

## Minutes

### 8th OneGeology (Global) Technical Working Group Meeting 15<sup>th</sup> August 2012 GNS Science, Wellington, New Zealand

**Attendees:** Tim Duffy (BGS, chair), Mark Rattenbury (GNS), Ollie Raymond (GA), Daniel Cassard (BRGM), Eric Boisvert (GSC), Bruce Simons (CSIRO), Stephen Richard (AZGS/US-GIN), Juono Vuollo (GTK), John Laxton (BGS), Alex Kmoch (observer, GNS), Soren Haubrock (observer, GNS), Peter Wilson (observer, CSIRO), Pierre Roudier (observer, CSIRO), David Medyckyj-Scott (observer, Landcare), Alastair Ritchie (observer, Landcare but also for GSV services), Allan Hewitt (observer, Landcare)

#### 1) Apologies:

(Carlo Cipolloni (ISPRA-Italy), Jean-Jacques Serrano, Agnes Tellez-Arenas (BRGM 1G portal), Lars Kristian-Stolen (SGU) and Mesfin Gebremichael (SEAMIC, Tanzania).

#### 2) Approval of Minutes of 7th meeting on 8<sup>th</sup> July 2011 at BGS Edinburgh

[http://www.onegeology.org/docs/technical/seventhMeeting/TWG\\_Edinburgh\\_Minutes.pdf](http://www.onegeology.org/docs/technical/seventhMeeting/TWG_Edinburgh_Minutes.pdf)

Acceptance without amendment proposed MR, seconded OR

#### 3) Matters arising from last meeting not already on agenda:

**i). Action Tim Duffy:** Clarify whether ESRI offer is just for national organisations (i.e. “one per country”) or also covers regional 1G participants e.g. provincial or state geological surveys.  
**RESULT:** More state GS have been joining. ESRI have been asked, having been given a list of contributing organisation. No response as yet, response imminent from IJ (**AP1**).

**ii). ACTION POINT 4:** email and offer of support from onegeologyhelp@bgs.ac.uk on 09/09/2010 has been sent to the 9 15 buddies hosting approx. 17 WMS’ for other Geological Surveys around the world – onegeologyhelp to help them and monitor progress.

**Action James Passmore:** James Passmore to contact organisations again.

**RESULT:** some have updated their service names to the newer (makes it clearer who the owner/buddy is) standard some still to do so. Forced to set up multiple services so would prefer GetCapabilities as an alternative way (BS) – no implementable solution obvious yet (TD).

**iii). Action: 1G secretariat** to contact Chad for a possible service via BGR contact: Thomas Himmelsbach. **RESULT:** no response/feedback from CHAD yet.

**iv). Action:** Luca Demicheli of EGS hopes to supply an Israel contact details to the 1G secretariat.

**RESULT:** Dr. Uri Kafri

> Geological Survey of Israel

> 30 Malche Yisrael St.,

> Jerusalem 95501, Israel

However no response has been recently received from them **ACTION:** 1GG secretariat to email this contact again (**AP2**).

**v). Action BRGM:** to release updated eXows to 1GE participants who wish their services to be accredited in the 1GG portal, once GeoSciML v3.0 is published in September.

**RESULT:** Work has started in BRGM to test configuring eXows for GeoSciML 3.0 services (but using WFS 1.1.1 for now not WFS 2.0) **(AP3)**.

#### **4) Progress with the 5 star Accreditation scheme – technical issues**

Proved difficult to implement in a technical sense. “Best” service per organisation. 5-star first serious step towards harmonisation. Only 20+ have applied for a star rating. 3-star requires age harmonisation and can be achieved through GeoSciML Portrayal with accompanying cookbook.

**Action** SR will provide draft text for GeoSciML Portrayal cookbook. **(AP4)**

BRGM will consider adding GeoSciML Portrayal sld querying in the autumn (~October). **(AP5)**

GeoSciML Portrayal community would very much like to see this.

