GSC – NRC
Grigory Brekhov (GB)	Executive Director. Russian Geological Research Institute
Aurete Pereira (AP)	Geological Survey of Portugal (LNEG)
Lidia Quental	Geological Survey of Portugal (LNEG)
Dr. Shinji Takarada (ST)	Technical Contact Geological Survey of Japan (Deputy)
Paul Bogaard (PB)	TNO
Jouno Vuollo	GTK
Daniel Moreira (DM)	Technical Expert - Geological Survey of Brazil (CPRM)
<b>ATTENDING FOR ONEGEOLOGY ADMINISTRATION</b>	
Kate Royse	BGS Chief Digital officer –Chair of OOG
Francois Robida (FR)	Director of Information Systems, French Geological Survey BRGM
Tim Duffy (TD)	OneGeology Project Leader, British Geological Survey
Virginia Hannah(VTH)	OneGeology Administration Manager, British Geological Survey
James Passmore (JP)	OneGeology Technical Expert – British Geological Survey
Nicolas Mauroy (NM)	OneGeology Technical Expert – BRGM
Russell Lawley	Geologist
Hazel Napier	GeoScience and Society Lead
<b>APOLOGIES</b>	
Mary Carter	Geological Survey of Ireland
Lars Kristian Stolen (LCS)	Digital Strategist, Geological Survey of Sweden
Steve Hill	Chief Scientist, GeoScience Australia
Dr Maria Glícia da Nóbrega Coutinho (MG)	Head International Affairs Office, Geological Survey of Brazil (CPRM)

## AGENDA

### 1. Welcome and Apologies - Chair

KR opened the meeting and thanked everyone for attending. Administration had received formal apologies from Mary Carter (GSI) Lars Kristian Stolen (GSS) and Steve Hill (GSA)

### 2. Formal Agreement of Operational Meeting #02 notes and actions – Chair

The meeting agreed the minutes of the last meeting as final.

### 3. Review of Outstanding actions from meeting #02 – Chair

New Actions List: operational meeting #02			
ITEM	ACTION	LEAD	DUE DATE
1.04	MH to write to OAGS to discuss joining OneGeology <b>Update: 16/10/19</b> FR's colleague Jean-Claude Guillaneau is meeting again with OAGS in Brazil on 16/10/19 today. Francois will ask Marc Urvois of BRGM to raise it again if he meets OAGS people at the xxGeo meeting next week in Dar Es Salaam also.	FR / TRD	<b>UPDATE:</b> FB gave update and is expecting a response later in January. He will update the group.
1.06	NM to attend the last TIG Meeting to discuss portal updates and statistics and will email this Group with the latest usage statistics report as an action from this meeting.	NM	CLOSED
1.07	TRD to work on letter including a description of new services and once complete will be sent out in time for participants to offer new services by the IGC meeting March 2020.	TRD	<b>TRD reported that service providers who currently had existing services unavailable were being written to to have them up again for IGC and all other service providers would be encouraged to provide more services containing the wider geoscience themes available in the next newsletter</b>
2.01	Share latest Digital Twinning version with OneGeology Operational Group.	VTH	CLOSED
2.02	NM to commit to putting up a new production version of the portal before Christmas.	NM	CLOSED
2.03	To provide a report on statistics for the next and each meeting of the OOG going forward.	NM	CLOSED
2.04	OneGeology administration to send out Poll for dates for next OOG telecon meeting, possibly early January 2020.	VTH	CLOSED
2.05	An email to be sent round all members to check who will be willing to have OneGeology small stand.	VTH	CLOSED
2.06	Catch up with organisations that did not attend this meeting and if there is anything key it will be added to the minutes.	TD	CLOSED
2.07	Catch up with Brazilian colleagues to make sure all is well as they have not attended last 2 meetings although intended too.	TD	CLOSED

