

Presentation of software and services

by I•GIS





LARCOS

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I•GIS A/S

- Founded 2002
- 12 staff
- Software development
 - Geology
 - Model
 - Web systems for data management
- R&D projects
- Global provider (Europe, US, Asia)
- Significant role in Danish Groundwater Mapping

SOFTWARE SOLUTIONS





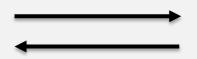
LARCOS

Our clients

- Geological Surveys (GEUS, USGS, SGU, PGI, GA, ISGS)
- Consultants
- Municipalities
- EPA (The Danish Environmental Protection Agency)
- Waterworks and Utilities
- Universitiy and education









+ LARCOS



Geological Modelling

- 3D
- Layer models
- **Voxel Models**
- GIS component
- **Cross sections**
- Data integration
- Model Update
- Model merging
- Geostatistics



Decision Support

- Visualization
- **Statistics**
- Volume computations
- Draw down computation
- **Quality Control**
- Export/reporting
- Pseudo Wells



Data Hosting

- Cloud storage
- Backup systems
 - Data Security
- Support



Data Admin

- Data Upload
- Data Download
- User admin
- Data Grouping
- Meta data



Access/Shar ing

- Web Portal
- Interface **GIS WMS**
- Services
- Directly from GeoScene3D



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- Large Model admin
- Several modelers
- Grid update service
- 3D Model API
- Check in/out and QC



3D Viewer



3D models in web-browser

- Visualization tools
- Profile view
- Synced with
- GIS map
- Large Point Clouds



Desktop software

Web portal & services





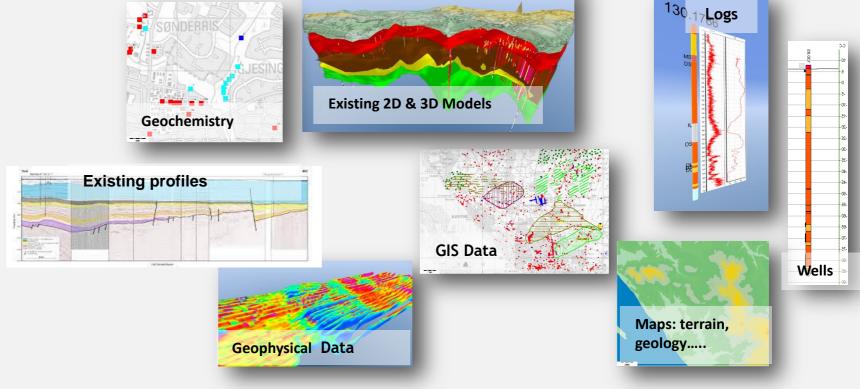
...a 3D geological modelling software made by geologists

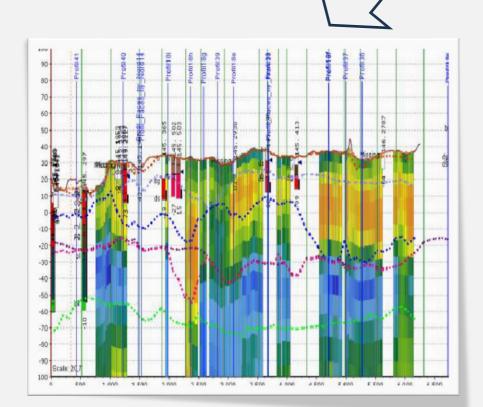
A suite of modelling workflows supported by data and treasuring geological knowledge

