



OneGeology Board Meeting

22-24 January 2014

Catalina Room, “Lodge on the Desert”, Tucson, Arizona

A G E N D A

DAY 1: Wednesday 22 nd January 2014					
Item #	Time	Item	Lead	Task	See page#
1	9.00	Welcome and introductions	Chair, MD		
2	9.05	Summary of Paris meeting and update	MD	All to ensure they are up-to-date with agreements from Paris	5
3	9.15	Review and update of Actions	Chair	All to provide updates and review actions	8
4	9.35	Updates on the Consortium Agreement	MD, LA	All to ensure that they are aware of the changes made to the CA	11
5	9.45	<p>Defining clear roles within the Governance structure</p> <ul style="list-style-type: none"> - who's who and roles responsibilities of all sections - Operational groups - creation of sub-groups (e.g. technical, science, sponsorship) and roles/tasks to be proposed. - advisory committee –members need to be invited, role and remit identified 	MD, All	<p>Clearly define all roles within the governance structure</p> <p>How should the Operational Group work?</p> <p>How should the Advisory Group work?</p>	29

6	13.30	Scientific & technical goals		Discuss priorities and agree guidance and steer for the operational groups	31
7	14.30	Terms of Reference (TORS) <ul style="list-style-type: none"> - Board members TOR - Managing Director TOR and tasks (briefing so everyone is aware) - BGS/BRGM roles - Consortium members TOR - Associate Members - Operational groups TORs (e.g. TWG, OMG as agreed in item above) 	MD	Define and draft all ToR	34
<i>Dinner</i>		<i>Southwestern cuisine and a taste of the Sonoran desert environment</i>	<i>Hosted by Lee Alison and his wife</i>		
DAY 2: Thursday 23rd January 2014					
8	9.00	Finance <ul style="list-style-type: none"> - What to fund from the consortium funding, which tasks, who should be funded, how it will be managed. - Payments/outgoings - MD, BRGM - Auditing & reviews of progress (within the defined tasks of MD) & monthly reports - Sustainability 	Chair, MD	Discuss options and agree a strategy to take forward/develop guidelines. Assign tasks to ensure this is completed imminently	41
9	11.00	Marketing plan <ul style="list-style-type: none"> - publication of a 1G brochure for commercial funding (see draft for comment) - draft plan for PR – publications; presentations (maybe prepare template?) 	Chair, MD	Provide input and suggestion of how this brochure should look	43
10	14.00	Outreach <ul style="list-style-type: none"> - Education/Training, Outreach/Public Engagement 	Chair	Discuss a strategy for outreach and assign tasks to appropriate	44

				working groups	
11	15.00	Collaborations <ul style="list-style-type: none"> - Update on World Bank discussions - Continue and establish new collaborations (e.g., Belmont Forum e-Infrastructure; GEO/GEOSS, Research Data Alliance, CoopEUS, International Renewable Energy Agency, National Data Repositories, INSPIRE, EarthCube (US)). Which are priority? 	Chair	Discuss potential and current collaborations and agree a strategy to take forward	45
<i>Dinner</i>		<i>Joint dinner at Tucson bar/restaurant (TBC)</i>			
DAY 3: Friday 24th January 2014					
12	9.00	Immediate tasks: Working Groups <ul style="list-style-type: none"> - create working groups to take forward Paris discussions - “Operational Management Group” (or its equivalent) Technical advances <ul style="list-style-type: none"> - Consider the feasibility of moving towards open data/creative commons, cloud technology, Crowdsourcing. - What other types of information should OneGeology look to provide and from whom? à need to give proposals for Arizona meeting - How do we achieve QC for non geological survey data? <ul style="list-style-type: none"> - (architecture, standards, interoperability) 	Chair	Discuss and agree the working groups and their specific tasks that will be taken forward.	46
13	11.00	Prepare proposals and ideas (and assign tasks) how to engage more: <ul style="list-style-type: none"> - consortium members - members serving WFS 	Chair	Drawing on items already discussed in the agenda over the last 2 days, discuss and propose specific tasks (technical?) and engagement for members, including encouraging further development and	49

				contribution	
14	12.00	Wrap up and review of all actions	MD		
15	12.10	Date and location of next meetings - Board - AGM	Chair		
16	12.20	A.O.B	Chair		

Logistics

Meeting and accommodation

“Lodge on the Desert” in Tucson, Arizona, USA has been reserved for the OneGeology Board meeting, January 22-24. Information about the accommodations is at:

<http://www.lodgeonthedesert.com/accommodations.php>.

Room rates are \$86/night (€63, £53). The rate is available for up to 3 days before and after the meeting if you would like to extend your stay. Complimentary internet is available throughout the property. Breakfast, lunch, and meeting breaks are included in our package.

Meeting space will be the “Catalina Room” <http://www.lodgeonthedesert.com/wp-content/uploads/2012/10/10262012-fp-capacities.pdf>. If you look at this page: http://www.lodgeonthedesert.com/meetings_spaces.php the image along the top is of the meeting room.

MEETING PAPERS

Item 2		Summary of Paris meeting and update	MD, secretariat	All to ensure they are up-to-date with agreements from Paris
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OneGeology meeting summary: Paris

OneGeology recently met to drive forward the OneGeology Initiative and determine its future development and focus. In August 2012, at the IGC in Brisbane, it was agreed that OneGeology would create a new consortium that would sign up to an agreement. This was put into place and the first meeting of this consortium was held in Paris on 21st October 2013. Agenda items focussed on the new objectives, consortium membership, appointment of board members, funding and governance structure.

The 2nd day of the meeting encompassed an open meeting on 22nd October to which all Onegeology participants and other interested parties could attend and discuss future focus and development.

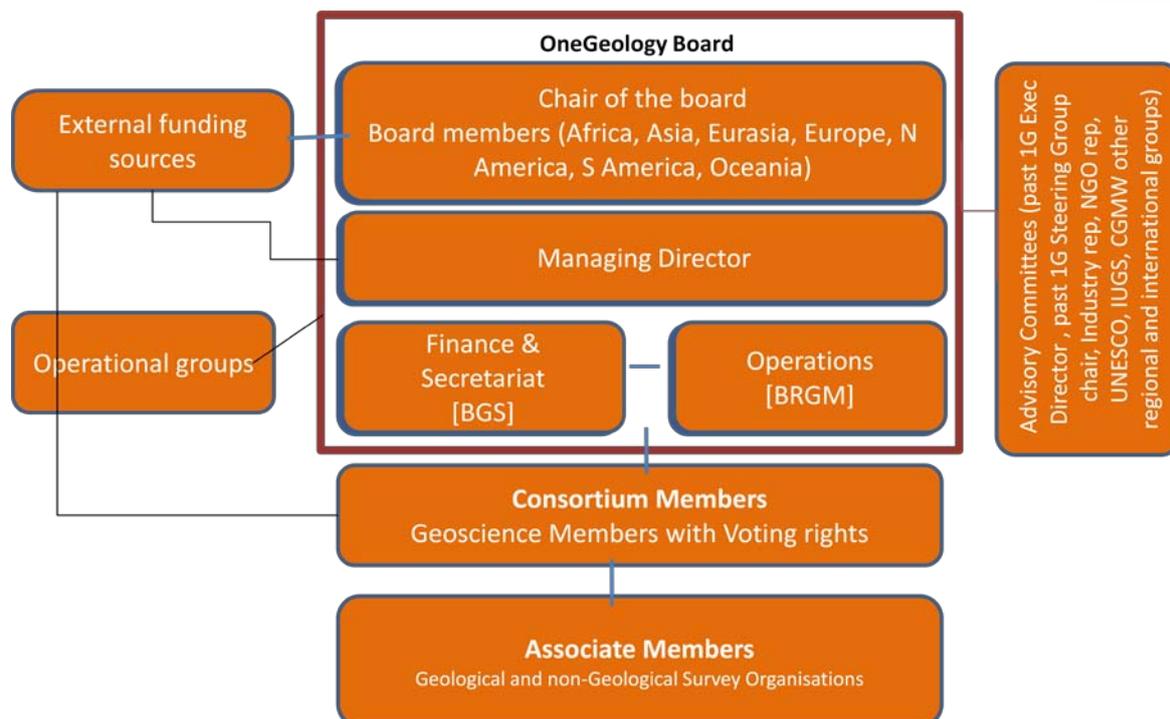
OneGeology's Objectives

Initial discussions focussed on revisiting the broad-level OneGeology objectives. These were revised and agreed:

1. To be the provider of geoscience data globally
2. To ensure an exchange know-how and skills so all can participate
3. Use of the global profile of 1G to increase awareness of the geosciences and their relevance

A new governance structure

Governance discussions considered the different entities, their linkages and broad relationships and roles. After detailed discussions, the following structure was agreed:



Nominations were requested for the role of the new managing director of OneGeology, taking over from Ian Jackson. Dr Marko Komac (Geological Survey of Slovenia) was proposed by Dr J Ludden (BGS) and P Landais (BRGM). This proposal was agreed unanimously by all present. The position will be for a nominal period of 3 years until the IGC 2016.