Outstanding Open Actions from previous Board Meetings			
15.03	MG to produce two letters, endorsed by OneGeology: one to INGEOMIN (the Venezuelan Geological Survey) and the other to the committee Intergovernmental of the Plata Basin (CIC), asking them to formally approve the authorisation to CPRM to process the maps (Geological Map of Venezuela and the Hydrogeological Plata Basin) to be available at the OneGeology portal. Update 19/06/19: MG will work with VTH to prepare the context of the letters, which will be sent from the administration with endorsement of OneGeology. So far OneGeology has not yet received the draft letters from MG.	MG	OPEN
15.10	Board members to share their organisational strategies via <a href="mailto:onegeology@bgs.ac.uk">onegeology@bgs.ac.uk</a>	ALL	STANDING ITEM
15.12	<i>Admin, along with the Chair, to work towards organising another workshop similar to that of the OneGeology kick off meeting Brighton, working backwards from the IGC meeting in 2020 and use this to help draft the Science strategy.</i> <b>UPDATE: 16/10/19</b> <b>Whilst the OSSG had met in Uppsala and confirmed the contents of the science strategy as being LOOP, DDE and Digital Twinning for the next few years there was still a need for each OOG member to check that these priorities matches up with the Principal Member organisational strategies and priorities.</b>	ADMIN	CLOSED
Outstanding Actions from SSG relating to OOG			
0.1	Each 'quick win' lead to gather together key people virtually in order to develop a digital twin concept for presentation at IGC and at the next OSSC meeting which will run alongside the 36th IGC meeting, being held in Delhi 2-8 March 2020, <b>UPDATE: 16/10/19</b> <b>MH to circulate the Digital Twin document to the Operational Group. If anyone has, any suggested improvements please email OneGeology admin.</b>	SSG	CLOSED
0.3	A standards group should be set up to ensure consistency of approach ahead of any developments. <b>Update 18/10/19:</b> <b>JP explained that setting up a standards group was discussed at the Technical Implementation Group meeting in Brussels especially for Digit Twins however it was agreed that there was not enough experience in the group or enough to setup a separate group so Digital Twinning standards effort to be kept in the TIG for now.</b>	TIG Lead	<b>UPDATE: JP explained that setting up a standards group was discussed at the Technical Implementation Group meeting in Brussels especially for Digital Twins however it was agreed that there was not enough experience in the group or enough information to setup a</b>

			<p><i>separate group, so Digital Twinning standards effort to be kept in the TIG for now</i></p> <p><b>CLOSED</b></p>
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#### 4. OneGeology at the IGC March 2020

The group discussed the IGC 36 and the detail for the operational group.

We are still awaiting for the science programme to be announced detailing confirmed dates and times for sessions. TRD advised, that during the planned OneGeology session, there would be a short ceremony, where Principal Members are invited, to sign the Consortium Agreement for the next 5 years, and will be presented with a membership certificate, which has been produced by VTH and OneGeology admin. KR advised that she unfortunately, would not be attending the IGC, but Russell Lawley will be deputising on her behalf and TRD will also be there to facilitate as the project manager for OneGeology. Karen Hanghøj, BGS Executive Director, and Tirza van Daalen, Director, Geological Survey of the Netherlands at TNO and chair of the OneGeology Strategic Steering Committee, will be there to present the certificates. More details will be circulated, once the programme is announced.

VTH is managing the organisation and logistics for the operational meeting and the award ceremony but again, is waiting to hear back from the congress organisers, regarding a confirmed date, time and room for the meeting, she will circulate details once this information is received.

GB of VESEGI confirmed that they have a booth at the conference and are happy to host OneGeology material. GB agreed to let VTH have details of the stand and what material will be acceptable.

FB also suggested that BRGM will have a booth at the IGC and will be willing to host a poster and some flyers for OneGeology.

**AGREED:** VTH and FB agreed that she will supply electronic versions of OneGeology posters etc and BRGM would be happy to print and make sure they arrive at the conference.

**Action 03.01:** GB to let VTH have details and plan of the VESEGI booth at IGC and confirm what material will be acceptable

#### 5. Loop 4<sup>th</sup> quarter report

BB reported that the 4<sup>th</sup> quarter report has been circulated to those involved and currently the draft copies of the methodologies are open to group discussions and actions.

RL reported that the UK testbed is on the Isle of Wight and work is progressing, although slowly. Rachel Heaven at BGS is working hard to progress this but unfortunately, workloads have been heavy due to staff changes.

Steve Hill who, was to report on this item, was unfortunately, delayed in an airport due to the bush fires in Australia and so was not able to call in. He sent his apologies via email and said the following; as part of the LOOP update it was especially keen to bring to everybody's attention the upcoming LOOP sponsor workshop/conference.

Details are:

**Location:** Bayview Geographe Resort, Busselton, WA, Australia

**Nearest "International" Airport:** Perth

**Date:** Monday 9th March to Friday 13th

**Draft Agenda:**

- Monday 9am to Tuesday 5pm: Technical talks
- Wednesday 9am to Thursday 5pm: Training, case study and workshop (hands on)
- Friday: 9am - 12pm - Future directions and future funding
- Friday: 1pm - 3pm: Steering committee

## 6. Digital Twinning – expected action groups reporting at IGC36

At this OG meeting with the recent departure of Matt Harrison and John Ludden the following changes to the pilots in the table below, were discussed and agreed. Suggested changes are highlighted in red.