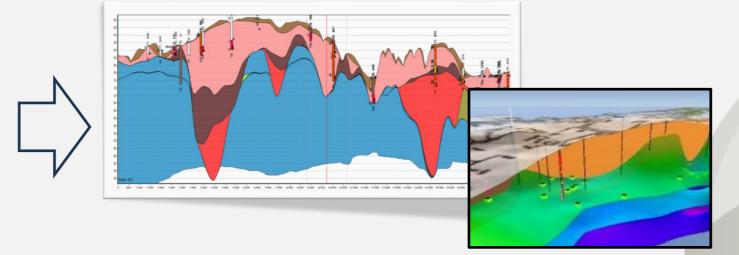


Building a 3D model

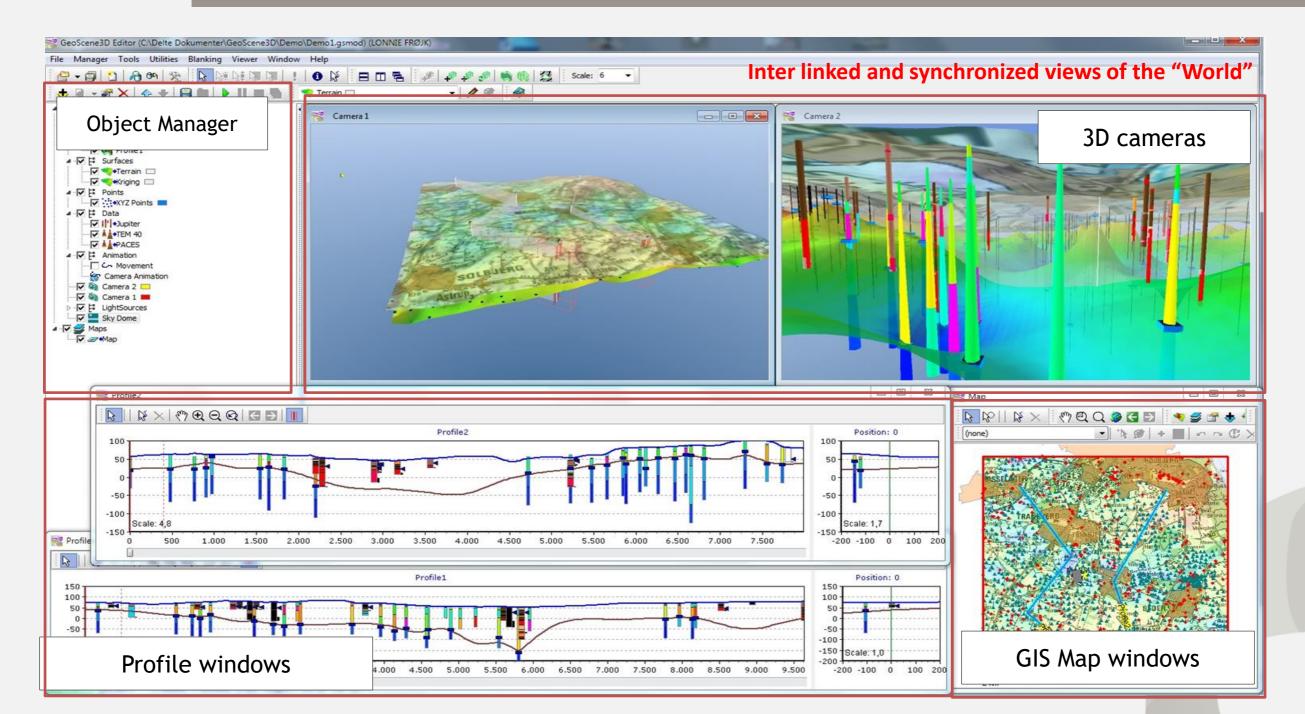
Integration of all types of relevant data







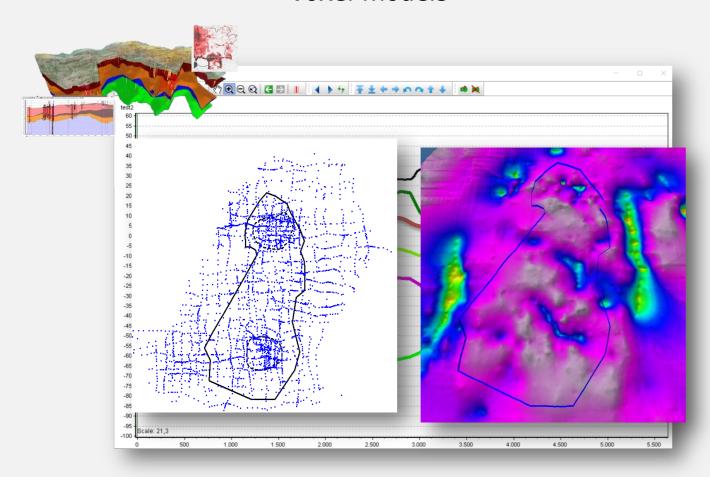
GeoScene3D - Program Components & Concepts

