

OneGeology Operational Group Meeting #2

Telephone Conference - GoToMeeting

Date: Wednesday 16th October 2019

Venue: GoToMeeting

Time:	Local Time		Local Time
Nottingham (United Kingdom - England)	11:00:00	Tokyo (Japan)	19:00:00
Rio de Janeiro (Brazil - Rio de Janeiro)	07:00:00	Canberra (Australia - Australian Capital Territory)	21:00:00
Saint-Petersburg (Russia - Saint Petersburg)	13:00:00	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
Daejeon (South Korea)	20:00:00	Faro (Portugal - Faro)	11:00:00

ATTENDEE'S

Grigory Brekhov (GB)	Executive Director, Russian Geological Research Institute
Lars Kristian Stolen (LCS)	Digital Strategist, Geological Survey of Sweden
Aurete Pereira (AP)	Geological Survey of Portugal (LNEG)
Lidia Quental (LQ)	Geological Survey of Portugal (LNEG)
Dr Shinji Takarada (ST)	Technical Contact Geological Survey of Japan (Deputy)
Tirza Daalen (TD)	Director, Geological Survey of Netherlands (TNO) – Chair of the OneGeology Strategic Steering Group
Dave Soller (DS)	USGS
Mary Carter	Geological Survey of Ireland
Steve Hill (SH)	Chief Scientist, GeoScience Australia
Matthew Harrison (MH)	Informatics Director & OneGeology, Administration Director, British Geological Survey
Francois Robida (FR)	Informatics Programme Director, French Geological Survey BRGM
Tim Duffy (TRD)	OneGeology Project Manager, British Geological Survey
James Passmore (JP)	OneGeology Technical Expert – British Geological Survey
Nicolas Mauroy (NM)	OneGeology Technical Expert – BRGM
Kate Royse (KR)	Chief Digital Officer BGS (at Beginning of meeting)
Russel Lawley	Geologist BGS- Possible BGS Digital Twinning lead
Hazel Napier	GeoScience and Society Lead BGS (at Beginning of meeting)
Tina Neale	Informatics Business Assistant, BGS

APOLOGIES

Boyan Brodaric (BB)	Technical Contact/Deputy, Central and Northern Canada Branch GSC – NRC
Maria-Glicia da Nobrega Coutinho	Head of the International Affairs Office, Geological Survey of Brazil, CPRM
Daniel Medeiros Moreira	CPRM, Rio de Janeiro, Brazil
Paul Bogaard (PB)	TNO
Virginia Hannah(VTH)	OneGeology Administration Manager, British Geological Survey

1. Welcome and apologies - Chair

MH welcomed everyone to the second OneGeology Operational Group Meeting and thanked everyone for attending, many during unsociable hours. Apologies were given from the members listed above.

2. Formal agreement of Operational Meeting #01 notes and actions – 19th June 2019 – Chair

The board agreed meeting #1 minutes, as a true account of the meeting held in June.

3. Address by Kate Royse – Chief Digital Officer (BGS)

KR introduced herself to all attendees explaining that she has taken the new role of Chief Digital Officer at BGS.

KR introduced Russell Lawley and Hazel Napier, explaining that they will both be working with MH and TRD over the next few months, to consider the future of the BGS OneGeology Administration and confirm who will take on MH responsibilities. BGS confirms it is committed to OneGeology.

TD advised that she has sent a letter to BGS regarding MH leaving BGS at the end of December. KR confirmed receipt of the letter and that she would reply by email to address concerns raised in the letter. KR continued to explain that she has already had discussions with Karen Hanghøj, the new BGS Director about OneGeology. Both KR and Karen Hanghøj will attend the IGC36, Delhi, India in March 2020, and hopefully the OneGeology meetings/sessions.

