



Minutes of OneGeology Board Meeting #7

28-29th January 2016, Offices of CPRM, Rio De Janeiro, Brazil

ATTENDEES

Marko Komac – Managing Director OneGeology
 Chris Pigram - Board Chair – CEO, Geoscience Australia
 Dr Eikichi Tsukuda - Director General, Geological Survey of Japan
 Dr Mosidi Makgae - Scientific Research and Programmes Manager, Council for GeoScience
 Dr Maria Glícia da Nóbrega Coutinho – Head International Affairs Office, CPRM – GS Brazil
 Hiran Silva Dias DIGEOP Informatics Division, CPRM – GS Brazil
 Francois Robida - Deputy Head of Division, Information Systems and Technologies Division, BRGM
 Tim Duffy – OneGeology Project Manager, British Geological Survey

APOLOGIES

Dr Lee Allison - State Geologist and Director, Arizona Geological Survey,
 Andrzej Przybycin - Director of the Polish Geological Survey
 Dr Oleg Petrov- Director VSEGEL, Geological Survey of Russia

MINUTES and ACTIONS

1. Welcome and introductions

Chris Pigram welcomes all to the meeting and thanked CPRM for providing excellent facilities. Apologies were received from Dr Lee Allison, Dr Oleg Petrov. Andrzej Przybycin had had to resign from the board representing Europe shortly before this meeting. The administration would help Europe appoint a new representative as soon as practicable.

2. Summary and agreement of Actions and minutes of last Board meeting 13/10/15 (Outstanding & accomplished actions)

ITEM	ACTION	LEAD	DEADLINE	STATUS
6.1	François Robida will present the OneGeology Strategy at the IUGS/CGI meeting in ISPRA, Marko Komac and Matt Harrison will present at the GSA meeting in Baltimore. Marko Komac report findings at the board meeting in Rio de Janeiro, Jan 2016.	FR/MK/MH	Jan 2016	CLOSED
6.2	Matt Harrison will ask John Ludden to meet with CRPM Director at the EuroGeoSurveys General Assembly in	MH	16/10/15	CLOSED (Matt to get report)

	Madrid 19-22 October 2015, to discuss OneGeology			from John Ludden)
6.3	Andrzej Przybycin will send the details of the countries interested in joining OneGeology, to Marko Komac for reference.	AP	23/10/15	Ongoing awaiting action of future European board member.
6.4	All board members are asked to send their regional update to onegeology@bgs.ac.uk by the last week in November in time for the Newsletter distribution in December.	ALL	23/11/15	CLOSED
6.5	Andrzej Przybycin to circulate details of the workshop he is organising in Warsaw around the board, once it is finalised.	AP	30/11/15	CLOSED – see 6.3.
6.6	Matt Harrison to lead on developing a draft plan for possible future governance of OneGeology, to take for discussion at the next board meeting in January 2016.	MH	Jan 2016	CLOSED

3. OneGeology update; current status on membership by regions (Board Members to briefly present status).

Updates were presented from around the world including written reports on Eurasia and North America. A large number of new raster Russia/CIS maps are planned to be added to the OneGeology portal in 2016.

Detailed presentations were made by Maria-Glicia on the South America situation, country by country with details of who is going to serve their own data and who CPRM is going to buddy serve their data for them, and Tsukuda-san on future plans in the Asia/CCOP area. A new project called Geoinformation Sharing Infrastructure for East and Southeast Asia (GSI Project) is planned in the CCOP region. It was confirmed that the web services created by this new project will be registered in the OneGeology portal also. Tsukuda-san asked Tim to contact Joel Barnabas (GSJ OneGeology/CCOP web services) to check that all services in the now correctly branded 'OneGeology Covering East Asia' website are also registered in the OneGeology (global) portal.

The next CCOP meeting is the 50th anniversary of the CCOP hosted by Thailand, Malaysia and Indonesia and will take place 9-11th March. The board thanked Tsukuda-san for pulling together this GSI which will help the East Asia region to contribute and fully engage with OneGeology. Tsukuda-san thanked the board for offering to provide updated promotional materials for OneGeology for him to use at this March meeting. Action Marko/Tim/Matt.

Mosidi talked about some advances in Africa and the data that will be available soon (Lesotho, Mozambique, Botswana, Kenya). Mosidi had successfully arranged confirmation of

an all-day room for the Africa day event as a separate session at IGC35. Mosidi offered to host the OneGeology board meeting (and if necessary the OneGeology Technical Implementation Group meeting) at the CGS Bellville office on the edge of Capetown (15 km from IGC).

