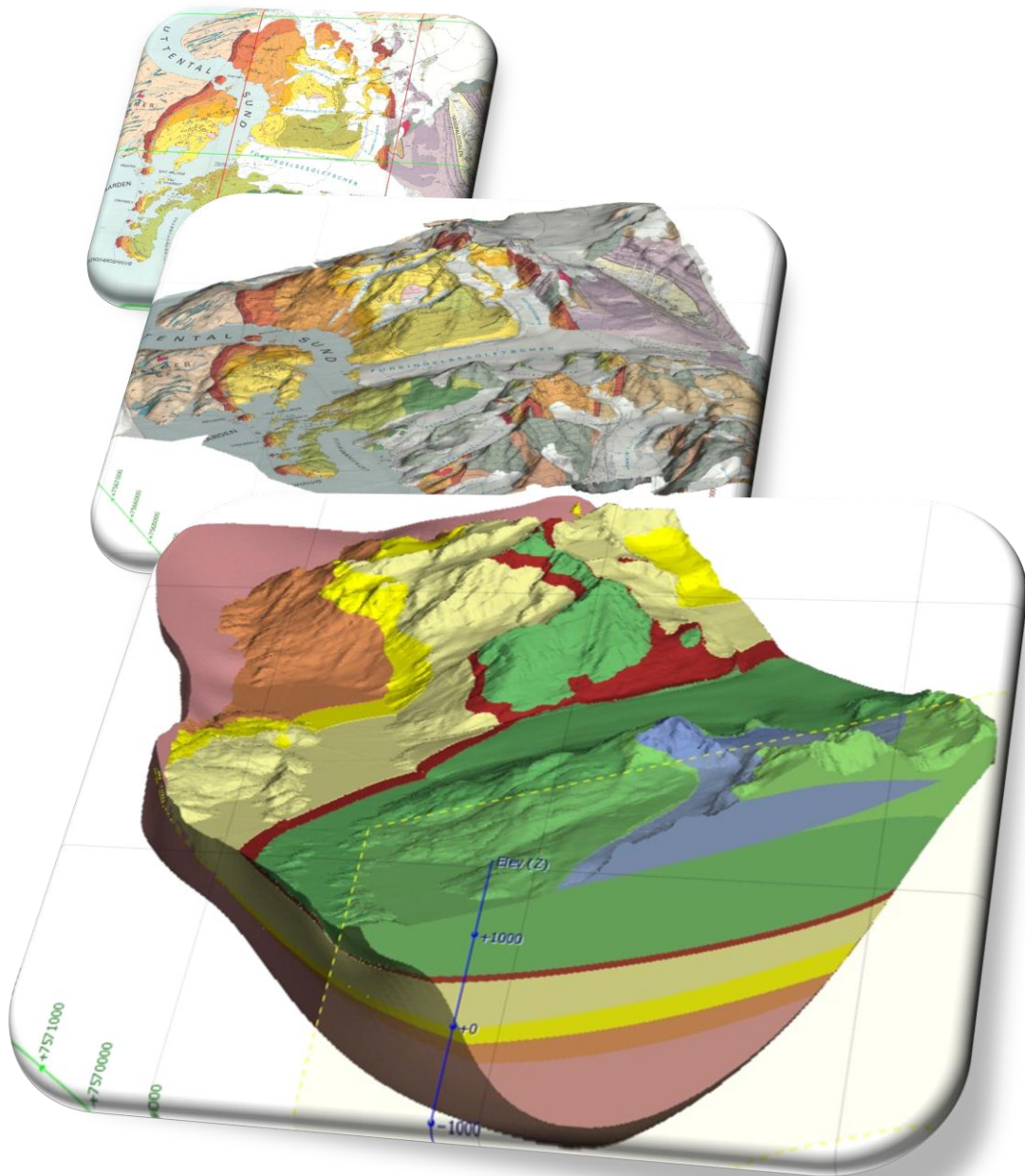




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Wednesday, 7 December 2011**Morning**

09:30 Arrival at GEUS, Øster Voldgade 10, DK-1350 Copenhagen K

10:00 **Opening workshop:** Johnny Fredericia *GEUS*Chairman Richard Thomsen (*GEUS*)10:15 **What do we expect from a Workshop on 3D Geological modeling:** Richard Thomsen, Groundwater Department - *GEUS*10:30 **Subsurface Modelling at the Geological Survey of the Netherlands:** [Michiel van der Meulen](#), Jan Stafleu, Ronald Vernes, Jan Gunnink – TNO / Geological Survey of the Netherlands (**Keynote**)11:00 **A brief overview of 3D activities and needs at NGU:** [Jan Cramer](#) – NGU, Norway

11:20 Coffee break

11:35 **Geological 3D modelling in Finland, especially at GTK:** [Eevaliisa Laine](#), GTK - Geological Survey of Finland11:55 **Geovisionary:** [Andrew O'Keffe](#), *Virtualis UK*

12:15 Lunch, GEUS' kantine

AfternoonChairman Heidi Barlebo (*GEUS*)13:15 **Geovisionary:** [Andrew O'Keffe](#), *Virtualis UK* (exhibition in Tove Birkelund room)13:40 **3D Geological Modelling at the British Geological Survey and the role of the GSI3D software and methodology:** [S.J. Mathers](#)-BGS) (**Keynote**)14:10 **3D geological modeling: from multiscale geological data to applications. The 10 years long experience of Geological Survey of Italy:** [Chiara D'Ambrogi](#) and Francesco E. Maesano – ISPRA Geological Survey of Italy (**Keynote**)