4. Review of outstanding Actions from Operational Meeting #01

New Actions List: Operational Meeting #01			
ITEM	ACTION	LEAD	DUE DATE
1.01	MH to email brief update to Operational Group regarding Laurent Ailleres visit to BGS in June.	MH	CLOSED
1.02	MH to email Nanjing University to clarify services are open and available and moving forward DDE and OG could work together hopefully by 3rd / 4th quarter of this year. Update:16/10/19 MH informed that Jingjia Zhang who was the BGS contact at Nanjing University has left.	MH	CLOSED
1.03	TRD to continue liaisons with the Chinese Geological Survey to encourage becoming a principal member. Update: 16/10/19 Chinese possibly might join OneGeology at the IGC36, TD offered her help to TRD with regards letters etc. to this	TD	CLOSED
1.04	MH to write to OAGS to discuss joining OneGeology Update: 16/10/19 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	Next meeting
1.05	MH to email GTK to follow up on the possibility of them re-joining OneGeology. Update: 16/10/19 TRD informed that GTK has re-joined OneGeology about a month ago.	TRD	CLOSED

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	AP on these minutes
1.07	TD 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	OPEN
1.08	<i>MH to send email invitation to DS for the meeting in Washington DC on the 11th or 12th July 2019</i> Update: 16/10/2019 MH will discuss with DS and JB and Ingrid with regards to a sending a proper invite so their Director is aware of the OneGeology meeting at IGC36 in India. To be actioned in next week or so on request of DS.	MH	CLOSED
1.09	VTH to send out Doodle Poll to arrange the next meeting date in 3 month's	VTH	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 onegeology@bgs.ac.uk UPDATE: 16/06/19 Virginia Hannah to email reminder of who has completed so far. GB asked for an example to work from.	ALL	STANDING ITEM
15.12	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. UPDATE: 16/10/19 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..	ADMIN	ONGOING
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, UPDATE: 16/10/19 MH to circulate the Digital Twin document to the Operational Group. If anyone has any suggested improvements email OneGeology admin.	SSG	Meet quarterly and report back on progress to the OneGeology Operational Group either in person or by correspondence with onegeology@bgs.ac.uk

0.3	<p>A standards group should be set up to ensure consistency of approach ahead of any developments.</p> <p>Update 18/10/19: 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.</p>	TIG Lead	To be reviewed
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5. OneGeology at the IGC36 March 2020

MH explained that the next IGC will be held in Delhi, India in March 2020. Due to the relationship with the International Union of GeoSciences (IUGS). The IGC meetings, which are every 4 years have always been good to use as a formal sense check of where OneGeology is going.

OneGeology is holding a joint session with Commission for Geoscience Information Group of IUGS and the International Association of Mathematical Geology (IAMG) As this is a special session, MH has been informed that it can be as long and include as many presentations or poster sessions as required.

The closing date for submissions to session 45.10 is now Thursday 31st October 2019, so if you would like to submit a paper for the OneGeology, CGI or International Association of Mathematical Geology causes, please do so before this date.

MH suggested a possible small ceremony for Principal Members re-signing the next 5yr Consortium Agreement in session 45.10.

We plan to have a small OneGeology Strategic Steering Group meeting one evening at IGC36 as this will tie in with the two yearly meeting.

MH informed that the annual face-to-face TIG Meeting would be arranged for a different time, as IGC will be extremely busy. Whether there would also be an evening face-to-face meeting of this OOG would depend on whether enough OOG members were likely to attend IGC36 in person.

NB: Early bird registration is extended until the end of November 2019.

6. Consortium Agreement 2020 – Principal Members ‘re-signing’ for the next 5 years at IGC36;

Principal Members ‘re-signing’ for the next 5 years at IGC36

In due course OneGeology Administration will write to Directors of Principal Member Surveys, to consider re-signing their Consortium Agreement for the next 5 years, during the IGC36 session, 45.10. If a Principal Member cannot attend IGC, we will send their new Consortium Agreement in PDF via email.

Subscription renewal Invoices will be circulates in late January for 2020 as usual.