GNS and GA are keen to take this GeoSciML Portrayal further in terms of improved standards (GSV already is delivering).

AR on GSV: 1. Complicated but cookbook worked 2. Some things violated internal policies e.g. insertion of organisation name in left hand side of URI (goes out of date). TD: on need persistent URIs vs service provider names – in most cases names are relatively stable. AR: patch of rewrites can be done (if capabilities remain). GSV followed data.gov.uk protocol – geology.vic.gov.au. Persistence of service level name is the issue. AR: accreditation could be withheld if incorrect name supplied. Cookbook says organisation name should be in right hand side of URI (the service title name) , not persistent domain name. TD: To consider rewording cookbook if it is not clear enough the left hand side of the URI targets the standard organisation URI root domain name but understands that this may not be the most persistent and allows whatever is practicable for all forms of acceptance as a service and whatever star rating is requested. TD to suggest cookbook should ask for persistent unique URI. **(AP6)**

OR/AR/TD: Requirement for multiple layers on one service – some OneGeology layers, others not. AR: Still a vast improvement on original process.

#### **5) GeoSciML 3.0 services and WFS2 support**

Waiting for a new version of open source Geoserver, add schematron , new cookbook. New INSPIRE-capable version of Geoserver is due.

Several SWE-related problems: solved result property on observation (specify schema). Open source version of Geoserver 2.2 will be available to 1G participants. Commercial offerings will work too (Snowflake, ESRI).

**6) Review and feedback of the new proposed Portal client functionality** (provisionally found at [http://onegeology-europe.brgm-rec.fr/OnegeologyGlobal\\_test/](http://onegeology-europe.brgm-rec.fr/OnegeologyGlobal_test/)) including WFS query tool.

**RESULT:** Feedback REQUESTED FROM ANY 1G users/service providers (request for changes/improvements/pleasing new functionality etc) on the new proposed portal functionality found in this test client at <http://onegeology.brgm.fr/v3/>. This client uses the full current 1GG services catalogue and is being run on a production server for speed of response).

**ACTION: ALL** Feedback by September 30<sup>th</sup> 2012 to be emailed to Francois Robida of BRGM at [f.robida@brgm.fr](mailto:f.robida@brgm.fr). (AP7)

**ACTION:** Could Tasmania be moved under Australia (administratively, not tectonically) .(AP8)

Russia/CIS service appears everywhere?! Need to restrict bounding box

Proposals from the meeting for new functionality:

1). Portal to allow displaying services in more than one (currently WGS84) projection?

Suggest EPSG: 900913 ("Google" projection, de facto maps near top and bottom of globe 'maps of the web' standard) and polar projections EPSG:3031 (Antarctic Polar Stereographic) and 3995(Arctic Polar Stereographic) for highest latitude data.(AP9).

Need to inform on zoom levels needed to activate detailed layers. Statistics on area becomes operative at detailed scales (how detailed?).

7) **New service contributions from around the world, actual and proposed** (including Mesfin Gebremichael from SEAMIC, Tanzania joining the meeting by skype)

i). **Geological map of the Commonwealth of Independent States and neighbouring countries from** Russian Geological Research Institute (VSEGEI).

ii). **China Geological Survey – new action point for 1:1 million map to go up as WMS: Yang Tiantian of Division of International cooperation.**(AP10)

iii). **Geological Survey of India: Director-General Mr. A. Sundaramoorthy and Director Technical Mr Gurrit Singh Jaggi will name shortly two contacts to take forward serving a 1:2 million (or possibly 1 1 million map) and then a 1:50,0000 new map.**(AP11)

iv). **SEAMIC: Ethiopia and Kenya up now – Uganda to follow shortly then Tanzania and Angola (and Mozambique?) to follow?**

**Could SEAMIC be a buddy for Malawi Geological Survey (stated at IGC34 that they wished to join).**(AP12)

US-GIN 1:3M USA lithology (ESRI) never displays in portal but does in other clients.

