

Agenda item 8

Developing OneGeology

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Potential Objective	Case	Impact
Increasing data resolution (possibly up to 1:50K)	More useful to clients	Incremental – not a paradigm shift
Harmonising terms and concepts (semantic interoperability)	Adds value to national datasets not originally there	National data becomes internationally relevant
Consistent single global geology data feed	ditto	ditto
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
Facilitate bilateral integration with other science domains (eg groundwater data or beyond geoscience)	Societal problems are multidisciplinary and 1G cannot address alone	Broader more relevant application of geological data
Use geological units as a proxy for a useful attribute (eg alluvium for flood risk)	Facilitate application of geology to societal issues	Geology seen to be more relevant
Identify needs and forge productive alliances with relevant initiatives	Sharing best practice (eg success of 1G as an international consortium and process)	Raises visibility and builds partnerships

Extend and intensify technical and knowledge exchange and outreach activity in less well developed countries	Global need – and can make a big difference	Synergistic – helps the LWDC and 1G
Simple (15?) lithology legend for all	Incomprehensibility of geology data to user community currently	Improves accessibility
Mobile/iPhone geospatial application	1G needs to be accessible to mobile users (and youth)	Very high communications and PR value
Improved topographic base layer	Greatly improves usability (and addresses a constant complaint)	Geological data seen in context
Cloud options for the infrastructure	Individual participants share the burden of the infrastructure load	Distributed cost
Improve metadata content and quality (including persistent identifier)	Inability to cite and trace content	Makes data and services more sustainable
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
Use portal to show location (and link) of all IGC abstracts	Provide a geographic context for abstracts	Increase profile of OneG and IGC