

OneGeology

Strategic Steering Committee (OSSC) Meeting #3

DATE: 30 March 2021

VENUE: <https://ukri.zoom.us/j/98580163551>

Location	Local Time
Nottingham (United Kingdom - England)	11:00:00
Amsterdam (Netherlands)	12:00:00
Canberra (Australia - Australian Capital Territory)	21:00:00
Daejeon (South Korea)	19:00:00
Lisbon (Portugal - Lisbon)	11:00:00
Ottawa (Canada - Ontario)	06:00:00
Paris (France - Île-de-France)	12:00:00
Rio de Janeiro (Brazil - Rio de Janeiro)	07:00:00
Saint-Petersburg (Russia - Saint Petersburg)	13:00:00
Tokyo (Japan)	19:00:00
Washington DC (USA - District of Columbia)	06:00:00

Attendee's	Organisation
Tirza Van Daalen	Director: Geological Survey of the Netherlands – Current Chair of OSSC
Steve Hill	Chief Scientist: GeoScience Australia
Esteves Colnago	President: Geological Survey of Brazil CPRM
Maria Glícia da Nóbrega Coutinho	Head of International affairs: Geological Survey of Brazil CPRM
Genevieve Marquis	Director: Northern Canada Division Canada Geological Survey of Canada
Mashiko Makino	Leader of International Coordination Group: Geological Survey of Japan, AIST
Kwang-Eun Kim	Vice President: Korea Institute of Geoscience and Mineral Resources (KIGAM)
JongGyu Han,	Head of Geoscience Data Centre: Korea Institute of Geoscience and Mineral Resources (KIGAM)
Karen Hanghøj	Director: British Geological Survey
Lars-Kristian Stolen	Digital Strategist: Sweden Geological Survey of Sweden

Bill Cunningham	Acting Director of Operations: Office of International Programs, USGS
Teresa Ponce de Loão	President: Laboratório Nacional de Energia e Geologia (LNEG)
Oleg Petrov	Director General: A.P. KARPINSKY RUSSIAN GEOLOGICAL RESEARCH INSTITUTE" (FGBU "VSEGEI")
Vuori Saku	Deputy Director General - GTK

In Attendance - Administration

Kate Royse	Chief Digital Officer: British Geological survey
Matt Harrison	Director Data Services & Infrastructure: BRGM
Hazel Napier	One Geology Project Manager: British Geological Survey
Virginia Hannah	Assistant OneGeology Project Manager: British Geological Survey

Apologies

James Johnson	CEO: GeoScience Australia
Christophe Poinssot	Director: French Geological Survey, BRGM

1. Introduction

MH chaired the meeting, the 3rd meeting of the recently constituted OSSC, which had been organised to feedback discussions held at the recent Digital Twin workshop.

2. Review of Actions from last Meeting #02

No.	ACTION	LEAD	DEADLINE
01	Admin will circulate the election process with these minutes.	Admin	Closed
02	KR agreed to coordinate the planning of a joint global event for OneGeology and WCOGS. The Admin will work with KR to arrange this and report progress at the next OSSC meeting in March.	KR/Admin	CLOSED See Item 03
03	OSSC to agree the future direction of the OneGeology platform during a future meeting/workshop	All	Closed See item 4
04	KV to feedback to MH in terms of what quick wins GSI can contribute related to mineral exploration, coastal hazards and marine/offshore.	KV	31/01/21
05	MH agreed to work on the rewording of the current OneGeology Digital Twin flyer and share with the group for agreement.	MH	31/12/20
06	Admin will work on organising a virtual Digital Twin workshop in the New Year, which will report to the OSSC meeting in March	Admin/MH	Closed (see item 3)

3. Discussion on the role of OneGeology in relation to other global initiatives

KR updated the OSSC on an email exchange she had with Daniel Lebel regarding OneGeology's relationship with WCOGS. WCOGS is keen to collaborate with OneGeology and support its activities. Daniel had suggested holding a joint webinar on digital geoscience to promote the

achievements of OneGeology and as a mechanism for mapping a way forward on Digital Twin developments. He suggested OneGeology take the lead in arranging such an event in collaboration with colleagues at Natural Resources Canada.

MH had been in recent discussions with the Commission for the Geological Map of the World (CGMW) and the Commission for Geoscience Information (CGI) regarding OneGeology's relationship with these initiatives, but also with UN initiatives such as the UN initiative on Global Geospatial Information Management (UNGGIM). He suggested OneGeology members could be better represented within such groups. TVD agreed that OneGeology should choose how it connects to these groups e.g. could OneGeology be the 'digital initiative' for all of them to avoid duplication of effort.