A Board of representatives from the consortium were appointed as follows:

Asia: Japan – Dr Eikichi Tsukuda (Geological Survey of Japan), Eurasia: Dr Oleg Petrov (VSEGEI), Europe: Dr Andrzej Przybcin (Geological Survey of Poland), Oceania: Dr Chris Pigram (Geoscience Australia), North America: Dr Lee Allison (Geological Survey of Arizona). No representation is currently available for South America or Africa and it is hoped that organisations from these regions will become consortium members soon. The representative for the British Geological Survey is Mr Matthew Harrison and for the French Geological Survey, BRGM is Mr François Robida. The Board will appoint a chair in the coming month.

Funding

It was agreed that minor amendments to the Consortium Agreement would be implemented to reflect this governance structure and that the fees for 2014 will be due by January 1st 2014. Fees will remain the same as 2013. A significant difference in the new structure is that a OneGeology consortium member will have an active role in the AGM and in influencing the direction the project takes.

Discussions on the future development of OneGeology

All attendees were asked to consider and discuss a range of options for the future development. These discussions helped to identify items to take forward and research in greater detail.

Technical ideas/proposals/feasibility

- *Consider the feasibility of moving towards open data/creative commons, cloud technology, Crowd-sourcing.*
- *Should 1G provide a single platform or multiple platforms?*
- *How should the portal be developed, what functions need to be included?*

Scientific proposals

- *What other types of information should OneGeology look to provide and from whom?*
- *How do we achieve QC for non geological survey data?*
- *Should 1G develop global thematic maps e.g. hydrogeology, tectonic activity maps, mineral resources, etc.*
- *What other developments should OneGeology look to evolve in the longer-term?*
- *What is a tangible timeline to develop a virtual global geological survey?*

The Board members agreed that their next meeting should be held in January 2014 (dates TBC) before which a series of documents will be prepared.

Item 3		Review and update of Actions	Chair	All to provide updates and review actions
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Actions from the OneGeology Paris Meeting

21st and 22nd October 2013

Action #	Action	Owner	Status
1	Forward Chris Pigram contact details to Secretariat.	AM	Discharged
2	All Consortium members to respond and support fully the MD when necessary	Consortium	Ongoing
3	Send Consortium member invoice for period Jan-Dec 2014.	Secretariat	In hand
4	Circulate the summary of decisions made during Paris meeting to entire OneGeology mailing list.	Secretariat	Discharged
5	Prepare a short meeting report (500 words) for newsletters.	Secretariat	Discharged
6	Define the role and remit of the new board chair by the end of November.	Board?	
7	Write to the current Operational Management Group (OMG) and Technical Working Group (TWG) to reassure them of their continued role and ask how they can better input with respect to the changes with OneGeology.	MK	Discharged
8	Create OneGeology prospectus.	Secretariat to coordinate, MK, Board	Pending
9	Provide industry contacts/potential sponsors.	Consortium, Secretariat	Pending
10	Prepare and distribute press release to all consortium organisations.	Secretariat	Discharged
11	Prepare a strategy for the associate members highlighting the reasons and benefits of being a continued part of the OneGeology community.	Board	Pending

12	Add clause to the OneGeology charter/Consortium Agreement that Board membership can be terminated (should the member not be complaint with the ToRs).	CL	Discharged
13	Identify key people to speak with members to maintain their interest in OneGeology.	MK and Board Chair	Pending
14	Draft Terms of reference – roles for the board members and chair to be set out ASAP	MK, Board, Consortium	Pending
15	Vote on changes to the 1G Consortium Agreement by the 1G Board members. Deadline is the end of the year.	MK, Board	Pending
16	Arrange Board meeting for the week of 20-21 of January 2014 (TBC) in USA (+ regular videoconferences). Secretariat to poll available dates for the meeting.	Secretariat	Discharged
17	Next Consortium meeting should ideally attached to a big event (1 st outside Europe). Secretariat to look for appropriate conferences and dates.	Secretariat	Pending
18	Draft Action plan and sourcing = operational business plan – including the measurable goals (success criteria) + controls.	Board, Consortium	Pending
19	Review of the way the technical and operational groups operate (asking them to provide their views)	MK	In process
20	Set up sub-groups (for budget, sponsorship, legal + governance, technical, science etc.) led by a member of the Board, to be appointed.	Board	Pending
21	Provide a OneGeology PowerPoint presentation for forthcoming UNESCO events in Africa and Latin America. Patrick McKeever to send dates of these events.	Secretariat, PM	Discharged
22	MD to phone key people directly, especially all former Steering Group Members to explain latest developments and invite to get active.	MK	Discharged
23	Presentations for the Paris Meeting to be made available with the minutes.	Secretariat	Pending
24	Date of next Consortium meeting should be in 6 months' time, combined with another event, potentially in the USA. Meeting delegates to forward all suggestions within one week of Paris meeting.	Secretariat, ALL.	

25	Selection of Board chair to be decided within 1 month.	MK, Board	Discharged
26	Update contacts list spread sheet	Secretariat	In hand

Item 4		Updates on the Consortium Agreement	MD, LA	All to ensure that they are aware of the changes made to the CA
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Final CA attached and will be circulated for 2014 fees



Year 2014

OneGeology CONSORTIUM MEMBERSHIP AGREEMENT

between

OneGeology (NATURAL ENVIRONMENT RESEARCH COUNCIL
and BUREAU DE RECHERCHES GÉOLOGIQUES ET MINIÈRES)

And

<< CONSORTIUM MEMBER NAME >>

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PARTIES

(1) NATURAL ENVIRONMENT RESEARCH COUNCIL whose administrative office is at Polaris House, North Star Avenue, Swindon, SN2 1EU (“NERC”), represented by its component body the British Geological Survey (“BGS”) of Environmental Science Centre, Nicker Hill Keyworth, Nottingham, NG12 5GG, UK,

and

BUREAU DE RECHERCHES GÉOLOGIQUES ET MINIÈRES whose administrative office is at 3 avenue Claude-Guillemin, Orléans-la-Source, à Orléans, France (“BRGM”).

(NERC and BRGM are the ‘Lead Parties’)

; and

(2) <<name and address of Member>> (“Member”)

TYPE OF MEMBERSHIP

- // GEOLOGICAL SURVEY ORGANISATION
- // ACADEMIC OR TEACHING (other than geological survey)
- // GOVERNMENT BODY OR AGENCY (other than geological survey)
- // INTERNATIONAL BODY OR AGENCY
- // COMMERCIAL COMPANY
- // NOT-FOR-PROFIT COMPANY

Details of membership types are available at Schedule One. Please tick as appropriate.

1 PREAMBLE

OneGeology is a global initiative which is initially improving the accessibility of a fundamental geoscience dataset - geological map data and now expanding to encompass all digital geoscience data. It is improving the discovery, access, and interoperability of that data and last, but not least, accelerating the transfer and exchange of know-how and experience to achieve these things through state-of-the-art digital technologies including Web services. Since its inception in 2006 OneGeology has evolved considerably. One hundred thirty eight (138) organisations from 117 nations are now participating, serving more than 250 datasets to a dynamic Web map portal. The number of datasets is increasing steadily in extent, resolution and theme. OneGeology's websites are used by researchers, government, teachers, industry, and the public.

OneGeology is the major initiative of the geological surveys across the world, national and state/provincial/territorial. It is a flagship project of the International Union of Geological Sciences. It is actively supported by UNESCO and the Commission for the Geological Map of the World. It is regarded as an exemplar project in the domain of science and spatial data infrastructures by the International Council for Scientific Unions (ICSU), by the Global Earth Observation initiative (GEO), by the European Commission, and by the Open Geospatial Consortium. It has been supported actively by the major GIS software company Esri.