Chris Pigram for Oceania commented on developments in Australia and that the mining industry there needed 3D standards development to obtain available 3D data. Mike McWilliams Director of GNS is supportive of the way OneGeology is proposing to go.

Francois commented on the recently EU funded (euro20+ Million) PanAfGeo EGS-OAGS project. One work package he believed had a small SDI infrastructure component. Francois offered to inform the board as soon as the size/scope of this component became available to him.

Marko reported that he had been invited with too little warning to an OAGS meeting at INDABA in March, he thanked them for the invite and pointed out the coming OneGeology Africa day at IGC35.

It was reported that there was still no response or progress in getting Mexico to join as a Principal Member.

Several Canadian Provincial geological surveys have recently expressed an interest in joining as Principal Members. They will meet with the NRC Geological survey director Donna Kirkwood in parallel to PDAC Convention in Toronto 6-9 March. Action Marko/Matt/Tim to prepare new materials as for Japan.

New actions:

- 7.1 Tim to check services in portal with Joel Barnibas
- 7.2 Marko/Tim/Matt produce new materials for CCOP meeting by end February
- 7.3 Francois to inform the board as soon as the size/scope of the SDI component in the PanAfGeo EGS-OAGS became available to him.
- 7.4 Marko/Tim/Matt produce new materials for GSC meeting by end February.

4. OneGeology Budgetary issues, BGS & BRGM finances

At the end of 2015 OneGeology had 27 subscription paying members (for details please see the first table below – OneGeology membership status Jan 2016): 22 Principal Members, two corporate members (Schlumberger and ESRI), and three Associate Members (IUGS, GEM and CCOP). In beginning of 2016 two Principal Members are to join OneGeology – GBA (Austria) and LNEG (Portugal).

The total current shortfall for the BGS+BRGM consortium leading parties is therefore of the order of euro 150k (£103k) for BGS (for details please see the second table below – OneGeology Income & Outgoings balance sheet for FY2015 (as at 11.01.2016) and approx. euro 50k for BRGM contribution in kind which does not appear in the accounts. This loss is being borne by BGS partly as unrecovered overheads and partly as additional project losses.

OneGeology membership status Jan 2016

Date	Value(EUR)	Customer	Country	
28.nov.14	2707,99	GEM Foundation	Italy	New
2.dec.14	5.000,00	Arizona Geological Survey	United States	

6.jan.15	2.500,00	Geological Survey Of Slovenia	Slovenia	
6.jan.15	5.000,00	GNS Science Limited	New Zealand	
6.jan.15	2.500,00	Bundesamt fur Landestopografie Swisstopo	Switzerland	
6.jan.15	5.000,00	Geological Survey of Sweden	Sweden	
6.jan.15	5.000,00	Geological Survey Of Finland (GTK)	Finland	
6.jan.15	2.500,00	Geological Survey Of Ireland	Ireland	
6.jan.15	5.000,00	FGUP VSEGEI	Russia	
6.jan.15	5.000,00	Geoscience Australia	Australia	
6.jan.15	2.500,00	Service Geologique du Luxembourg	Luxemburg	
6.jan.15	5.000,00	GEUS	Denmark	
6.jan.15	5.000,00	CPRM - Geological Survey of Brazil	Brazil	
6.jan.15	5.000,00	TNO	Netherlands	
6.jan.15	2.500,00	Belgium	Belgium	
6.jan.15	5.000,00	Geological Survey of Japan	Japan	
6.jan.15	5.000,00	Polish Geological Institute	Poland	
6.jan.15	5.000,00	Schlumberger	Czech Republic	
6.jan.15	5.000,00	Geological Survey of Canada	Canada	
9.feb.15	7.500,00	Environmental Systems Research Institute, Inc. (ESRI)	United States	New
16.feb.15	5.000,00	Korea Institute of Geoscience and Mineral Resources	Korea	New
15.apr.15	5.000,00	Chinese Academy of Geological Sciences (IUGS)	China	
1.jun.15	5.000,00	United States Geological Survey	United States	New
16.jul.15	5.000,00	Coordinating Committee for Geoscience Programmes in East and Southeast Asia (CCOP)	Thailand	New
4.sep.15	5.000,00	Council For Geoscience	South Africa	
1.dec.15	5.000,00	Instituto Geologico y Minero de Espana	Spain	Unpaid
2.dec.15	5.000,00	Laboratorio Nacional de Energia e Geologia, I.P.	Portugal	Pending

OneGeology Income & Outgoings balance sheet for FY2015 (as at 11.01.2016).