GM provided some clarity by saying that OneGeology does no overlap with WCOGS; the likelihood for duplication of effort is low. She said WCOGS doesn't exist as an entity – it has no governance structure or official agreement with nations. WCOGS is currently reaching out to other surveys through workshops on 3D and critical minerals and is equally happy to reach out under other banners. She said WCOGS provides a place where we can open up dialogue between surveys and reach a broader audience. TVD pointed out that the WCOGS 3D workshop and OneGeology Digital Twin workshop had presented a confused picture and it would be important to try and combine efforts.

SH said Geoscience Australia is a strong supporter of both OneGeology and WCOGS and suggested it would be important for OneGeology to show how it adds value alongside these other initiatives. KH agreed that the purposes of the different networks should be clear in order to maximise the impact of OneGeology. She added that many international groups are involved in developing Digital Twin programmes and said OneGeology would need to be clear on why its offering is different.

MH said that, whilst the focus of these initiatives is different, they have common touch points. CGMW is about developing digital maps (the main page on the OneGeology portal is map provided by the CGMW), whereas the CGI is focussed on standards and has links to internationally recognised standards bodies such as the ISO. Links with CGI help ensure OneGeology standards are representative and interoperable at a global level.

TVD added that OneGeology is more than just a digital platform; it is a knowledge platform where surveys can share and learn from each other and the recent discussions on Digital Twin development had been a good example of this.

4. Feedback and Discussion resulting from Digital Twin Workshop held in February

MH gave a presentation on the recent Digital Twin workshop. He outlined the purpose of the workshop, key discussions points and outlined suggested next steps.

MH asked for guidance on how to prioritise future activities. It was agreed that initial activities could focus on a couple of pilot projects that responded to specific scientific or societal challenges. TVD suggested that an inventory of all Digital Twin initiatives be created e.g. Destination Earth. KH added

that this may also serve of a method of peer review and that we should start with things that are doable and assess the value they will create.

MH suggested that looking at broader scale activities (at regional level) would enable us to look for synergies between approaches. He suggested a working group be formed tasked with coming up with a workplan to address this challenge and report back to the OSSC in 6 months therefore informing any decisions for future work. TVD, KR, MH, HN and VH would meet to agree a way forward and would contact the groups for guidance around who should join the working group and its Terms of Reference. Any steer would then be passed to the Operational Group for implementation. KH suggested that an estimate of resources be provided so that the scale of the work could be assessed by member organisations.

ACTIONS 3.1: TVD, KR, MH, HN and VH to meet to plan a way forward for Digital Twin working group and report back to the next meeting

5. CPRM Presentation

The President of CPRM gave a presentation on the Tectonic Map of South America, 1:5 M, that had recently been uploaded to the OneGeology portal. MH thanked him for the presentation and acknowledged the amount and scale of the work that had gone into producing this map, particularly the time it must have taken to collate all the data. He said it was an amazing example of the linking together of so many large scale initiatives and the hard work involved in geological surveys working together to make it possible.

6. OneGeology progress & Subscription updates

HN gave an update on subscriptions. She thanked those that had paid so promptly (8 members so far) and said that VH would contact those with outstanding invoices. HN is keen to attract new membership as this would enable to management team to take on more technical tasks and arrange further workshops which were particularly resource heavy. She appealed to members to link with their networks to help encourage new membership.

7. OSSC Guidance – what should the Operational group focus on

KH said that there had been a number of successes in the last year – putting resources onto github so that they are accessible, development of the OneGeology website and portal. She asked for guidance on where the Operational Group should focus its efforts. All agreed that the recent work and discussions on Digital Twins provided some useful focus. All members were invited to share thoughts on other valuable activities with Admin which could then be placed on future meeting agendas.

8. Frequency of OSSC Meetings

MH recognised that participation at recent meetings had been high and suggested that more frequent meetings might be valuable. TVD agreed suggesting another meeting in 6 months time so that an update from the Digital Twin working group could be presented. All agreed that meeting every 6 months, at least in the short term, would help the group retain its momentum. KH suggested that a general progress report also be presented – this might include status on subscriptions, any

technical updates and relevant meetings/conferences members had attended that might be of interest to others.

ACTION 3.2: Admin to arrange 6 monthly OSSC meetings

ACTION 3.3: Admin to prepare regular progress reports for OSSC.

9. AOB

Nothing Raised

10. Date of next meeting

August date to be confirmed

11. New and Outstanding actions list

No.	ACTION	LEAD	DEADLINE
New Actions			
3.1	TVD, KR, MH, HN and VH to meet to plan a way forward for Digital Twin working group and report back to the next meeting	MH	Next Meeting
3.2	Admin to arrange 6 monthly OSSC meetings	Admin	Next Meeting
3.3	Admin to prepare progress reports for OSSC.	Admin	31/05/21
Outstanding Actions			
04	KV to feedback to MH in terms of what quick wins GSI can contribute related to mineral exploration, coastal hazards and marine/offshore.	KV	31/01/21
05	MH agreed to work on the rewording of the current OneGeology Digital Twin flyer and share with the group for agreement.	MH	31/12/20