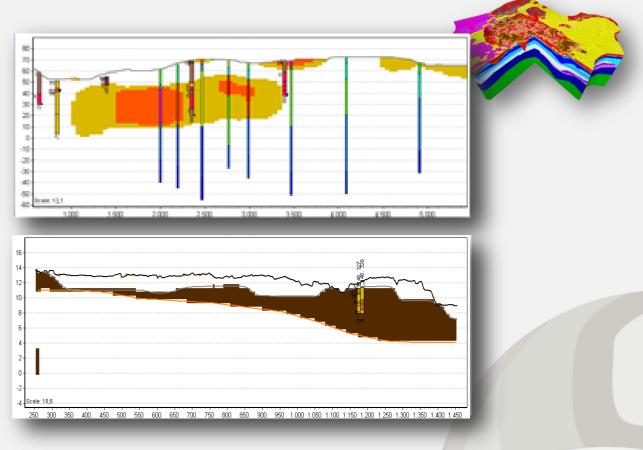




GeoScene3D model types and model techniques

- Layered models
- Voxel models



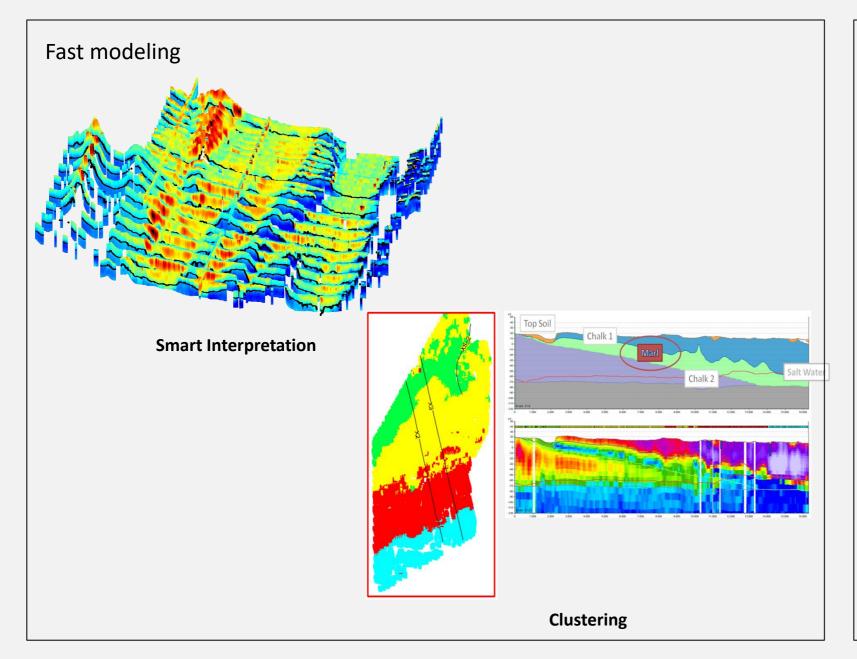


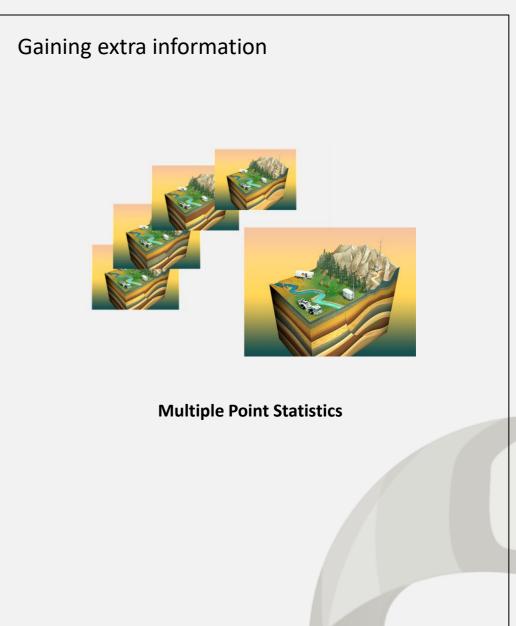
Layered model

Voxel model