**8) Any Other Business** – including one item from SGU to be tabled:

i). SGU Issue:  
Request to adjust the portal to parse capabilities for GetMap and GetFeatureInfo urls

Background:

The OneGeology Portal currently does not parse the capabilities document to construct valid urls for the GetMap and GetFeratureInfo requests, but assumes that the GetMap and GetFeratureInfo urls are based on the capabilities url. This solution obviously works for "normal" implementations, but allows for invalid capabilities documents (regarding GetMap and GetFeatureInfo sections), and will not work in cases where the url to capabilities differ from the GetMap and GetFeatureInfo urls.

One such case is the current Swedish Geoserver implementation where we put up static, manually created capabilities documents to be able to structure and describe our services in a better way than the standard Geoserver solution allows us to. The static capabilities then describes the valid GetMap and GetFeatureInfo urls.

So the reason for our suggestion is partly to allow us to use our production WMS environment

also for OneGeology services, but a more general motive is that it in the long run would improve the quality of OneGeology Services by forcing them to have valid capabilities sections for GetMap and GetFeatureInfo.

Tomas Linberg SGU .

**ACTION:Tomas** - SGU is willing to do an inventory of the existing services during September 2012 to identify potential problems.(**AP13**)

The portal needs to accommodate the possibilities.

Alex Malahoff: BRGM and BGS are urged by the OneGeology Steering Group to continue providing technical services to OneGeology.

### 9) Date and Venue of next meeting

Invited by Russian Geological Research Institute (VSEGEI) to be in St Petersburg at same time as next CGI-IWG meetings if possible.

Agreed in principle.

Meeting closed 5.05 pm

### ACTION POINTS ARISING FROM THIS MEETING:

**AP1 – IJ to find out and inform Onegeology secretariat whether the ESRI grant offer covers regional 1G participants e.g. provincial or state geological surveys as well as national surveys as currently.**

**AP2 - 1GG secretariat to email this Israel Geological survey contact again.**

**AP3 - BRGM to finish test configuring eXows for GeoSciML 3.0 services**

**AP4 - SR will provide draft text for GeoSciML Portrayal cookbook**

**AP5 - BRGM will consider adding GeoSciML Portrayal sld querying in the autumn (~October).**

**AP6 – OneGeologyhelp and OneGeologyPortal to consider wording of requirements for left hand side of service URL**

**AP7 - ALL Feedback on new prototype OneGeology portal client by September 30<sup>th</sup> 2012 to be emailed to Francois Robida of BRGM at [f.robida@brgm.fr](mailto:f.robida@brgm.fr).**

**AP8 - Could Tasmania be moved under Australia (administratively, not tectonically)**

**AP9 - Portal to allow displaying services in more than one (currently WGS84) projection? Suggest EPSG: 900913 (“Google” projection, de facto maps near top and bottom of globe ‘maps of the web’ standard) and polar projections EPSG:3031 (Antarctic Polar Stereographic) and**

**3995(Arctic Polar Stereographic) for highest latitude data. Requested new functionality in new client.**

**AP10 - China Geological Survey – new action point for 1:1 million map to go up as WMS: Yang Tiantian of Division of International cooperation.**

**Ap11 - Geological Survey of India: Director-General Mr. A. Sundaramoorthy and Director Technical Mr Gurrit Singh Jaggi will name shortly two contacts to take forward serving a 1:2 million (or possibly 1 1 million map) and then a 1:50,0000 new map.**

**Ap12 - SEAMIC: Ethiopia and Kenya up now – Uganda to follow shortly then Tanzania and Angola (and Mozambique?) to follow?**

**Could SEAMIC be a buddy for Malawi Geological Survey (stated at IGC34 that they wished to join)?  
Action SEAMIC to get UGANDA service up as soon as possible as data available and SEAMIC staff trained and to consider buddying these future services from them.**

**AP13 - Tomas Lindberg of SGU is willing to do an inventory of the existing services during september 2012 to identify potential problems regarding this issue.**