OneGeology - Projection - Financial Year 01/04/2015 to 31/03/2016						
	Projections		Actuals to 11.01.2016		Act. Income Vs Proj. Spend	
	£	€	£	€		
Projected/Actual Income 2015/16						
Renewals of Existing Members	64.642,41	82.500,00	71.392,32	92.500,00	71.392,32	92.500,00
New Members	15.142,44	20.207,99	18.715,06	25.207,99	18.715,06	25.207,99
Members agreed in principle	3.623,19	5.000,00			-	-
Total Income	83.408,04	107.707,99	90.107,38	117.707,99	90.107,38	117.707,99
Total Funds Available	83.408,04	107.707,99	90.107,38	117.707,99	90.107,38	117.707,99
Projected/Actual Expenditure 2015/16						
BGS Labour	46.042,04	63.538,02	31.919,58	42.834,15	46.042,04	63.538,02
Overheads (115%)	52.948,35	73.068,72	36.707,52	49.259,27	52.948,35	73.068,72
BGS Travel & Subsistence	9.000,00	12.420,00	5.028,74	6.748,27	9.000,00	6.748,27
M Komac Subcontract	35.507,25	49.000,00	32.464,55	43.565,47	35.507,25	49.000,00
M Komac VAT (Self Assessed)	7.101,45	9.800,00	6.492,91	8.713,09	7.101,45	9.800,00

BRGM Funding	36.231,88	50.000,00	36.231,88	50.000,00	36.231,88	50.000,00
Total Expenditure	186.830,97	257.826,73	148.845,18	201.120,25	186.830,97	252.155,00
Projected/Actual Annual Shortfall/Surplus	103.422,93	150.118,74	58.737,80	83.412,26	96.723,59	134.447,01

OneGeology has acquired 3,500 USD from the IGCP. Based on the agreement between MD and UNESCO/IUGS these funds will be transferred to 2016 and merged with the same budget allocated by UNESCO/IUGS for OneGeology project IGCP 624 in 2016 facilitate the attendance of OAGS colleagues of the OneGeology workshop at the 35th IGC in Cape Town in August 2016. Consequentially approximately 7,000 USD will be available to co-sponsor the travel expenses of OAGS participants.

A long discussion followed on possibilities to minimise the OneGeology budget shortfall. Although the shortfall would be lowered with every new member, this would only impact the 2016 budget. Raising the membership fees was the approach all board members agreed upon. Marko Komac proposed to keep membership fees minimum level and leave the maximum amount open for each member to decide upon. Chris Pigram proposed that membership fees would be doubled based on current membership fees, but would need to be tested with members first. Tim Duffy explained that invoices for 2016 will be sent out at the end of February and if doubled the total income would approach but not reach the amount needed to cover the minimum activity base level that we are currently operating with. Matt Harrison pointed out that BGS & BRGM will cease supporting OneGeology with the current fund contribution at the end of 2016. Francois confirmed that he had managed to secure the required 'euro 50k in kind' for BRGM staff in 2016 to match the actual euro 50k that BRGM receives from the OneGeology annual budget. It was emphasised Board needs to find a proposal on the sustainable solution before the end of their meeting in Rio.

5. OneGeology Work Report for 2015 (management, outreach, administration and technical developments)

Marko presented OneGeology work report (paper 4) for 2015 including meetings, internal and external communication, public relations, and publications. The main focus was on the outcomes of the Baltimore GSA Meeting, which was presented already on the 1st day of the Board Meeting (Workshop day: Future of OneGeology).

The technical progress was presented by Tim Duffy. He noted that lots of background work was done on the OneGeology Portal (that is not directly visible).

Important enhancements have been made to the portal user interface to facilitate adding new OneGeology layers, backed-up with a sophisticated new search capability that allows the user to search for and display data services available by geography as before, but also now search for services by WMS, WFS and WCS type and to search for data defined by the new geoscience topic 'Thematic keywords' (although searchers are not aware of what the possible keywords are).

The 11th OneGeology Technical Implementation Group meeting was held on 26th May 2015 and asked of this board meeting:

"In the OneGeology (global) client, do we keep the "add OneGeology layer" with the tree by countries, or do change the search tool?