Since 2007 the Lead Parties have provided the leadership, secretariat services and technical maintenance of OneGeology and its services. They have undertaken to continue to do so, but now seek the financial support of others who participate in and benefit from OneGeology: through subscription from its Members and other contributions from the geological survey community, the OneGeology Consortium seeks to improve One Geology's present coordination, governance and financial position.

The **Objectives** for which the Consortium is established are those of OneGeology; they are:

- To be the provider of geoscience data globally;
- To ensure an exchange know-how and skills so all can participate;
- Use of the global profile of 1G to increase awareness of the geosciences and their relevance.

By joining and becoming a Member of this Consortium organisations will ensure the sustainability of OneGeology. Members will be helping to realise its full potential and play an integral part in its further development as the global platform to improve access to fundamental geoscience data, to the exchange of knowledge and skills to deliver that data, and to improve the interoperability of scientific data for the benefit of the users of geological knowledge across the world. Membership will ensure that the data and services delivered by national and state/provincial/territorial surveys are available on a high profile global platform. It will give Members personnel access to the expertise and experience of international geoscientists and informatics experts. It will leverage Members organisations' research, survey and service contribution through its global presence, and its track record in spawning projects supported by regional and national funding agencies.

2 BACKGROUND

A Board of OneGeology (previously known as the Steering Group) representing the geological surveys of the world, on a seven continent basis, provide the governance of OneGeology. The Board and the Lead Parties thus wish to make available to subscribing Members (hereinafter referred to as Principal Members) on an annual membership basis, Membership of a OneGeology Consortium.

This Consortium Membership Agreement sets out the terms, rights, and fees associated with membership (described in Annex 1) and also describes the governance of the Consortium; it encourages Members who wish to join the Consortium, further the Objectives of OneGeology and to provide access to data and expertise. At the same time it supports the Board and the Lead Parties which have agreed to contribute to, govern, and coordinate OneGeology - all actions which are subject to the terms and conditions of this Agreement.

3. MEMBERSHIP

Membership in OneGeology conveys many benefits: membership and active participation means a Member organisation has access to the world's leading digital data management technology and resources. Members will help drive the direction of geoscience cyberinfrastructure to clearly define the problems, establish the solution criteria, and set priorities. Membership helps Members adopt and comply with emerging technical designs and standards. Membership also provides opportunities to interact and work directly with the leading organisations and individuals in the digital geoscience data world.

Membership in OneGeology is conveyed to signatories of the OneGeology Accords adopted in 2007 in Brighton, United Kingdom. **Members** have all rights and responsibilities described in the current document, but may not vote for members of the Board unless they pay the Principal Members fees. This basic level of membership provides members with voting access to Operational Groups of the OneGeology committees. Membership in OneGeology is non-lapsing but resignation is effective with 30 days of written notice to the Secretariat.

Members who pay the membership fees described in Annex 1: Schedule One Membership Fees become **Principal Members**. In addition to the rights provided to all Members, Principal Members vote on governance and financial issues and may access a number of free or reduced cost registrations to OneGeology conferences and meetings, as determined by the Board.

Non-profit, academic, or governments organizations that support the objectives of OneGeology but do not provide data or maps through OneGeology may become **Associate Members**. Associate Members will be eligible to receive all OneGeology correspondence and participate in OneGeology activities within the limits of the OneGeology charter and terms of reference for operation. The fees for Associate Membership are described in Annex 1.

Commercial entities may become **Corporate Members**, eligible to receive all OneGeology correspondence and participate in OneGeology activities within the limits of the OneGeology charter and terms of reference for operation. The fees for Corporate Membership are described in Annex 1. Corporate Members are eligible to send up to four representatives to attend an exclusive annual technical and strategic review of emerging technologies and deployments in the OneGeology consortium.

4 GOVERNANCE

OneGeology is not a legal entity: it is a non-corporate body supported through the trust of its Members and, in particular, the Lead Parties. It will be governed by the Board and supported by the permanent administration provided by the Lead Parties. The Board will comprise members (hereinafter referred to as Board Members) representing geological survey organisations (both national and where appropriate state/provincial/territorial) from each of seven continental regions - Africa, Asia, Eurasia, Europe, North America, Oceania, South America (the definition of the seven continental regions is given in Annex 3. In recognition of the substantial logistical and financial support provided in the past and continuing to be provided to OneGeology by the Lead Parties, additional two Board Members will be nominated from and by the Lead Parties. The Managing Director is automatically appointed a Board member by her/his position.

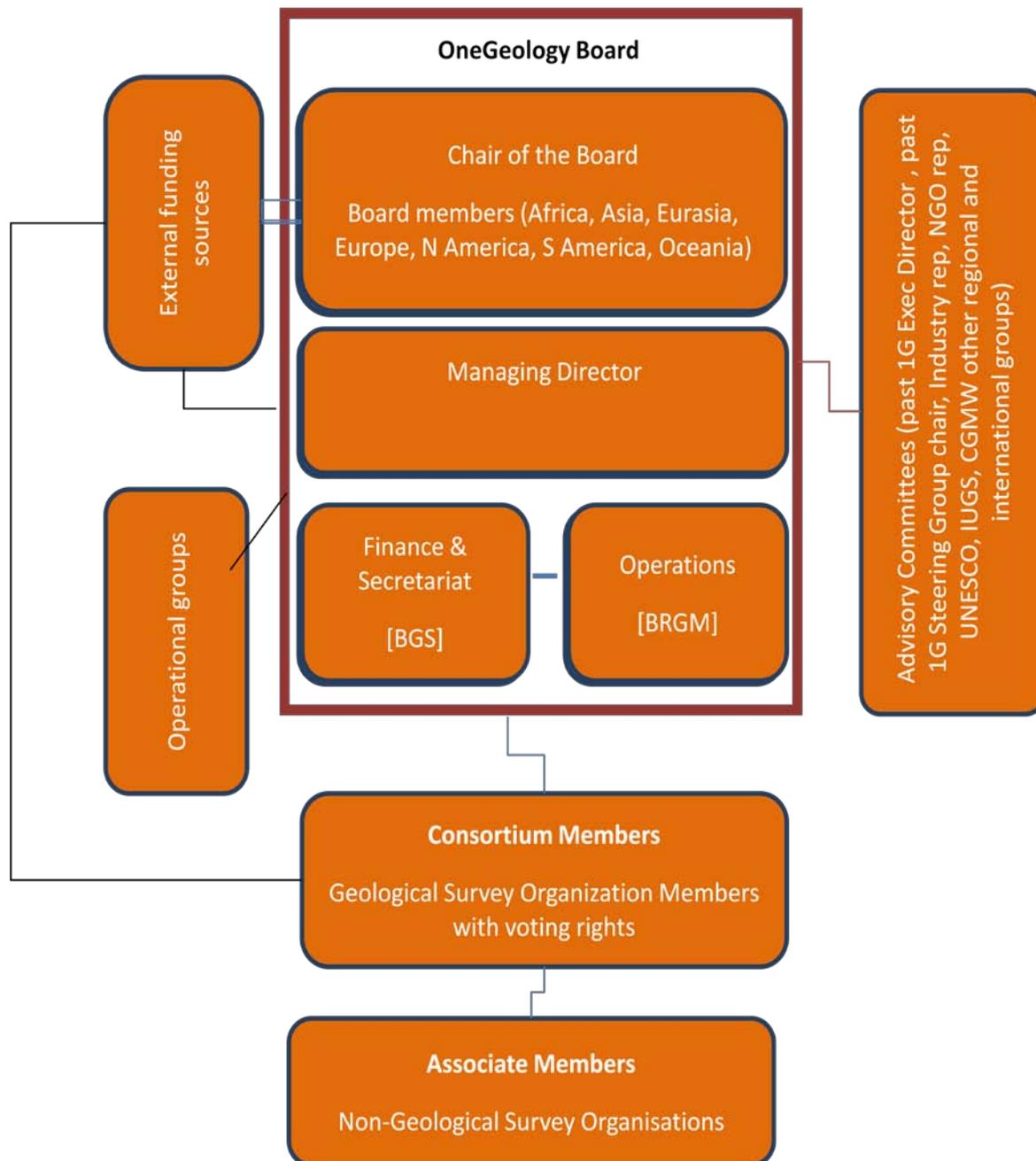
Each of the seven continental regions may nominate one person to hold office as a Board Member. The process of appointing that Board Member is the responsibility of each continental region as is their duration of office, providing that duration is not less than 6 months. The regions may request OneGeology management to recommend and coordinate the appointment process for that region.