TRD advised that some wording of Consortium Agreement has changed. OneGeology no longer has regional representatives, so reference to this has been removed. Everything else remains the same.

TRD advised that there might be, finally a small chance that the Chinese Geological Survey joining 1G and TRD thanked TD for her offer to work together.

New Principal Members

GTK will be becoming a formal new member as soon as the subscription is received.

Council for GeoScience (South African Survey) do not wish to re-join but proposed that the Organisation of African Geological Surveys (OAGS) join on behalf of all African Surveys. Hopefully we will find out soon and maybe they will join AT the IGC36 signing process, if not before.

New Services

TRD explained that they have a new web service which is for 38 HydroGeology maps (1:5,000,000 scale) and 38 Geology Maps (1:5,000,000 scale) of the large part of the African continent, covering 38 countries from the cooperation of 38 Surveys.

TRD asked NM when the new service would be up on the OneGeology portal. NM explained that the last time he tried, there was still an issue, but he was sure this would go live soon.

GB requested an official letter from OneGeology for the Consortium Agreement 2020; TRD stated that he would send this within the next month.

FR to explain, when he meets with OAGS in Brussels, that the new African continent relevant services that will be available soon.

7. Loop 3rd Quarter report and DDE progress

MH reported that there is no Big Data Group DDE progress to report. TRD has been appointed as the Chief Scientist of the Standards Working Group.

MH reported on LOOP;

- Laurent Aillieres has travelled round work package leads and found that the most involved is WP 1, Boyan Brodaric is the lead on this activity, which follows the first year of the Loop project.
- Last month MH and SH attended the LOOP Advisory Board, which was a virtual meeting with several other Senior Researchers from mainly Australia. During this meeting SH raised the issue that we need some information to promote the work that LOOP project aims and the progress so far, to send to a higher level, maybe captured in 1-3 slides to help promote Loop. SH reiterated this point during this meeting.
- MH advised that the third progress report is complete however; it contains personal information relating to researchers that have been recruited for various roles. We are

currently seeking a version of updates that circulated within the wider research and OneGeology communities.

- LOOP have now recruited the necessary developers.
- Good progress has been made in Work Package 1 – Knowledge Manager. This is the work package that most of the Geological Surveys have been involved in, particularly, the legacy information that we have in our organisations and how that can be included in the modelling process also, in the provision of used cases.
- Laurent Ailleres visited BGS this year and shown the work that BGS has carried out in machine learning relating to accessing the vast amounts of grey literature that we have in BGS as in most of our organisations, and bringing that to bare on the modelling problem.
- There has been good spatial progress made at the Canadian Geological Survey.
- FR (BRGM) no comment on LOOP, struggling to find anyone dedicated to the project.
- As we progress through the 2nd year of the LOOP project OneGeology, we will be asked to contribute use cases, most of which will be terrain specific
- Modelling engine of LOOP needs to cope with all types of Geology.

8. Digital Twinning – expected action groups reporting to IGC36

New OneGeology Strategy going forward. MH reported back in June on the outcome from the Strategic Steering Group meeting in Uppsala and following on from that a flyer was produced.

Action: 2.01: VTH Share latest Digital Twinning version with OneGeology Operational Group

Milestones are needed to move forward so there were 7 areas identified, all are stated on the flyer. The next milestone is to receive feedback but none received yet.

MH asked Operational Group to please encourage Directors etc. to push working groups forward.