Quick Win	Responsible Person	Lead Organisation
<p><b>Crustal scale minerals systems</b></p> <p>Mineral provinces</p> <p>Key stakeholders</p> <ul style="list-style-type: none"> <li>- Industry</li> <li>- Governments</li> <li>- Land use planners</li> <li>- Local community</li> </ul>	<p>Linda Richard</p> <p>Steve Hill</p> <p>Lars-Kristian Stolen</p>	<p>Geological Survey of Canada</p> <p><b>UPDATE: Boyan Brodaric agreed to lead on this pilot going forwards.</b></p>
<p><b>High resolution energy corridor (multiscale)</b></p> <p>Leads to new knowledge of deep geology structures</p> <p>Key stakeholders</p> <ul style="list-style-type: none"> <li>- Energy companies</li> <li>- Local communities</li> </ul>	<p>Formerly Harrison and Ludden:</p> <p>Proposed to cancel this pilot as there was no traction.</p>	<p><b>UPDATE: It was noted, that there had not been much traction on this so far and agreed to cancel this pilot.</b></p>
<p><b>Hazards</b></p> <ul style="list-style-type: none"> <li>- Sea level rise</li> </ul>	<p>Formerly Harrison:</p> <p>Which one of the three sub-leads below would</p>	<p><b>UPDATE: Shinji Takarada agreed that the Geological survey of Japan would</b></p>

<ul style="list-style-type: none"> <li>- Coastal hazard</li> <li>- Landslides</li> <li>- Small islands</li> <li>- Multi-hazard</li> </ul> <p>Key stakeholders</p> <ul style="list-style-type: none"> <li>- Citizens</li> <li>- National emergency orgs</li> <li>- NGOs</li> </ul>	<p>like to volunteer to become the lead progress chaser?</p> <p>Kwang-Eun Kim</p> <p>Steve Hill</p> <p>Mashiko Makino</p>	<p>take the lead on this area and report at the next meeting.</p>
<p><b>Urban subsurface interactions</b></p> <ul style="list-style-type: none"> <li>- Smart cities</li> <li>- Resilient cities</li> <li>- Construction/Building Information Models (BIM)</li> <li>- Cities – countries</li> <li>- Subsurface cadastre</li> <li>- Subsurface governance/legal/policy</li> </ul> <p>Key stakeholders</p> <ul style="list-style-type: none"> <li>- Government</li> <li>- Industry</li> <li>- Citizens – understanding of risk management</li> </ul> <p>Possible locations</p> <ul style="list-style-type: none"> <li>- Netherlands</li> <li>- UK- Glasgow</li> <li>- Switzerland</li> <li>- Slovenia</li> <li>- Varanasi - India</li> </ul>	<p>Tirza van Daarlen</p> <p>François Robida</p>	<p>TNO- Geological Survey of the Netherlands</p> <p><b>UPDATE: This area will remain as is. It is progressing nicely and has had a paper accepted at the IGC36</b></p>
<p><b>Catchment Scale</b></p> <p><b>e.g. Amazon Basin, Rhine-Meuse</b></p> <ul style="list-style-type: none"> <li>- Forestry</li> <li>- Aquifer management</li> <li>- Rise in river levels – river side communities</li> </ul>	<p>Maria-Glicia/Daniel</p> <p>Tirza Van Daalen</p>	<p>CPRM- Geological Survey of Brazil</p> <p><b>UPDATE: This area will remain as is. It is progressing nicely and CPRM has had a paper accepted at the IGC36.</b></p>

- Oil companies Mining companies		
<b>Shallow Marine - Dogger bank</b> - Multiple use of marine/sea bed - Sea bed mining - Ownership/governance issues	Formerly Harrison and Ludden:  If no other organisation is keen on this one it again could be dropped OR would Russell like to explore in BGS with Tracy Shimmield or Jez Forest or Simon Flower if they may be creating any Digital Twinning in their work?	British Geological Survey  <b>UPDATE: RL will lead on this area for BGS and will report at the next meeting after his discussion with BGS staff including Emrys Phillips.</b>
<b>Paektu Mountain, Korea – active volcano</b> - Volcanic hazard	Kwang-Eun Kim	KIGAM- Geological Survey of South Korea
<b>Coastal Hazard</b> - Tsunami – past, present, future	Mashiko Makino	GSJ- Geological Survey of Japan
<b>Permafrost discussed but not likely to be ready for this year</b> - Climate change	Linda Richard	Geological Survey of Canada

It was noted; it is too late for any more papers to be presented at the IGC and only two have been accepted.