Each Board Member must accept responsibility to actively promote and participate in OneGeology and its governance and fully and fairly represent the continental region from which they are drawn. The time and expenses of Board Members are funded by their parent organisations.

The ten Board Members will appoint a chair person from within their number and agree on the term and protocols which apply to the office of chair person. The Board will develop a charter and terms of reference with assistance from the Secretariat. The Board will determine their operational and meeting procedures. Every Board Member has one vote at a Board meeting and may call a Board meeting or any other person as authorised by the Board ToR (or virtual meeting) at any time, subject to fourteen (14) day notice. A quorum will be a minimum of four Board Members. The chair person will hold a casting vote should a simple majority not be reached.

The Board may request Advisory Committees to be present at its meetings (for example UNESCO, International Union of Geological Sciences and the Commission for the Geological Map of the World).

OneGeology Governance Structure (2014)



5 RESPONSIBILITY AND POWERS OF THE CONSORTIUM, ITS BOARD, AND MANAGING STAFF

The Consortium, its Board, and management staff have the responsibility to further the Objectives of OneGeology. The Board and Consortium has the power to do anything within the law that may promote or may help to promote any or all of the Objectives, but nothing outside the Objectives.

Income from membership fees and other sources will be used to supplement the Secretariat services and technical coordination functions (roles summarised in Annex 2) supported at a core level by the Lead Parties. The Board may also choose to employ such staff as are necessary for carrying out the work of the Consortium, in particular ensuring the effective and efficient executive leadership of OneGeology (i.e. the Managing Director). The Board will establish the roles needed and select the

personnel and their terms of employment. The costs of supplementing core services and functions and/or employing such personnel will not exceed the resources made available to the Board through this Consortium Agreement.

The OneGeology Managing Director is a Board member by his/her function for the term, defined by the Consortium Members at the annual meeting. Managing Director cannot be nominated as the chair person of the Board.

Financial and accounting arrangements of the Consortium will be transparent to all Members and be audited annually by qualified individuals selected by the Board.

6 LIABILITY

Each Member providing data via OneGeology services is responsible for ensuring that data are eligible for access on a global scale and they have sought the necessary permissions to allow such use. Where Members wish to provide more than a “view” service, they should provide terms of use with their data.

The financial liability of each Member of the Consortium is limited to their annual membership fee.

Nothing in this section conveys that the parties to this Agreement are joint and severally liable.

The limits of liability do not apply in the event of death or injury or the gross negligence of any of the parties to this Consortium Agreement.

7 INTELLECTUAL PROPERTY RIGHTS

Data distributed as part of OneGeology will remain in the ownership of the originating geological survey or organisation. Each Member will only provide through OneGeology data that it has the full authority to provide. Each Member is aware and accepts that data provided will be made accessible on the Internet.

Any data or information generated by any of the parties to this Agreement shall and will remain in the ownership of that party.

8 TERM AND TERMINATION

This Agreement shall commence on <<date>> and shall continue for the remainder of the year in which it is taken out. At the end of the year, membership will move onto an annual membership, running from 1st January. Each party must notify the other party of intention to terminate, in writing, at least 60 days before the end of the membership year. If a Member joins OneGeology Consortium during the year the membership fee is calculated proportionally to the month in which the Member signs the Agreement.

In the event a breach of a party’s obligations under this Agreement is identified, the Board shall give the defaulting party 30 calendar days notice to remedy the breach. If such breach is substantial and is not remedied within that period or is not capable of remedy, the Board will have the option to terminate the defaulting party’s participation. Any unused fees paid by the defaulting party will not be reimbursed.

Clauses 2, 3, 4, 5, 6, 7, 8, 9, 10, 11 and 12 will survive the termination by a Lead Party or Member of Agreement for any reason and will continue indefinitely.

9 FORCE MAJEURE

The Lead Parties shall have no liability to the other Members under this Agreement if they are prevented from or delayed in performing their obligations under this Agreement, or from carrying on its business, by acts, events, omissions or accidents beyond their reasonable control.

10 ENTIRE AGREEMENT

This Agreement, and any documents annexed and/or referred to in it, constitute the whole agreement between the parties and supersede any previous arrangement, understanding or agreement between them relating to the subject matter they cover.

11 ASSIGNMENT

Members shall not, without the prior written consent of the Board assign, transfer, charge, sub-contract or deal in any other manner with all or any of its rights or obligations under this Agreement.

12 SEVERANCE

Should any provision of this Agreement become invalid, illegal or unenforceable, it shall not affect the validity of the remaining provisions of this Agreement. In such a case, the Members concerned shall be entitled to request that a valid and practicable provision be negotiated which fulfils the purpose of the original provision.

13 NO PARTNERSHIP OR AGENCY

Nothing in this Agreement is intended to or shall operate to create a partnership between the parties, or authorise either party to act as agent for the other, and neither party shall have the authority to act in the name or on behalf of or otherwise to bind the other in any way.

14 THIRD PARTY RIGHTS

This Agreement does not confer any rights on any person or party (other than the parties to this Agreement and, where applicable, their successors and permitted assigns).

15 LANGUAGE

This Agreement is drawn up in English, French* and Spanish* languages. In the event of disputes regarding interpretation, both versions shall be deemed authentic. English language shall govern all other documents, notices, meetings, arbitral proceedings and processes relative thereto.

16 DISPUTE RESOLUTION

In the event of a disagreement about the interpretation or performance of the Agreement, the Members shall endeavour to settle their dispute out-of-court through the Board.

If the Members concerned have not reached a settlement of such dispute, the dispute should be the subject to the jurisdiction of the appropriate national court of the Member who would be defending the legal matter.

This agreement is valid from the date upon which it is signed

Signed

Name

Position

***Available on request**

Annex 1: SCHEDULE ONE MEMBERSHIP FEES

The annual membership fees are set out below. These are the minimum fee levels and organisations may choose to provide financial support for OneGeology which exceeds this. Subsequent annual membership fees will be subject to the rates agreed by the Board and prevailing at the time of renewal.

ORGANISATION TYPE	SIZE*	MINIMUM ANNUAL FEE (€)
GEOLOGICAL SURVEY ORGANISATION	LARGE	5000
GEOLOGICAL SURVEY ORGANISATION	SMALL	2500
ACADEMIC OR TEACHING ORGANISATION	LARGE	5000
ACADEMIC OR TEACHING ORGANISATION	SMALL	2500
GOVERNMENT BODY OR AGENCY	-----	5000
INTERNATIONAL BODY OR AGENCY	-----	5000
COMMERCIAL COMPANY	-----	**
NOT-FOR-PROFIT COMPANY	-----	2500

* *Large = >100 full time employees*

** *Subject to individual negotiation*

MEMBERSHIP CATEGORIES	CRITERIA	FEE (€)
Member	Signer of accords	0
Principal Member	Members with voting rights	see above
Associate Member	Supports objectives	see above
Corporate Member	Supports objectives	tbd

If you need OneGeology to raise an invoice provide the following information:-

Organisation Billing Address:

VAT (tax) number if you have one:

Payee name that the invoice is to be addressed to:

Fee Amount:

Any other references that you wish to be quoted (e.g. purchase order numbers):

Payments should be made payable to:-

British Geological Survey

Bank Details : XXXXXXXXX

Quoting Reference :

Annex 2: SECRETARIAT AND TECHNICAL COORDINATION ROLES

The Lead Parties will serve as Secretariat (NERC/BGS) and Technical Coordinator (BRGM)

The Secretariat will:

- Provide the day-to-day coordination of OneGeology, including operational and financial matters and liaison with Members
- Support the OneGeology Board chair person and Managing Director
- Strive to recruit new members and extend and enhance data services
- Monitor progress and issues and assist Managing Director to provide regular oral and written reports to the Board and Members
- Assist Managing Director to liaise with the technical coordination team to ensure service continuity and development
- Support Managing Director to coordinate and chair an operational management group drawn from Members
- Assist Managing Director (with the help of Board) to develop appropriate business plans
- Assist Managing Director to maintain and develop effective communication within the OneGeology Consortium and with its users and
- Maintain and develop effective communication with media (including the website www.onegeology.org, newsletters, presentations, articles and exhibitions)

The Technical Coordination Team will:

- Maintain and develop the OneGeology web map portal to ensure continuity and effectiveness of service
- Monitor and coordinate services from OneGeology data providers to ensure optimum service levels
- Coordinate and chair a technical working group (as one of the Operational Groups) drawn from Members
- Liaise with relevant external bodies to ensure use of applicable standards (including IUGS-CGI, OGC)
- Provide technical guidance and support to the Board, the Managing Director, Members and the Secretariat
- Monitor progress and issues and provide regular oral and written reports to the Board, the Managing Director, and Members
- Communicate technical developments within the OneGeology consortium and with users and the media

