Making geological map data for the Earth accessible

Agenda item 6

OneGeology Web Services Accreditation Scheme

Ian Jackson, Francois Robida and John Broome

Objectives and background

- *to provide incentives to improve the accessibility and quality of OneGeology geological map data services*

- Principle approved by the Steering Group

- Discussed by OMG sub-committee and Technical Working Group

  →For implementation in July 2011

Process

- GSO submit a request to secretariat

- Assessed by Coordination and Technical team members

- Notification by email :

  - Agreement or possibility to submit another application after corrective action

- Reassessment on an annual basis

Star Rating	Level of service attained	Technical and service parameters to be met
One star	Basic Web Map Service (WMS)	Web Map Service (WMS) supporting "GetCapabilities" and "GetMap" requests to deliver map images.
Two star	Upgraded Web Map Service (WMS)	• One Star requirements met. • Map legend provided. • Minimum metadata available (contact information, abstract, access constraints, cataloguing keywords).
Three star	Enhanced Web Map Service (WMS)	• Two Star requirements met. • "GetFeatureInfo" (at least text/html format) request supported. • Web Map Service (WMS) v. 1.3.0 supported. • Age harmonization conforms to "International Commission on Stratigraphy" standard (http://www.stratigraphy.org). • Additional keywords to make GetCapabilities response ISO19115 core compliant • Clear statement of use relating to data, including licence and charging details (where appropriate). • Access to data must be transparent, simple and fair to all.

Four star	Web Feature Service (WFS)	• Three Star requirements met. • "MetadataURL" for each WMS layer and WFS feature type conforming to the OneGeology metadata profile. • Web Feature Service (WFS) at a minimum v. 1.1.0. • To deliver map features in a GeoSciML format.
Five star	Enhanced Web Feature Service (WFS)	• Four Star requirements met. • To deliver map features in GeoSciML v3 (or later), queryable using standard "Commission for Geoscience Information" (CGI) vocabularies for age and lithological properties, and compliant with profiles validated by Schematron.