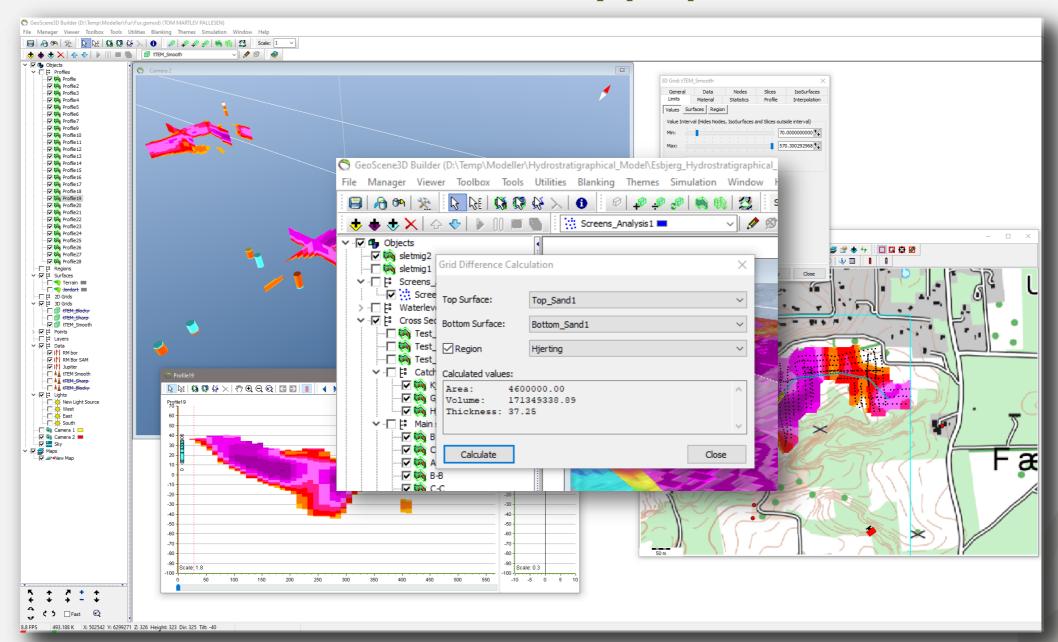


Specialized Features utilizing (A)EM data in GeoScene3D

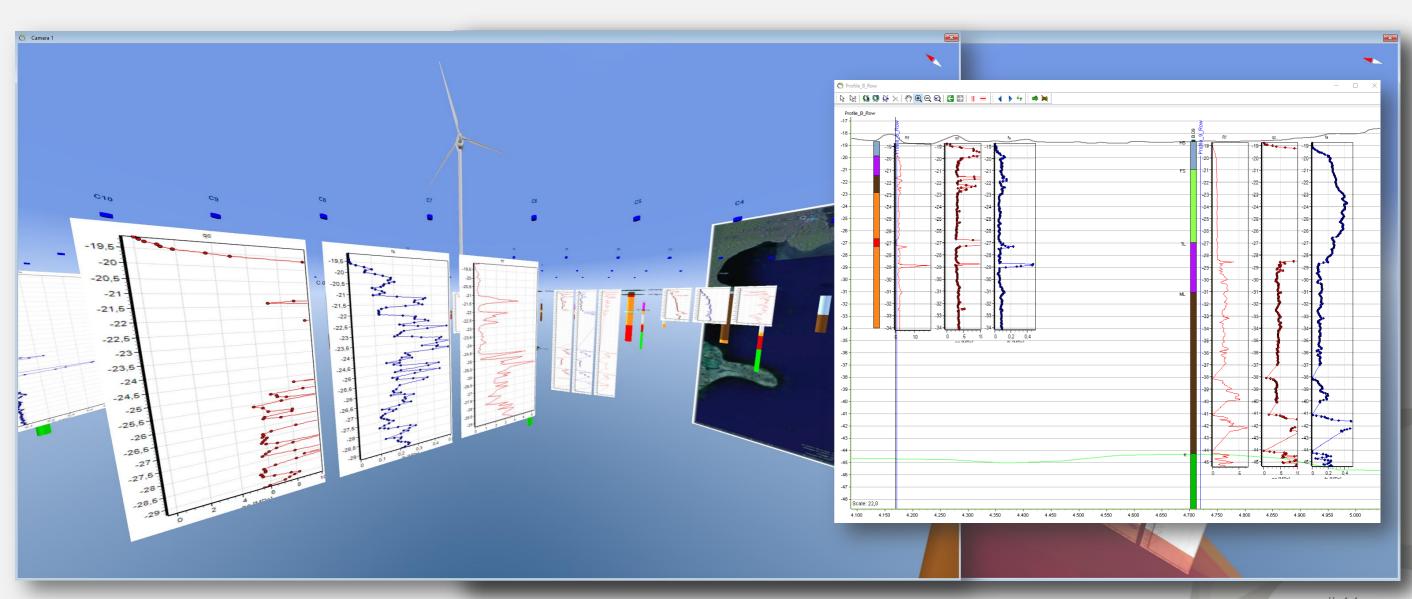




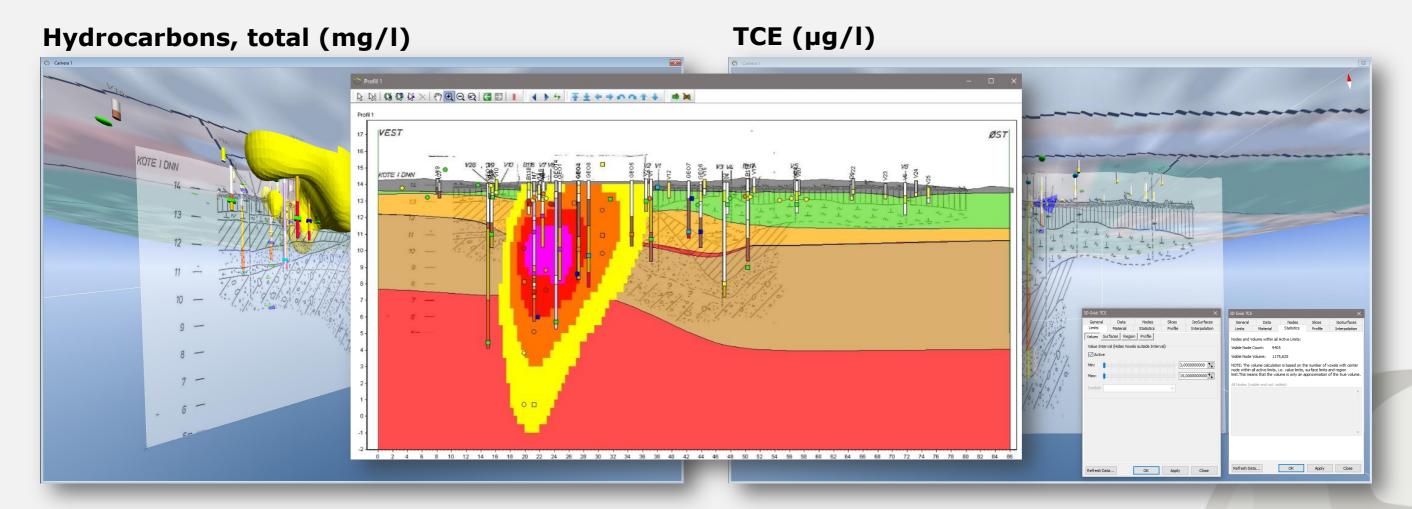




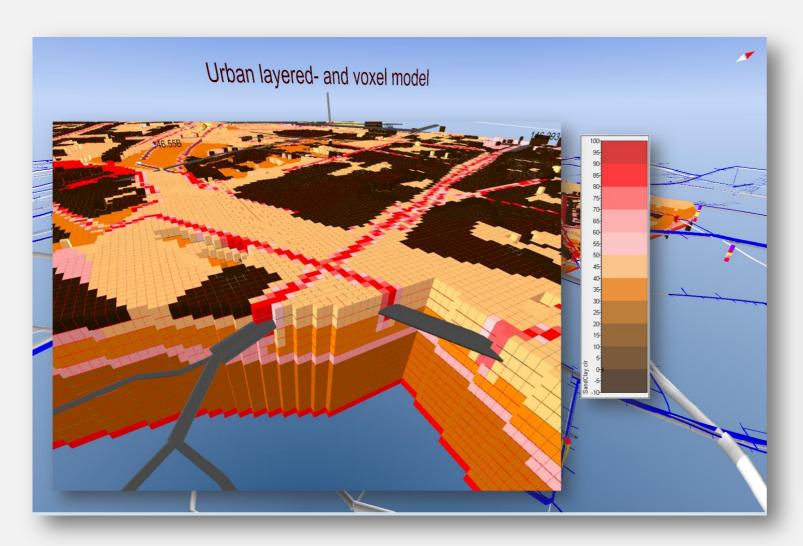


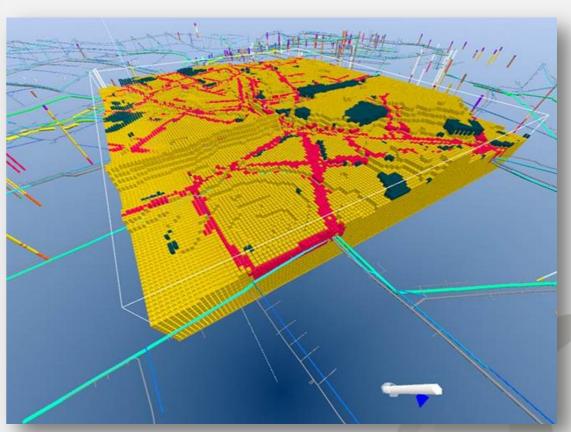