Annex 3: **DEFINITION OF SEVEN ONEGEOLOGY CONTINENTAL REGIONS**

Africa

Algeria DZA
Angola AGO
Benin BEN
Botswana BWA
Burkina Faso BFA
Burundi BDI
Cameroon CMR
Cape Verde CPV
Central African Republic CAF
Chad TCD
Comoros COM
Congo COG
Cote d'Ivoire CIV
Democratic Republic of the Congo
Djibouti DJI
Egypt
Equatorial Guinea GNQ
Eritrea ERI
Ethiopia ETH
Gabon GAB
Gambia GMB
Ghana GHA
Guinea GIN
Guinea-Bissau GNB
Kenya KEN
Lesotho LSO
Liberia LBR
Libyan Arab Jamahiriya LBY
Madagascar MDG
Malawi MWI
Mali MLI
Mauritania MRT
Mauritius MUS
Morocco MAR
Mozambique MOZ
Namibia NAM
Niger NER
Nigeria NGA
Rwanda RWA
St Helena SHN
Sao tome and Principe STP
Senegal SEN

Seychelles SYC
Sierra Leone SLE
Somalia SOM
South Africa ZAF
Sudan SDN
Swaziland SWZ
Tanzania, United Republic of TZA
Togo TGO
Tunisia TUN
Uganda UGA
Western Sahara ESH
Zambia ZMB
Zimbabwe ZWE

Asia

Afghanistan AFG
Bahrain BHR
Bangladesh BGD
Bhutan BTN
Brunei Darussalam BRN
Cambodia KHM
China CHN
Hong Kong HKG
India
Indonesia IDN
Iran (Islamic Republic of) IRN
Iraq IRQ
Israel ISR
Japan JPN
Jordan JOR
Korea, Democratic People's Republic of (North Korea)
Korea, Republic of (South Korea)
Kuwait KWT
Laos People's Democratic Republic LAO
Lebanon LBN
Macau MAC
Malaysia MYS
Maldives MDV
Mongolia MNG

Kuwait KWT
Laos People's Democratic Republic LAO
Lebanon LBN
Macao MAC
Malaysia MYS
Maldives MDV
Mongolia MNG
Myanmar MMR
Nepal NPL
Oman OMN
Pakistan PAK
Philippines PHL
Saudi Arabia SAU
Singapore SGP
Sri Lanka LKA
Syrian Arab Republic SYR
Taiwan, province of China TWN
Thailand THA
Timor-Leste TMP
United Arab Emirates ARE
Vietnam VNM
Yemen YEM
Qatar QAT

Eurasia

Armenia ARM
Azerbaijan AZE
Belarus BLR
Kazakhstan KAZ
Kyrgyzstan KGZ
Moldova, Republic of MDA
Russian Federation RUS
Tajikistan TJK
Turkmenistan TKM
Uzbekistan UZB

Europe

Albania ALB
Andorra
Austria
Belgium BEL
Bosnia and Herzegovina BIH

Bulgaria BGR
Croatia HRV
Cyprus CYP
Czech Republic CZE
Denmark DNK + Greenland
Estonia EST
Faroe Islands FRO
Finland FIN
France FRA
Germany DEU
Georgia GEO
Greece
Hungary HUN
Iceland ISL
Ireland IRL
Italy ITA
Kosovo
Latvia LVA
Liechtenstein LIE
Lithuania LTU
Luxembourg LUX
Macedonia, the former Yugoslav Republic of MKD
Malta MLT
Monaco MCO
Montenegro
Netherlands NLD
Norway NOR
Poland POL
Portugal PRT
Romania ROM
San Marino SMR
Serbia
Slovakia (Slovak Republic) SVK
Slovenia SVN
Spain ESP
Sweden SWE
Switzerland CHE
Turkey TUR
Ukraine UKR
United Kingdom GBR

North America

Bahamas BHS

Bermuda BMU
Canada CAN
Mexico MEX
United States USA

South America

Anguilla AIA
Antigua and Barbuda ATG
Argentina ARG
Aruba ABW
Barbados BRB
Belize BLZ
Bolivia BOL
Brazil BRA
Cayman Islands CYM
Chile CHL
Colombia COL
Costa Rica CRI
Cuba CUB
Dominica DMA
Dominican Republic DOM
Ecuador ECU
El salvador SLV
Grenada GRD
Guatemala GTM
Guyana GUY
Haiti HTI
Honduras HND
Jamaica JAM
Martinique MTQ
Montserrat MSR
Nicaragua
Panama PAN
Paraguay PRY
Peru PER
Saint Kitts and Nevis KNA
Saint Lucia LCA
Saint Vincent and the Grenadines VCT
Suriname SUR
Trinidad and Tobago TTO
Turks and Caicos Islands TCA
Uruguay URY
Venezuela VEN

Oceania

American Samoa ASM
Australia AUS
Cook Islands COK
Fiji FJI
Guam GUM
Kiribati KIR
Marshall Islands MHL
Micronesia, Federated States of FSM
Nauru NRU
New Zealand NZL
Niue NIU
Northern Mariana Islands MNP
Palau PLW
Papua New Guinea PNG
Samoa WSM
Solomon islands SLB
Tokelau TKL
Tonga TON
Tuvalu TUV
Vanuatu VUT
Antarctica ATA

Item 5	<p>Defining clear roles within the Governance structure</p> <ul style="list-style-type: none"> - who's who and roles responsibilities of all sections - Operational groups - creation of sub-groups (e.g. technical, science, sponsorship) and roles/tasks to be proposed. - advisory committee –members need to be invited, role and remit identified 	MD, All	<p>Clearly define all roles within the governance structure</p> <p>How should the Operational Group work?</p> <p>How should the Advisory Group work?</p>
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Previously there have been 2 groups, OMG and TWG, do we need two groups still?

For instance, the current TWG TOR is probably too much centred on the data standards (GeoSciML) which are a very important point, but we now need to extend the architecture and functions of the system. The options for decision by the Board on those topics should be prepared by the OMG and TWG (or its new equivalent), but do we need two groups. FR will aim to propose some options for discussion in Tucson.

Chair of the Board – representing OneGeology in public; Chairing the OneGeology Consortium; regular communication with MD (MD reports on regular basis and discusses urgent matters with the Chair); Supporting MD with their regional network; Proposing actions; discussing and deciding on OneGeology matters

Board Members – representing OneGeology in public; Supporting MD with their regional network; Proposing actions; discussing and deciding on OneGeology matters; Each Board Member must accept responsibility to actively promote and participate in OneGeology and its governance and fully and fairly represent the continental region from which they are drawn. The time and expenses of Board Members are funded by their parent organisations.

Managing Director – roles clearly defined in the contract + MD reports on regular basis to the Board and discusses urgent matters with the Chair

Finance & Secretariat – being responsible for financing issues, billing, etc.; supporting MD with administrative matters; daily communication with OneGeology members and interested parties

Operations – being responsible for operational issues; performing the agreed development actions; being responsible for the OneGeology Portal maintenance and development (when agreed upon)

Operational Groups -

Roles of Members are related to their definition in the Consortium Agreement, which needs to be defined first.

All Members will help drive the direction of geoscience cyber-infrastructure to clearly define the problems, establish the solution criteria, and set priorities. Membership helps Members adopt and comply with emerging technical designs and standards. Membership provides opportunities to interact and work directly with the leading organisations and individuals in the digital geoscience data world. Membership in OneGeology conveys many benefits: membership and active participation means a Member organisation has access to the world's leading digital data management technology and resources.

Principal (Consortium) Members – vote on governance and financial issues

Members – have all rights and responsibilities pertinent to Consortium Members, but may not vote for members of the Board.

Associate Members - eligible to receive all OneGeology correspondence and participate in OneGeology activities within the limits of the OneGeology charter and terms of reference for operation

Corporate Members - eligible to receive all OneGeology correspondence and participate in OneGeology activities within the limits of the OneGeology charter and terms of reference for operation. Corporate Members are eligible to send up to four representatives to attend an exclusive annual technical and strategic review of emerging technologies and deployments in the OneGeology consortium.

External funding sources – funding sources for realisation of OneGeology aims.

Advisory Committees – are all interested international and non-governmental bodies that have an interest to actively participate in the OneGeology matters. They advise OneGeology Board in matters related to their expertise/area of interest.