Below is the table taken from the agreed minutes of the OSSG Uppsala meeting:

Quick Win	Responsible Person	Lead Organisation
Crustal scale minerals systems	Linda Richard	Geological Survey of Canada
Mineral provinces	Steve Hill	
Key stakeholders	Lars-Kristian Stolen	
- Industry		
- Governments		
- Land use planners		
- Local community		

<p>High resolution energy corridor (multiscale)</p> <p>Leads to new knowledge of deep geology structures</p> <p>Key stakeholders</p> <ul style="list-style-type: none"> - Energy companies - Local communities 	<p>Matt Harrison</p> <p>John Ludden</p>	<p>British Geological Survey</p>
<p>Hazards</p> <ul style="list-style-type: none"> - Sea level rise - Coastal hazard - Landslides - Small islands - Multi-hazard <p>Key stakeholders</p> <ul style="list-style-type: none"> - Citizens - National emergency orgs - NGOs 	<p>Matt Harrison</p> <p>Kwang-Eun Kim</p> <p>Steve Hill</p> <p>Mashiko Makino</p>	<p>British Geological Survey</p>
<p>Urban subsurface interactions</p> <ul style="list-style-type: none"> - Smart cities - Resilient cities - Construction/Building Information Models (BIM) - Cities – countries - Subsurface cadastre - Subsurface governance/legal/policy <p>Key stakeholders</p> <ul style="list-style-type: none"> - Government - Industry - Citizens – understanding of risk management <p>Possible locations</p> <ul style="list-style-type: none"> - Netherlands - UK- Glasgow 	<p>Tirza van Daarlen</p> <p>François Robida</p> <p>Matt Harrison</p>	<p>TNO- Geological Survey of the Netherlands</p>

<ul style="list-style-type: none"> - Switzerland - Slovenia - Varanasi - India 		
<p>Catchment Scale</p> <p>e.g. Amazon Basin, Rhine-Meuse</p> <ul style="list-style-type: none"> - Forestry - Aquifer management - Rise in river levels – river side communities - Oil companies <p>Mining companies</p>	<p>Maria-Glicia</p> <p>Tirza Van Daarlen</p>	<p>CPRM- Geological Survey of Brazil</p> <p>TNO- Geological Survey of the Netherlands</p>
<p>Shallow Marine - Dogger bank</p> <ul style="list-style-type: none"> - Multiple use of marine/sea bed - Sea bed mining - Ownership/governance issues 	<p>Matt Harrison</p> <p>John Ludden</p>	<p>British Geological Survey</p>
<p>Paektu Mountain, Korea – active volcano</p> <ul style="list-style-type: none"> - Volcanic hazard 	<p>Kwang-Eun Kim</p>	<p>KIGAM- Geological Survey of South Korea</p>
<p>Coastal Hazard</p> <ul style="list-style-type: none"> - Tsunami – past, present, future 	<p>Mashiko Makino</p>	<p>GSI- Geological Survey of Japan</p>
<p>Permafrost discussed but not likely to be ready for this year</p> <ul style="list-style-type: none"> - Climate change 	<p>Linda Richard</p>	<p>Geological Survey of Canada</p>

9. Membership and Finance

TRD had covered all items in agenda item 6 except, the issue of whether or not there would be the next face-to-face of OOG at IGC36. Of those present today BGS, GA, TNO, VSEGEI, SGU, GSI were likely to attend (also CPRM) – as Director would probably be accompanied by Maria) so it was decided to poll the OOG members when being sent the final minutes to see by then whether enough people were likely to be present. As today, those unable to attend in person could join by telecon. The only likely future other possible face-to-face events alongside which, OOG might meet would be the Geoscience Information Consortium and European Geosciences Union.

10. Communications and Outreach

Draft communications Plan – VH wanted to finalise this document – continued to next meeting.

Displaying OneGeology Logo –website letter sent out to please put logo on, refresh after 5 years. Some people may have done this in the past – but this suggestion will be repeated in the re-signing letters.

Promotional ideas for OneGeology at IGC March 2020 – will become clearer when meetings are agreed and when they have received all papers. At least, each PM Director will be given a framed certificate – for the organisation’s boardroom etc. - acknowledging the past and future support of the PM for OneGeology for the 5-year re-signing members.

11. Development Update

Portal update

TRD asked NM to commit to having the new portal ready before Christmas and he agreed.