RECOMMENDATION:

Keep country list as one of the service selectors

BUT Add keyword search tab with a drop down, allow multiple search terms.

Consider tab names, do we want to separate by geography and theme...

- A search area (included in the portal, then requesting the GeoNetwork CSW) should allow a user to:
Search by thematic keyword (the tree of keywords should be presented)

The board to decide if they want separate tab names for the different search types once the new version of the portal is released”.

The board understood the value proposition of what more OneGeology geoscience thematic services offers and following discussion the board agreed to request BRGM to add a second search tab (as in the previous version of the portal, that version just advertised the Geoparks theme). This would display the available 126 Thematic keywords (and possibly grey out those thematic topics for which there were currently no services available). At a stroke this will allow users/customers to appreciate the potential much wider geoscience datasets that OneGeology aim to provide as the ‘Providing geoscience data globally’ first port of call on the web, and perhaps more importantly advertise clearly to data providers that they can provide such new expanded services.

New actions:

7.5 Action BRGM to add the thematic keyword tab/pulldown list for Theme alongside the Geographic tab

7.6 Action Tim to write to all current data providers (70+) to ask them to a). add these keywords to existing services where appropriate and b). setup new services focussed on the new expanded topics in the thematic list as approved by the Board in October 2014. The latter letter and clear expansion of OneGeology scope may lead to more interest in becoming Principal Members.

6. Future of OneGeology: Towards a global coordinating mechanism for e-infrastructure for the geosciences or a shut-down?

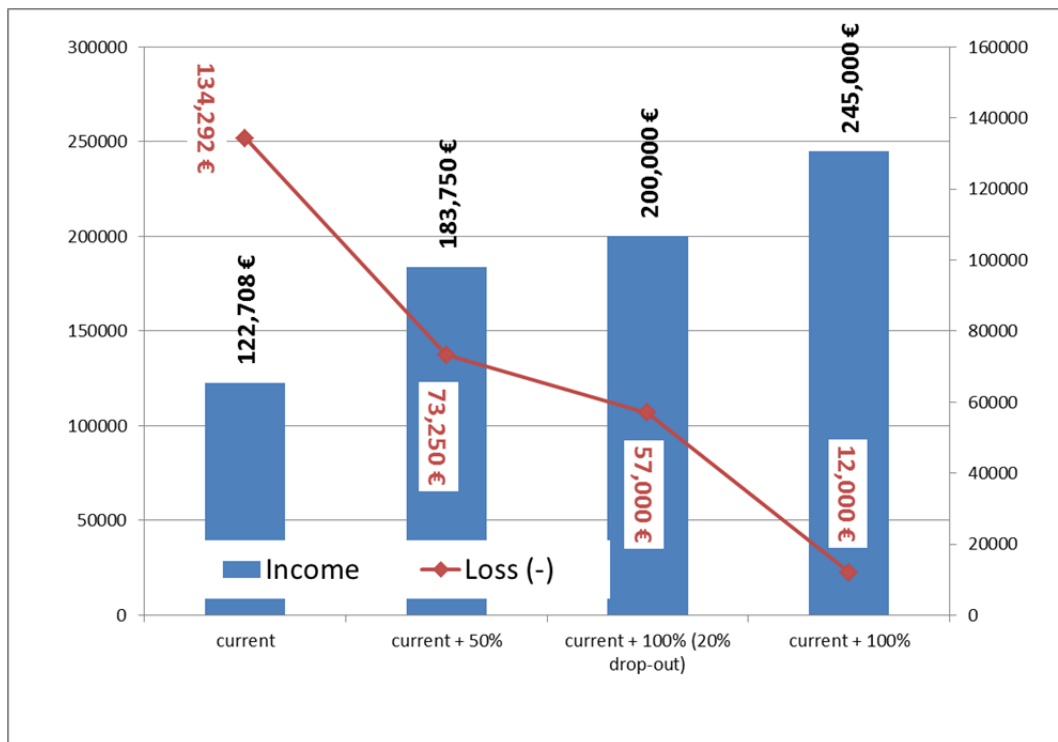
The 4 options for the future of OneGeology as discussed on the Day1: workshop day were considered in detail by each board member:

1. Business As Usual
 - Not really an option since not sustainable
2. Business As Usual + collaboration
 - OneGeology to be a hub for data and technology
3. Collaboration only
 - would demand a willingness to help from geological surveys that they currently do not have
4. Exit strategy

Possible collaboration issues:

- 1). 3D
- 2). Big data (sensor data streams) , open data, digital preservation
- 3). Data policy

The cost implications of the current funding of some of the options was discussed using this graphic:



The unanimous formal decision of the Board was to proceed with option 2, including doubling each membership rate starting with the 2016 membership year and proposing 3D standards as the initial collaboration proposal.