Item 6	Scientific & technical goals	Chair	Discuss priorities and agree guidance and steer for the operational groups
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Attached are the previously identified potential goals for reference, do any still apply taking into account OneGeology's relaunch and new direction?

(Extract for information) Previous Future scientific & technical goals for OneGeology.

At the last meeting in Tokyo (September 2011) Steering Group members were asked to discuss and prioritise a list of potential future objectives for Onegeology. These were ranked in priority order of the top 5 selections as follows:

Rank	Potential Objective	Case	Impact	Comments received
1	Increasing data resolution (possibly up to 1:50K)	More useful to clients	Incremental – not a paradigm shift	Higher resolution data would dramatically increase the potential use of OneGeology and make OneGeology feasible as a potential replacement for GSOs own data publication systems. Improvement in usage of geological data – higher resolution data will show OneGeology is also very user oriented by providing data for solving real issues. Incremental, but important development will keep OneGeology relevant.
2	Harmonising terms and concepts (semantic interoperability)	Adds value to national datasets not originally there	National data becomes internationally relevant	Harmonization of concepts offer the greatest opportunity to increase the utility of geological data to non-experts. A simple lithology legend could then easily be achieved post-harmonization. OneGeology-Europe shows the example case of increasing usability of semantic "harmonisation". Feasible in one year at least as a test – needed to add several World languages. Semantic harmonization (CGI standard vocabulary) is important.
3	Single simple licence agreement allowing any use of 1:1million for free	Increase usage of data. Clarity for user and reassurance for provider	Elimination of barrier/ambiguity of use	This will ensure that people use OneGeology, the single most important criteria for its future.
4	Consistent single global geology data	Adds value to national datasets not	National data becomes internationally	A single global geology data feed would make OneGeology the definitive source for online geological data. The problem would be how to

	feed	originally there	relevant	decide which coverage to use in areas where multiple coverages exist)
5	Improve metadata content and quality (including persistent identifier)	Inability to cite and trace content	Makes data and services more sustainable	As geological data are constantly used in various publications, while the citing is very confused (if at all), a DOI-approach will help overcome this problem and will at the same time force Geological Surveys to maintain their data-bases and repositories sustainable and available.

This selection was created from the full list below.

All OMG delegates voted for the following:

Priority #	# of votes	Potential Objective	Case	Impact
1	14	Simple (15?) lithology legend for all	Incomprehensibility of geology data to user community currently	Improves accessibility
2	11	Harmonising terms and concepts (semantic interoperability)	Adds value to national datasets not originally there	National data becomes internationally relevant
3	9	Single simple licence agreement allowing any use of 1:1million for free	Increase usage of data. Clarity for user and reassurance for provider	Elimination of barrier/ambiguity of use
3	9	Mobile/iPhone geospatial application	1G needs to be accessible to mobile users (and youth)	Very high communications and PR value
5	7	Improve metadata content and quality (including persistent identifier)	Inability to cite and trace content	Makes data and services more sustainable
5	7	Improved topographic base layer	Greatly improves usability (and addresses a constant complaint)	Geological data seen in context
5	7	Use portal to show location (and link) of all IGC abstracts	Provide a geographic context for abstracts	Increase profile of OneG and IGC
8	6	Facilitate bilateral integration with other science domains (e.g. groundwater data or beyond geoscience)	Societal problems are multidisciplinary and 1G cannot address alone	Broader more relevant application of geological data
9	4	Use geological units as a proxy for a useful attribute (e.g. alluvium for flood risk)	Facilitate application of geology to societal issues	Geology seen to be more relevant
10	3	Cloud options for the infrastructure	Individual participants share the burden of the infrastructure load	Distributed cost
11	2	Extend and intensify technical and knowledge exchange and outreach activity in less well developed	Global need – and can make a big difference	Synergistic – helps the less well developed countries

		countries		and 1G
12	1	Involve the private and academic sectors and implement a crowd sourcing portal	There have been many requests over 4 years from these communities	Makes more data available
13	0	Increasing data resolution (possibly up to 1:50K)	More useful to clients	Incremental – not a paradigm shift
13	0	Consistent single global geology data feed	ditto	ditto
13	0	Identify needs and forge productive alliances with relevant initiatives	Sharing best practice (e.g. success of 1G as an international consortium and process)	Raises visibility and builds partnerships

Item 7	Terms of Reference (TORS) <ul style="list-style-type: none"> - Board members TOR - Managing Director TOR and tasks (briefing so everyone is aware) - BGS/BRGM roles - Consortium members TOR - Associate Members - Operational groups TORs (e.g. TWG, OMG as agreed in item above) 	Chair	Define and draft all ToR
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The new Board TOR and previous OMG and TWG ToRs are attached for reference (Prepared drafts for Arizona discussion that will be put to the voting at AGM)

OneGeology Board Draft Terms of Reference

1. The OneGeology Board is drawn from OneGeology Consortium Members and is appointed by the Directors (Representatives?) of OneGeology Consortium Members.

2. The Board will appoint a Chair from within its members who will act as a single point of contact for the Group. The Chair serves for a term of four(three?) years and her/his position can be renewed.

3. The OneGeology Board (as the successor of the Steering Group, which role is specified in the Brighton Accord), is a key element in the international governance of the OneGeology Consortium.

4. The responsibilities of the OneGeology Board are to represent, consult and report to OneGeology Consortium Members and to strategically direct the OneGeology. The OneGeology Board will execute OneGeology through the OneGeology Operational Management Group. The OneGeology Secretariat and Operations coordinator (BRGM – correct term?) will provide support, guidance and advice on technical, logistical and policy matters.

5. The OneGeology Board will seek both internal (OneGeology Consortium Members) and external (non-consortium organisations) funding and other support for the initiative and will seek to promote the initiative at every opportunity.

6. The OneGeology Operational Management Group and the Secretariat will report at least quarterly to the OneGeology Board.

OneGeology Operational Management Group

Draft Terms of Reference

The OneGeology Operational Management Group is one of the Operational groups set up following the provisions of the OneGeology Meeting, Paris, October 21st and 22nd 2013 and the Brighton Accord.

1. The primary goal of the OneGeology Operational Management Group will be to deliver the OneGeology Objectives laid out in the OneGeology October 2013 Paris Meeting to be the provider of geoscience data globally. Under the guidance of the OneGeology Board the OneGeology Operational Management Group will provide overall coordination of OneGeology.
2. The OneGeology Operational Management Group shall consist of persons nominated by OneGeology Members (Consortium and Associate) and approved by the OneGeology Board. The OneGeology Operational Management Group will be chaired by the Managing Director of OneGeology, assisted by the Secretariat, the Technical Working Group, as well as additional persons recruited to carry out specific action items or responsibilities, or from related international organisations.
3. The responsibilities of the OneGeology Operational Management Group will include: coordination of the initiative in order to achieve its agreed success criteria; coordination of resources obtained to support the initiative; drafting position and policy papers for consideration by the Board (including IPR and funding); helping to arrange technical assistance to participants; recruiting new participants; facilitating Board and Managing Director coordinating relationships with other organisations; and provide guidance to the work of Managing Director and the Secretariat.
4. The OneGeology Operational Management Group will provide direction to the OneGeology Technical Working Group and receive a report from the Group following each of its meetings.
5. The OneGeology Operational Management Group will hold meetings at least annually.
6. The OneGeology Operational Management Group will report at least quarterly to the Board.

Related documents

1. [Brighton Accord/ OneGeology Meeting, Paris, October 21st and 22nd 2013](#)
2. *OneGeology Board Terms of Reference*
3. *OneGeology Technical Working Group Terms of Reference*

OneGeology Technical Working Group

Draft Terms of Reference

The OneGeology Technical Working Group is one of the Operational groups set up following the provisions of the OneGeology Meeting, Paris, October 21st and 22nd 2013 and the 2007 Brighton Accord.

