



Staatliche
Geologische
Dienste
Deutschlands

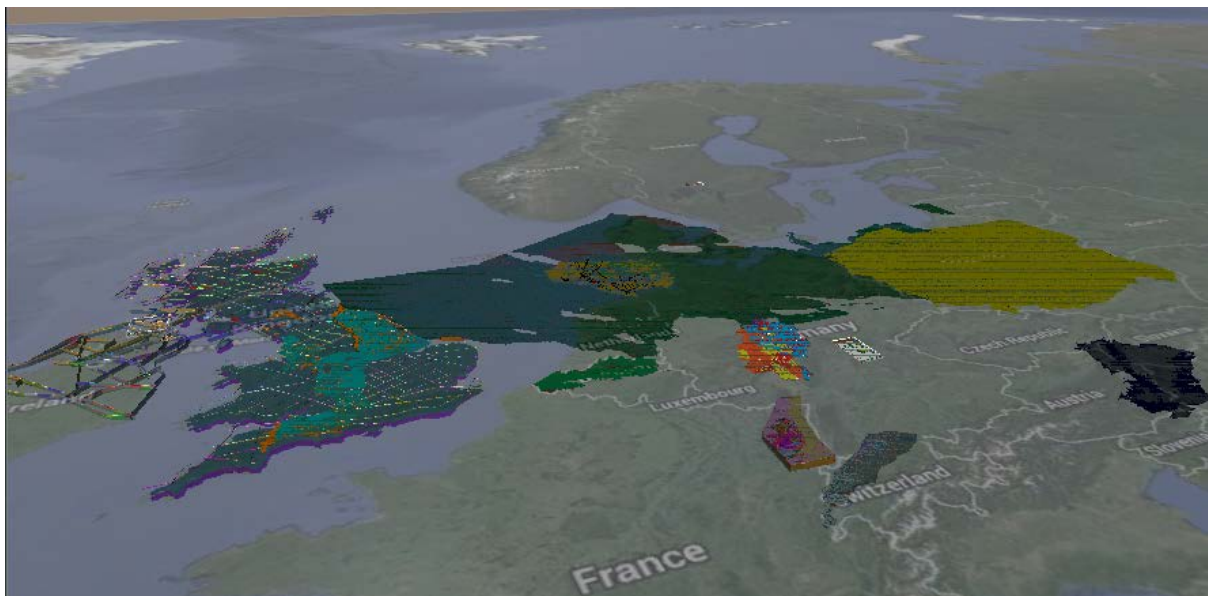


2nd European meeting on 3D geological modelling

BGS Murchison House - West Mains Road - Edinburgh - EH9 3LA

20th and 21st November 2014

To exchange progress, problems and solutions in our common quest to understand and communicate the 3D composition and properties of the subsurface to support science-based decision making



An assemblage of 3D geological models across Europe

Agenda

Thursday

- 8.30 Arrival, refreshments
- 9.00 Opening and welcome, **Holger Kessler** and **Diarmad Campbell** (BGS and COST)
- 9.10 Presentations – 20 minutes each incl. questions
3D-Norge - A new project to build a 3D bedrock map of Norway – **Iain Henderson** (NGU)

3D Modelling of the Flemish subsurface using GOCAD software - **Stijn Bos** (VITO)

Building a geological reference platform using sequence stratigraphy combined with geostatistical tools - **Bernard Bourgine** (BRGM)

Geological 3D modeling at the Geological Survey of Finland - **Eevaliisa Laine, Antti Pasanen** (GTK)
- 10.30 Refreshments
- 10.45 Presentations – 20 minutes each incl. questions

Subsurface geopotential analysis versus geological risks: enhancements from 3D model analysis - **Francesco Emanuele Maesano** (ISPRA)

Progress with 3D geological modelling in the Netherlands - **Michiel v d Meulen** (TNO)

Storing, managing and delivering 3D data - **Jan Gietzel** (Univ Freiberg)

The new oil – Profitable storage and usage of geological data – **Roland Baumberger** (Swisstopo)
- 12.10 Open forum – questions and answers from presenters
- 12.30 Lunch
- 13.30 Break-out groups

Topic 1: Model/data storage and management – **Roland Baumberger**

Topic 2: EGDl (<http://www.egdi-scope.eu/>), IUGS/IGC working group and COST TU1206 - Sub-Urban and TU1208; interaction with the 3D modelling community – **Jeroen Schokker, Gerold Diepolder, Carl Watson, Diarmad Campbell, Susie Mielby, Francois Robida.**

Topic 3: Model uncertainty (geometry) & metadata representation – **Robert Pamer**

Topic 4: Stakeholder feedback on models – **to be confirmed**
- 15.00 Report back and discussion
- 15.45 Refreshments and networking

16.30 Guest speaker – **Don Keefer** (Illinois Geological Survey)

Thirteen years of progress in 3-D geologic mapping: A view from North America

19.30 Drinks and dinner in the Apex International, Grassmarket (participants pay individually and organize their own transport, see information below)

Friday

8.30 Refreshments

9.00 Guest speaker – **Rob Harrap** (Queens University Kingston, Ontario)

Situating Knowledge on the Landscape: Expert and Citizen Science, Games, and Community

9.30 Break-out groups

Topic 1: Attribution and parameterisation of models, (stochastic modelling vs using constant properties) – **Jan Stafleu, Flemming Jørgensen, Tim Kearsey**

Topic 2: Model dissemination & legal implications; How to help the end user understand 3D models - **Rachel Dearden, Gerold Diepolder**

Topic 3: Urban Geology and BIM (Building Information Modelling) **Rob van der Krogt**

Topic 4: Where are we going from here – the future of the 3D community – **Holger Kessler**

11.00 Report back, discussion and actions

12.30 Closing remarks - future meetings – communication of results **Jan Gunnink, Gerold Diepolder, Diarmad Campbell, Holger Kessler**

13.00 Lunch and further informal discussions possible for interested parties during the afternoon