**ACTION 03.02:** VTH to update the table above and circulate to the group for information.

## 7. Membership and Finance – Project Manager

OneGeology Admin will circulate the Principal Member invoices at the end of January. The annual Newsletter will be sent out shortly afterwards and will include the latest news and full details of OneGeology activities at IGC36.

TRD will work on budgets in early February, for approval in March.

## 8. Development Updates

- Portal update; new production released just before Christmas 2019. NM spoke about relations to progress with outstanding FORGE reported issues.
- Three monthly Portal usage statistics were tabled and discussed – NM agreed to prepare statistical reports for the March operational meeting and all meetings thereafter.
- Helpdesk & support; JP reported that all was going well in this area.

**ACTION 03.03:** NM to prepare portal statistic reports for the March operational meeting and all meetings thereafter.

### 9. Administrative website & GitHub:

JP said there is plenty of activity on the GitHub and encouraged everyone to start using it.

### 10. Any other Forthcoming OneGeology Meetings

JP advised that the next TIG telephone conference is the 6th February.

### 11. AOB

James Passmore and Jouni Vuollo gave a presentation on a 1M Euro NordForsk grant application, for a project they are calling 'MiRSO' Mineral Resource Services for OneGeology, and asked for a letter of support. The grant is open to organizations from the UK and the Nordic regions, for the purpose of facilitating Nordic cooperation on research and research infrastructure. The aim of the MiRSO project will be to make it easier for organizations that have minerals data to create ERML-Lite services (WMS and WFS) and use them in the OneGeology portal and beyond.

[http://ogc.bgs.ac.uk/OneG/OneGeologyMiRSO\\_JP\\_JV.pdf](http://ogc.bgs.ac.uk/OneG/OneGeologyMiRSO_JP_JV.pdf)

**Action 03.04:** VTH to prepare a letter for support for the MiRSO project for KB to sign

### 12. Actions arising from this meeting and including outstanding from previous meetings

ITEM	ACTION	LEAD	DUE DATE
<b>New Actions form Meeting #03</b>			
3.01	GB to let VTH have details and plan of the VESEGI booth at IGC and confirm what material will be acceptable	GB	CLOSED
3.02	VTH to update the quick Wins table above and circulate to the group for information	VTH	31/01/20
3.03	NM to prepare portal statistic reports for the March operational meeting and all meetings thereafter.	NM	01/03/20
	VTH to prepare a letter for support for the MiRSO project for KB to sign	VTH	CLOSED
<b>Outstanding Actions from Previous Meetings</b>			
1.04	MH to write to OAGS to discuss joining OneGeology <b>Update: 16/10/19</b> <b>FR's colleague Jean-Claude Guillaneau is meeting again with OAGS in Brazil on 16/10/19 today. Francois will ask Marc Urvois of BRGM to raise it again if he meets OAGS people at the xxGeo meeting next week in Dar Es Salaam also.</b>	FR / TRD	<b>UPDATE:</b> FB gave update and is expecting a response later in January. He will update the group.
1.07	TRD to work on letter including a description of new services and once complete will be sent out in time for participants to offer new services by the IGC meeting March 2020.	TRD	<b>UPDATE: TRD reported that service providers who currently had existing services unavailable</b>

			were being written to to have them up again for IGC and all other service providers would be encouraged to provide more services containing the wider geoscience themes available in the next newsletter
15.03 Long overdue Action from now disbanded Board	MG to produce two letters, endorsed by OneGeology: one to INGEOMIN (the Venezuelan Geological Survey) and the other to the committee Intergovernmental of the Plata Basin (CIC), asking them to formally approve the authorisation to CPRM to process the maps (Geological Map of Venezuela and the Hydrogeological Plata Basin) to be available at the OneGeology portal. Update 19/06/19: MG will work with VTH to prepare the context of the letters, which will be sent from the administration with endorsement of OneGeology. So far OneGeology has not yet received the draft letters from MG.	MG	OPEN
<b>Standing items</b>			
15.10	Board members to share their organisational strategies via <a href="mailto:onegeology@bgs.ac.uk">onegeology@bgs.ac.uk</a>	<b>ALL</b>	<b><i>STANDING ITEM</i></b>