1. The primary goal of the OneGeology Technical Working Group will be to test, develop, agree, document and support the implementation of the technical standards that are required to deliver the OneGeology Objectives laid out in the OneGeology October 2013 Paris Meeting to be the provider of geoscience data globally.
2. The OneGeology Technical Working Group shall consist of persons nominated by OneGeology Members (Consortium and Associate) and is expected to consist of no more than 30 members from around the world. The OneGeology Technical Working Group will be co-chaired by nominated representatives of the organisation that is providing the secretariat and technical support services to data contributors to OneGeology and of the organisation that is hosting the OneGeology Registry and Portal. These Co-chairs will be assisted by the Secretariat and the Operational Management Group, as well as additional persons recruited to carry out specific action items or responsibilities, or form related international organisations.
3. The responsibilities of the OneGeology Technical Working Group will include: monitor and liaise with international organisations responsible for publishing standards that are relevant to the technical implementation of the OneGeology vision as it develops; test, agree and document specific OneGeology profiles of such standards that are developed by the Technical Working Group and contribute to the advice and support given to the non-technical general contributors to OneGeology that are not members of this Working Group.
4. The OneGeology Operational Management Group will provide direction (use cases, validation of specifications) to the OneGeology Technical Working Group and receive a report from the Group following each of its meetings.
5. The OneGeology Technical Working Group will hold meetings at least annually.
6. The OneGeology Technical Working Group will report twice a year to the Managing Director and to the Board.

Programme of Work

OneGeology Managing Director: Marko Komac

First 50 days per year staff time = c. €32,000 – up to a maximum of 64 days per year; Travel and subsistence (including expenses such as telephone calls) €8,000. TOTAL = €40,000 – €49,000 per year (depending on time allocated to project)

ROLE

Tasks	Complete by	Deliverables
Project Managing Director	Ongoing	Manage day-to-day business
Progress OneGeology Consortium development (with the help of Board)	March 2014	Confirm the roles and responsibilities of the new 1G groups, provide TORs
Fundraising – input into the production and publication of a OneGeology prospectus	March 2014	Provide input and final editing of a new 1G prospectus
Provide quarterly statements on tasks performed and annual finances as well as, if required, financial report as demanded by Slovenian legislation (in Slovene and abstract in English) of role, costs, finances	Ongoing	Quarterly financial summaries to be provided to the BGS secretariat to ensure book keeping is up to date and 1G spend is open and transparent
Fundraising – seek new sponsors and collaborations	Ongoing	Engage with 1-2 commercial sponsors and 2-3 other organisations to provide data and/or funding to 1G by August 2016, one commercial sponsor which will support OneGeology financially
Working with other 1G participants, engage with other geological data providers e.g. academic, commercial and enable data service provision via the Portal.	August 2016	Add a further 8 new data service providers
Working with other 1G participants, increase the number of consortium members (including 1-2 commercial sponsors)	August 2016	Increase number of members to 30
Raise the 1G profile at regional/global events through presentations or keynote speeches.	Ongoing	Present 1G where possible and appropriate – if possible at 2-3 conferences/ workshops/ exhibitions per year
Chair Consortium Members meetings (with Secretariat preparing the meeting papers)	Ongoing	x1 meeting per year (consecutive with Board meeting)
Chair OneGeology AGM (with Secretariat preparing the meeting papers)	Ongoing	X1 AGM per year (the meeting can be virtual i.e. via Skype or teleconference or if real in combination / consecutive with / prior to Consortium meeting)
Attend Board meetings (with Secretariat preparing the meeting papers)	Ongoing	Co-Chair with/assist Board Chair x1 Board meeting per year and quarterly teleconferences (consecutive with Consortium Members meeting)
Attend/chair operational group meetings (with Secretariat preparing the meeting papers)	Ongoing	X1 operational group meeting per year (OG meeting; delegate the chairing of other OG)
Communications with (possible also through secretariat:		Contact made (either updates or task/action follow-up):
Media: articles, press releases, interviews	Ad hoc	X2 per year (with a help of Secretariat)
1G board	Ongoing	Every 2 months minimum

1G consortium members and associate members	Ongoing	Every 6 months minimum
1G secretariat	Ongoing	Weekly
Operational groups	Ongoing	Every 6 months minimum
Working with other 1G participants to provide input to website (updates)	Ongoing	Provide content for the bi-monthly updates page on the 1G website
Working with other 1G participants and Secretariat to provide input to newsletters	Ongoing	Quarterly
Provide input to all meeting papers, agendas and final editing of all meeting minutes	Ongoing	X4 meetings papers per year plus teleconferences
Provide enquiry responses where necessary from the Onegeology mail box (with substantial help of Secretariat)	Ongoing	Ad hoc

SECRETARIAT COORDINATION ROLES

The Lead Parties will serve as Secretariat (NERC/BGS) and Technical Coordinator (BRGM)

The Secretariat will: (as specified in the Consortium Agreement)

- Provide the day-to-day coordination of OneGeology, including operational and financial matters and liaison with Members
- Support the OneGeology Board chair person and Managing Director
- Strive to recruit new members and extend and enhance data services
- Monitor progress and issues and assist Managing Director to provide regular oral and written reports to the Board and Members
- Assist Managing Director to liaise with the technical coordination team to ensure service continuity and development
- Support Managing Director to coordinate and chair an operational management group drawn from Members
- Assist Managing Director (with the help of Board) to develop appropriate business plans
- Assist Managing Director to maintain and develop effective communication within the OneGeology Consortium and with its users
- Maintain and develop effective communication with media (including the website www.onegeology.org, newsletters, presentations, articles and exhibitions)

Breakdown

External links/coordination

- GEO, UNESCO, GeoParks, YES Network, CGMW, GIRAF, SEAMIC, AEGOS (or next phase of it), EPOS...etc.

Meetings and groups

- Board
- Operational groups: depending on Board decisions, it was previously Operational Management and Technical Working Groups

- Consortium members - including servicing the new categories of corporate members and associate members
- AGM meeting
- Working groups: depending on what the Board set up – these could be either the OMG and TWG or more task specific e.g. creating a QA process for accepting/registering non-survey datasets
- Advisory committee: roles and remit to be agreed and communicated
- Associate members: roles and remit to be agreed and communicated

Finances

- Applications and bids for funding e.g. IGCP
- Consortium fund account management (James Gamgee)

Auditing

- Regular reporting on progress
- Finance audit

Comms

- Twitter, press, web, Prospectus, .ppt materials, newsletters, exhibition pack, fact sheets
- Outreach aspects

IPR

- Requests for use of data and images e.g. in media or publications; requests to cite information, link to websites, etc.
- Agreements between participants

Other tasks

- Registration of new members
- Registration of new services
- buddy system registration forms upkeep
- accreditation system
- maintain contact database
- update flyers
- maintain helpdesk and general 1G mail box (onegeology@bgs.ac.uk; onegeologyhelp@bgs.ac.uk)
- conferences esp IGC
- success criteria

Data/technical

- Start a programme of re-contacting the '50' currently not serving data 'members' to support them to be active – letters already requested from Algeria and Egypt
- Start a programme of working with members to upgrade some existing services to be fully compliant and for data content to be optimised for clarity on geoscience topics being served and looked for on the portal
- Write and publish a final WFS cookbook on serving full Web Feature Service WFS data using open source Geoserver software (now possible) allowing for 5 start accreditation applications to succeed and use of the new portal WFS interoperable query tool
- Write and publish a cookbook on providing a third form of OGC web service called Web Coverage Service (WCS) allowing the display and exchange of geoscience model/grid/raster data within the OneGeology framework
- Renew www.onegeology.org technical web pages accordingly

- Encourage the rapid expansion of query/re-displayable Web map services (e.g. GeoSciML_Portrayal compliant) and document for 1GE and 1G+ participants how to easily add to their services to make them Portrayal compliant
- Encourage the rapid expansion of OneGeology (and INSPIRE) compliant Web Feature Services using the fully interoperable GeoSciML 3.2 structure
- Continue to work with ESRI (and now other corporates) to help them support all 1GG services
- Continue to work with BRGM portal support to develop the things the portal can do with services and metadata including getting multiple-projections to work fully

DAY 2

Item 8		Finance <ul style="list-style-type: none"> - What to fund from the consortium funding, which tasks, who should be funded, how it will be managed. - Payments/outgoings - MD, BRGM - Auditing & reviews of progress (within the defined tasks of MD) & monthly reports - Sustainability 	Chair, MD	<p>Discuss options and agree a strategy to take forward/develop guidelines.</p> <p>Assign tasks to ensure this is completed imminently</p>
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2013 budget: 52,500 Euros (not everyone has paid, some are still pending)

MD spend: 50k + VAT per year

2014 estimated budget: 140K Euros

BRGM allocation for running the Portal and technical capabilities: 50K Euros requested

BGS allocation: for running the organisational and financial responsibilities: TBC