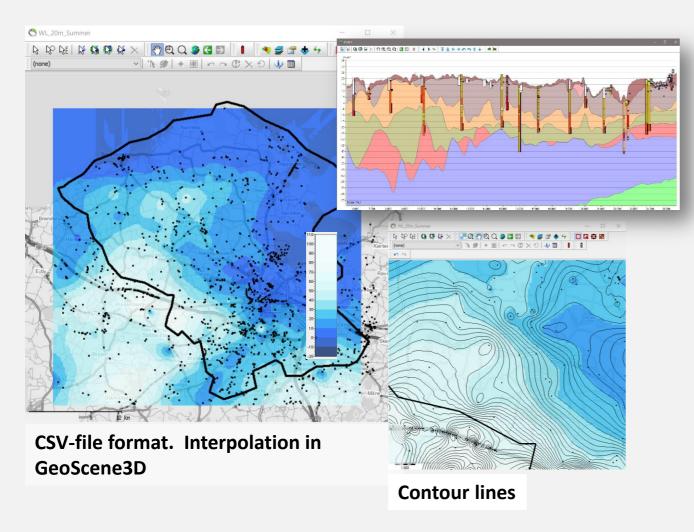


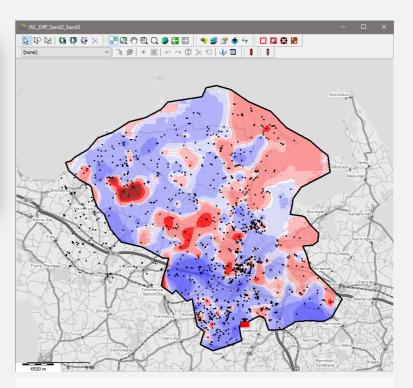










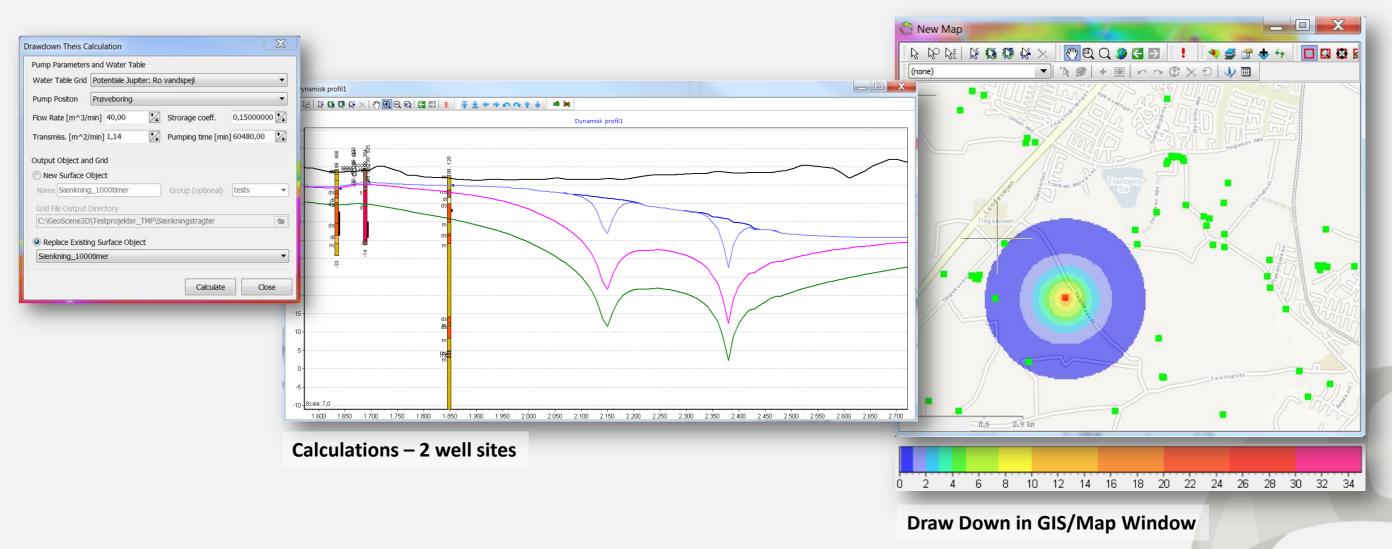


Pressure gradient

Data filtering options

- Time (year, day, sec)
- Time interval/seasonal
- Spatial (layers, regions)
- Max, min, average
- Latest/oldest
- STD value/data variation
- Output in Access DB







Geological surveys

Modeling Very large models / very detailed models

Directly connecting to own databases – changing of underlying data -> change in data i GeoScene3D