7. Action list

ITEM	ACTION	LEAD	DEADLINE
7.1	Tim to check that services in from the East Asia site are registered in the OneGeology portal with Joel Barnibas of GSJ	TD	August 2016
7.2	Marko/Tim/Matt produce new OneGeology promotional materials for CCOP meeting in March	MK/TD/MH	End February
7.3	Francois to inform the board as soon as the size/scope of the SDI component in the PanAfGeo EGS-OAGS became available to him.	FR	
7.4	Marko/Tim/Matt produce new materials for GSC-provincial surveys meeting in March	MK/TD/MH	End February
7.5	Action BRGM to add the thematic keyword tab/pulldown list for Theme alongside the Geographic tab	FR	By end March
7.6	Action Tim to write to all current data providers (70+) to ask them to use the Thematic keywords	TD	Once action 7.5 visible to

			providers
7.7	Draft letter to PM's outlining issue and advising we are shortly to send invoices for 2016 at 10000 PM rate (double all rates - option 2 – BAU + collaboration).	CP	Draft letter by 8 th February
7.8	Seek to build a project based activity and ask for cooperation, with some core funding and some activity in kind, from some PM's (ideal 6?). In first round of OneGeology collaboration activity we recommend 3D, there will be following issues to be addressed.	CP	Communique of decisions at this board
7.9	Coordinate 3D activities between OneGeology and CGI	FR	ongoing
7.10	Requirement to identify 3D project lead	CP+FR	ASAP
7.11	Develop a business plan (BP) for 3D project	CP+	By end of June
7.12	Circulate BP to PM's and seek commitment to the project from some PM's by end July	CP	By end July
7.13	Follow up with LA/NSF the new CRE/Belmont opportunity	MK+LA	soon
7.14	Chair to follow up with Clair McLaughlin (AU Brussels CRE rep.) in relation to the EU – CRE connection.	CP	soon
7.15	Explore alternatives sources of funding: 1) Charity funding for Capacity building 2). For 3D project – smart cities?	MK+board	opportunistic
7.16	Compile a list of relevant geoscience info management conferences over next 12 months to assist strategic targeting for further development of OneGeology agenda e.g. OGC, RDA...	MK	End March
7.17	Update OneGeology promotional information to reflect this agenda (inc. quotes and words for regional survey management to join etc)	MK	End of Feb
7.18	Liaise with Mosidi for Capetown 1 day board meeting. To recommend to BGS and BRGM future of OneGeology.	MK	ongoing
7.19	Give MK their availability dates for board meeting at IGC35 avoiding other meeting/sessions commitments between 29/08 and 02/09 or 05/09	Board	By end march
7.20	IGC sessions need to repeat the OneGeology agenda: Already organised GeoSciML workshop including OneGeology work; At least two abstracts submitted. MH to ask board for list of papers/sessions to be encouraged; Lee's SDI workshop will also be approved.	MH	By end Feb (last abstract date)
7.21	African OneGeology FULL day room will be held within IGC. Date to be confirmed. Prepare flyers for this day.	MK, Mosidi	

7.22	OneGeology admin to send detailed list of OneGeology Africa participants and past contacts attempted to be involved. BGS/BRGM to look at this list and provide any more modern contacts they might have.	BGS+BRGM	By end March
7.23	Next board telcon on 14 th June – Oceania/Asia more friendly times if possible this time please? Agenda will be progress report on these actions.	Board	
7.24	Ask European PM's to nominate new European board member	MK	By End March
7.25	Next face to face end January 2017: Host: MK to ask new EU board member to host? Confirm date and venue.	MK	
7.26	Ask Dr Petrov if he can nominate another person to be the board member for Eurasia. TD to give MK suggested Russian names.	MK+TD	
7.27	Chair to thank Andre Przybycin for board participation in past	CP	

8. Date and Venue of next Meeting

CGS Bellville office on edge of Capetown (15 km from IGC) provisional date during mon-Friday week 29/08/2016 and 02/09/2016 or 05/09/2016. Further details to follow.