Current Consortium members		
Country	Organisation	amount invoiced
Australia AUS	Geoscience Australia	5000
Belgium BEL	Geological Survey of Belgium	2500
Denmark DNK + Greenland	Geological Survey of Denmark and Greenland (GEUS)	5000
Finland FIN	Geological Survey of Finland	5000
Ireland IRL	Geological Survey of Ireland	2500
Japan JPN	Geological Survey of Japan (AIST)	5000
Luxembourg LUX	Geological Survey of Luxembourg (SGL)	2500
Netherlands NLD	Geological Survey of the Netherlands (TNO B&O)	5000
New Zealand NZL	GNS Science (New Zealand)	5000

Current Consortium members		
Country	Organisation	amount invoiced
Poland POL	Polish Geological Institute	2500
Russian Federation RUS	A P Karpinsky Russian Geological Research Institute (VSEGEI)	5000
Slovenia SVN	Geological Survey of Slovenia	2500
Spain ESP	Instituto Geológico y Minero de España (IGME)	5000
Sweden SWE	Geological Survey of Sweden (SGU) (Sveriges Geologiska Undersökning)	5000
Switzerland CHE	Swiss Geological Survey (Bundesamt für Landestopografie swisstopo, Landesgeologie)	2500
Supporting organisation	International Union of Geological Sciences (IUGS)	5000
Supporting organisation	American Association of State Geologists (AASG)	5000
		70,000

Remainder budget: how should this be allocated. Please provide guidelines.

Item 9	<p>Marketing plan</p> <ul style="list-style-type: none"> - publication of a 1G brochure for commercial funding - draft plan for PR – publications; presentations (maybe prepare template?) 	Chair, MD	Provide input and suggestion of how this brochure should look. Volunteers for provision of information
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The approach to market and external funding sources will be discussed. Board members will be briefed on recent activities, draft papers and publications, and are requested to discuss and comment them and provide inputs.

- Recently Managing Director has been in contact with the World Bank personnel with the aim to position OneGeology within the activities of the World Bank. On 20th January a meeting will be held at the World Bank premises to discuss possibilities for 1) OneGeology Consortium to be engaged in the World Bank AMGI project in Africa, and 2) OneGeology Portal to become a platform/repository for all the geological and geology-related data gathered, produced or developed through World Bank projects. MD will brief Board on the outcomes of the meeting.
- Information from other Board members on recent market engagement.
- Publication of a 1G brochure for commercial funding (see draft for comment)
- Draft plan for PR – proposals for publication plans, ideas and actions; presentations (draft template for comment)

Possible Content for the commercial brochure - for discussion

- What is OneGeology
- Who are we
- What does it do and what can it do for you
- Achieving great success: your membership, where you funding will go

What size should the brochure be? A4?

What images are most relevant?

Example layouts:



10		Outreach - Education/Training, Outreach/Public Engagement	Chair	Discuss a strategy for outreach and assign tasks to appropriate working groups
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Current outreach activities have focussed on providing information through

- the website (<http://www.onegeology.org/eXtra/home.html>) including 'Culture', 'Geodiversity' 'OneGeologyKids' and a 'Showcase'
- Posters, leaflets/flyers,
- Newsletters
- Twitter

Should we continue, should we change/do anything differently?

Item 11		<p>Collaborations</p> <ul style="list-style-type: none"> - Update on World Bank discussions - Continue and establish new collaborations (e.g., Belmont Forum e-Infrastructure; GEO/GEOSS, Research Data Alliance, CoopEUS, International Renewable Energy Agency, National Data Repositories, INSPIRE, EarthCube (US)). Which are priority? 	Chair	Discuss potential and current collaborations and agree a strategy to take forward
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Board members will be briefed about existing ideas and proposals and are requested to discuss the issues and to propose additional ideas and actions.

DAY3

Item 12		<p>Immediate tasks:</p> <p>Working Groups (depending on agreement in item 4)</p> <ul style="list-style-type: none"> - create working groups to take forward Paris discussions - “Operational Management Group” (or its equivalent) <p>Technical advances</p> <ul style="list-style-type: none"> - Consider the feasibility of moving towards open data/creative commons, cloud technology, Crowd-sourcing. - What other types of information should OneGeology look to provide and from whom? à need to give proposals for Arizona meeting - How do we achieve QC for non geological survey data? - (architecture, standards, interoperability) 	Chair	Discuss and agree the working groups and their specific tasks that will be taken forward.
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The following is an extract from the Paris meeting minutes for information:

1. “Working groups

1.1 Three working groups were then created and given specific issues or subjects to discuss. 1. technical ideas/proposals/feasibility; 2. governance discussions; 3. scientific proposals. The groups were provided with the following ‘started questions’ and rapporteur/facilitators:

Technical ideas/proposals/feasibility

- Consider the feasibility of moving towards open data/creative commons, cloud technology, Crowd-sourcing
- Should 1G provide a single platform or multiple platforms?
- How should the portal be developed, what functions need to be included?
 - Rapporteur: Peter Hayoz
 - Facilitator: Jean-Jacques Serrano

Governance discussions

- How should the transitional process be managed?
- Who should be responsible for sourcing/applying for funding and sponsorship, who should we approach e.g. World Bank, Industry, research, government departments, ???
- How and with whom should OneGeology link with other infrastructures and global organisations e.g. GEO, EPOS, Earthcube, ESRI, Google....
 - Rapporteur: Robert Tomas
 - Facilitator: Marko Komac

Scientific proposals

- *What other types of information should OneGeology look to provide and from whom?*
- *How do we achieve QC for non geological survey data?*
- *Should 1G develop global thematic maps e.g. Hydrogeology, tectonic activity maps, mineral resources, etc,*
- *What other developments should OneGeology look to evolve in the longer-term?*
- *What is a tangible timeline to develop a virtual global geological survey?*
 - *Rapporteur: Michiel van der Meulen*
 - *Facilitator: Alex Malahoff*

5 Ideas and feedback from working groups

5.1.1 Technical ideas/proposals/feasibility

Jean-Jacques Serrano provided feedback from discussions

Rapporteur: Peter Hayoz

Facilitator: Jean Jacques

Current Status

BRGM hosts 1G portal and catalogue using CSW. Providers serve maps using WMS and WFS. 1G uses GeoSciML, GeoSciML Portrayal, CGI Vocabularies (for semantic interoperability - ~ 20), ICS (strat charts etc). there are 1G Cookbooks – “How to Map Your Data”, “How to Setup WMS” and Software – MapServer, GeoServer.

New Proposals

The registration of new providers who are not National Geological Surveys.

A GeoPublications tool – the provision of an open source tool that makes it easy to update and publish maps (i.e. shapefiles if cannot provide web services). It creates a map web service. Effectively create a repository for ‘orphan’ data. Should separate repository from portal. The US (Lee Allison) offered to brand a virtual repository for use by 1G.

Consider the feasibility of moving towards open data/creative commons, cloud technology, Crowd-sourcing

New domains would be necessary to deal with crowd sourcing, gridded data, sensor webs. One possibility would be to open a server for each continent to encourage engagement (they could be cloud based or physically located in each continent).

How could we develop a new data model, integration of new layers, taking into account that evolutionary change will continue.

Possible consequence: reorganize the portal. New clients will need different approaches.

Crowd sourcing: this would need a coordinator, supervisor, structured data. How to handle the IPR? Disclaimer: everything open source. Could also cover scientific maps and data via “open field data”. What is the role of potential big players (e.g. ESRI)?

Improve compatibility and comparability with other datasets with gridded data: areas will be tiled with more precise parameters (e.g. 1km²).

Technical issues: caching – what to do with the data when the source fails? Cloud technology, backups.

Catalogue: will also be an issue that has to respond more and new tasks.

Should 1G provide a single platform or multiple platforms?

Multiplatform: One platform per domain but one portal, needs excellent and well defined connections. Portal optimized for mobile devices.

How should the portal be developed? What functions need to be included?

More functions are needed: internet upload, facilitate upload for persons, connection to local data, low grade gis in order to be able to organize requests and analysis.

Test environment for new developments. Do we have to be technically innovative: facilitate input of new ideas coming from external users."

Item 13		<p>Prepare proposals and ideas (and assign tasks) how to engage more:</p> <ul style="list-style-type: none"> - consortium members - members serving WFS 	Chair	<p>Drawing on items already discussed in the agenda over the last 2 days, discuss and propose specific tasks (technical?) and engagement for members, including encouraging further development and contribution</p>
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Board members are requested to prepare proposals, ideas and tasks to engage more Consortium members and more members serving WFS. Board members are requested to discuss the issues and to propose additional ideas and actions.

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