Action 2.2: A new production version of the portal to be available before Christmas. NM

Portal usage statistics

JP advised that it was agreed in the TIG that the new ERML tools available in the portal, as a high priority before the IGC in March 2020.

Action 2.3: NM to provide a report on statistics for the next and each meeting of the OOG going forward.

Helpdesk & Support Desk

Currently training some new members of staff to take over from Diego (ESRI OneGeology service support)

J.P. informed that had a few requests to register for the new services from Japan, CCOP and the Irish Service needs to be updated and checked.

12. Administrative website & GitHub

JP reporting that they have been making changes

- Updating kids pages – we now can’t use google maps as no longer free
- Changing the look and feel of website – VTH helping to lead
- Updating help pages for using services especially using the portal so just using GitHub, updating the documents on GitHub and published through readthedocs.com
- At the last TIG meeting it was discussed that if you have any issues on the portal or web pages the BRGM Forges, please ask BRGM for access.

13. Forthcoming OneGeology Meetings

An OneGeology Operational meeting needs to be arranged between now and IGC36, March 2020.

Action 2.4: OneGeology Administration to send out Poll for dates for next OOG telecon meeting, possibly early January 2020

MH asked if anyone has a big stand at IGC36 but it would be nice if 1G could have a very small part of someone's stand.

Action 2.5: Administration will contact members to check which organisation might be willing to host a small OneGeology stand.

14. A.O.B.

MH asked if there is any other business but nothing was raised.

Action 2.6: TRD will catch up with organisations that did not attend meeting and if there is anything key, it will be added to the minutes.

Action 2.7: TRD to liaise with Brazilian colleagues to make sure all is well as they have not attended the last two meetings although this was their stated intention..

MH explained that due to his leaving BGS at the end of the year that this will be his last meeting as chair of the OOG but will hopefully he would be attending the IGC36 meeting in March 2020.

MH thanked all for their continued engagement and support of OneGeology.

15. New & Outstanding Action List (need to check the below regarding updates above)

New Actions List: operational meeting #02			
ITEM	ACTION	LEAD	DUE DATE
1.04	MH to write to OAGS to discuss joining OneGeology Update: 16/10/19 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	Next meeting
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	Next meeting
1.07	TD 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	OPEN
2.01	Share latest Digital Twinning version with OneGeology Operational Group.	VTH	Before next meeting
2.02	NM to commit to putting up a new production version of the portal before Christmas.	NM	Before Christmas
2.03	To provide a report on statistics for the next and each meeting of the OOG going forward.	NM	For each OOG meeting
2.04	OneGeology administration to send out Poll for dates for next OOG telecon meeting, possibly early January 2020.	VTH	By end of November
2.05	An email to be sent round all members to check who will be willing to have OneGeology small stand.	VTH	By end of November
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	Next meeting
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	Next meeting

Outstanding Open Actions from previous Board Meetings			
15.03	<p>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.</p> <p>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.</p>	MG	OPEN
15.10	<p>Board members to share their organisational strategies via onegeology@bgs.ac.uk</p> <p>UPDATE: 16/06/19 Virginia Hannah to email reminder of who has completed so far. GB asked for an example to work from.</p>	ALL	STANDING ITEM
15.12	<p>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.</p> <p>UPDATE: 16/10/19</p> <p>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.</p>	ADMIN	ONGOING
Outstanding Actions from SSG relating to OOG			
0.1	<p>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,</p> <p>UPDATE: 16/10/19</p> <p>MH to circulate the Digital Twin document to the Operational Group. If anyone has, any suggested improvements please email OneGeology admin.</p>	SSG	Meet quarterly and report back on progress to the OneGeology Operational Group either in person or by correspondence with onegeology@bgs.ac.uk
0.3	<p>A standards group should be set up to ensure consistency of approach ahead of any developments.</p> <p>Update 18/10/19:</p> <p>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.</p>	TIG Lead	To be reviewed