14:30 Coffee break

15:50 **Management of 3D geological complexities at French geological survey:** [Sunsearé Gabalda](#), Gabriel Courrioux, Bernard Bourgine, Antonio Guillen BRGM, France (**Keynote**)16:20 To be announced: [Flemming Jørgensen](#), *Department of Groundwater and Quaternary geological mapping, GEUS*16:40 **Experience from constructing and maintaining a 3D hydrogeological model of Denmark:** [Lars Trolborg](#) and Anker Laier Højberg – Department of Hydrology, GEUS

17:00 Discussion

18:00 Workshop's Dinner in Copenhagen





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Thursday, 8 December 2011**Morning**Chairman Karen Hanghøj (GEUS)09:00 **3D Photogeology tool:** Pierpaolo Guarnieri - *GEUS*09:20 **A 3D Geological Modeling of the Skaergaard intrusion (southern East Greenland)** Pierpaolo Guarnieri P., Kristian Svennevig, Troels T.F. Nielsen, Thorkild M. Rasmussen, Karen Hanghøj - *GEUS*09:40 **ProMine: A 3 & 4 D Modelling European Project to Booster Exploration of Undiscovered Deep Subsurface Mineral Resources** Jean-Jacques Royer, Pablo Mejia - CNRS- ENSG - ASGA, Nancy University, France Agata Zielińska - CUPRUM, Wroclaw, Poland Helmut Schaeben - Technical University Freiberg, Germany, Pär Weihed - WP2 leader, Luleå University of Technology, Sweden. Gabor Gaál - Geological Survey of Finland, Finland (**Keynote**)10:10 **From deposit to regional scale-4-dimensional geological modelling in the Skellefte Mining District, Sweden** Tobias E. Bauer, Pietari Skyttä, Saman Tavakoli, Sweden Pär Weihed - *Division of Geosciences and Environmental Engineering, Luleå University of Technology, Sweden* Mahdiah Dehghannejad - *Department of Earth Sciences, Uppsala University, Sweden*

10:30 Coffee break

10:45 **Is Ore Deposits Location Predictable?** Jean-Jacques Royer and Alain Cheilletz - *CNRS- ENSG - ASGA, Nancy University, France* Olivier Rabeau - *Université du Québec en Abitibi-Témiscamingue, Rouyn-Noranda, Canada* Michel Jébrak - *Université du Québec à Montréal, Canada*11:05 **Detailed 3D geological modeling in a glacial terrain:** Rasmus Rønnde Møller, Flemming Jørgensen and Peter Sandersen - *Department of Groundwater and Quaternary geological mapping, GEUS*

11:25 Discussion

12:30 Lunch (GEUS' kantine)

AfternoonChairman Peter Britze (GEUS)13:30 **3d Visualization in Groundwater Heat Transport Researches (Veneto Region, Italy)** Nicola De Zorzi, Roberto Pedron, Andrea Sottani, Luca Vettorello - *Sinergeo S.r.l., Italy*13:50 **Landslide geo-hazard assessment, a 3D as well as a 4D challenge** Stig A. Schack Pedersen - *Department of Groundwater and Quaternary geological mapping, GEUS*



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- 14:10 **Gplates - Plate-tectonic modelling and visualisation software: future plans for 3D visualization** [Robin Watson](#) - *NGU, Trondheim, Norway*
- 14:30 **Active tectonics and 3D modeling: methodologies for the evaluation of recent activity of buried thrust faults. Examples from the Po Plain (northern Italy).** [F. E. Maesano](#) and [C. D'Ambrogi](#) - *Geological Survey of Italy – ISPRA* [P. Burrato](#) - *INGV (National Institute of Geophysics and Volcanology) Italy* [G. Toscani](#) - *Department of Geological Sciences University of Pavia, Italy*
- 14:50 Coffee break
- 15:00 Discussion
- 16:00 Visit to the 3D Photogeology Lab at GEUS
- 17:00 Dinner

Friday, 9 December 2011

Morning

Chairman [Jørgen Tulstrup](#) (GEUS)

- 09:00 **A network based datastore for geoscience data and its implementation:** [Paul Gabriel](#), [Jan Gietzel](#), [Le Hai Ha](#), [Helmut Schaeben](#) (**Keynote**)
- 09:30 **3D geo-modelling in Petrel for CO2-storage projects:** [Peter Frykman](#) - *Reservoir Department, GEUS*
- 09:50 **Centralized Data Management - The Key to successful 3D visualization, analysis and interpretation:** [Peter Scharling](#), *Grontmij A/S* and [Charlotte Krohn](#), *Grontmij A/S*
- 10:10 **Geological models – what data model to use:** [Niels-Peter Jensen](#) - *I•GIS ApS*
- 10:30 **Digital Field Mapping and 3D Model Building in the 21st Century – the Geologist's Solution** [Roddy Muir](#) - *Midland Valley (www.mve.com)*
- 10:50 Coffee break
- 11:10 Discussion
- 12:00 Closure of the Workshop
- 12:10 Lunch (GEUS' kantine)