Geophysics – Large amounts of EM data – Dedicated tools and optimization to handle and to use in models

No proprietary data formats





...collaborate and secure your data



SOFTWARE SOLUTIONS





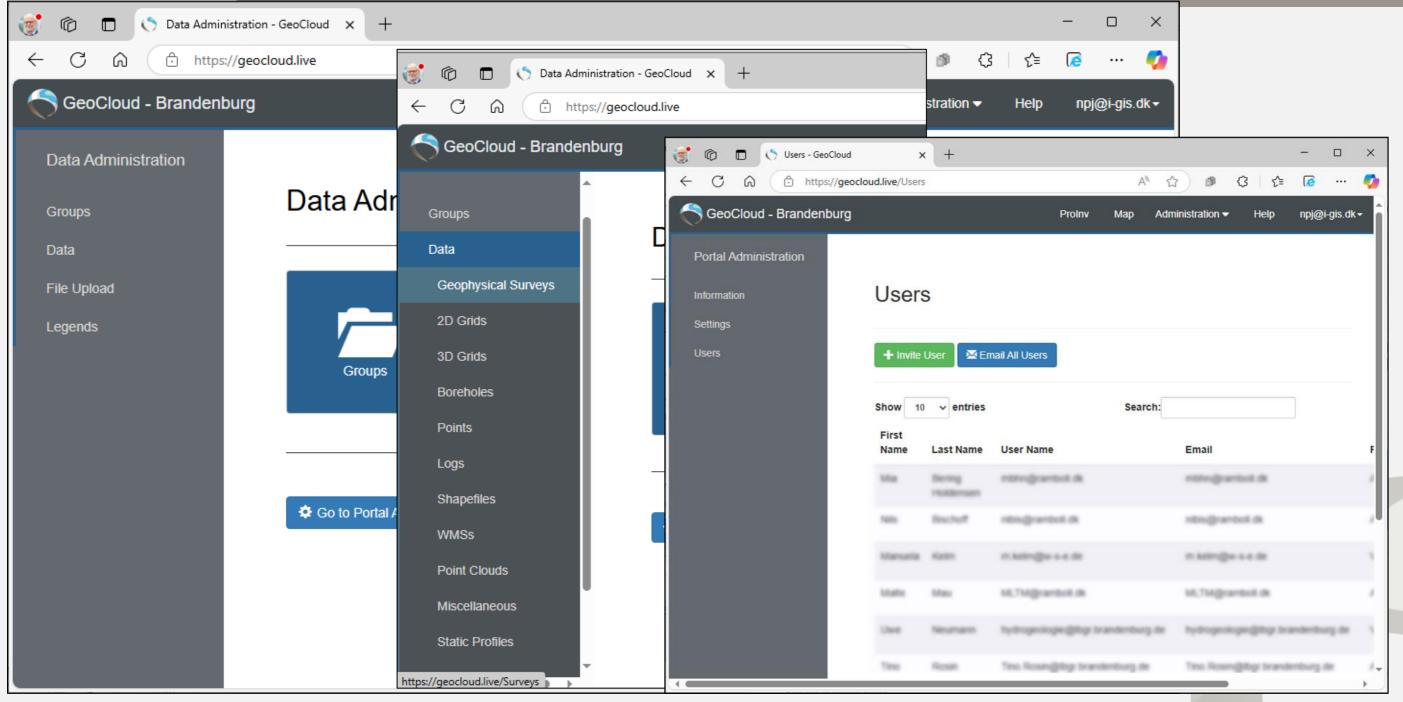




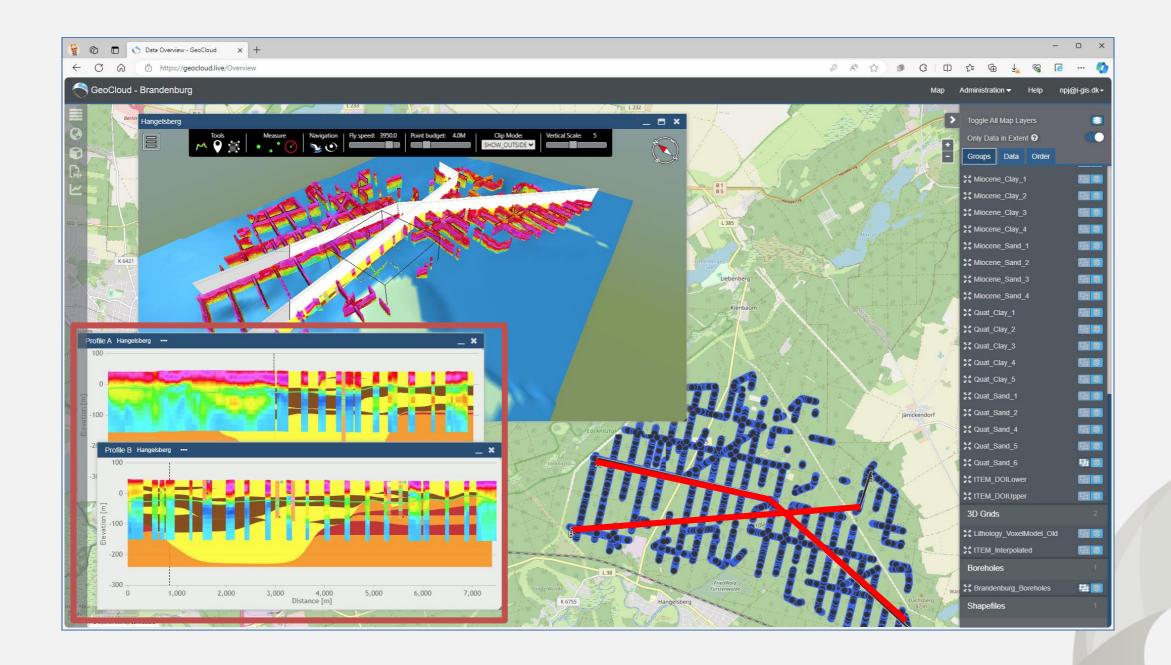
General use



What is GeoCloud

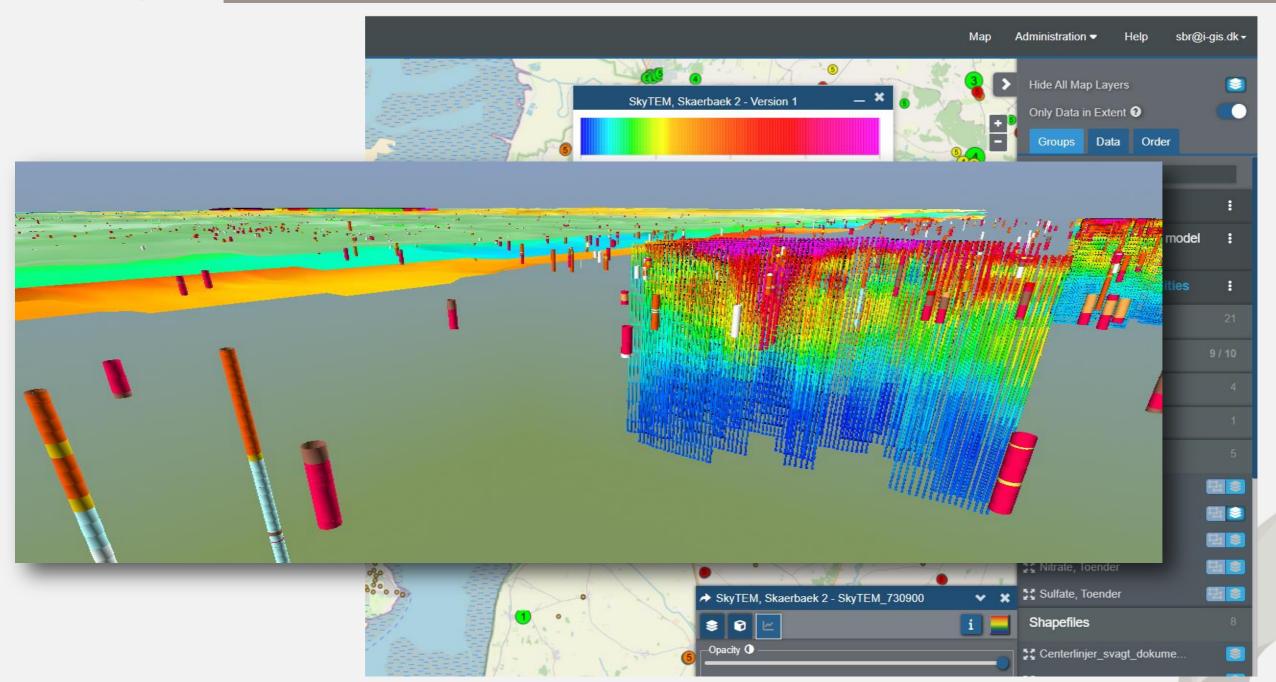


What is GeoCloud





What is GeoCloud





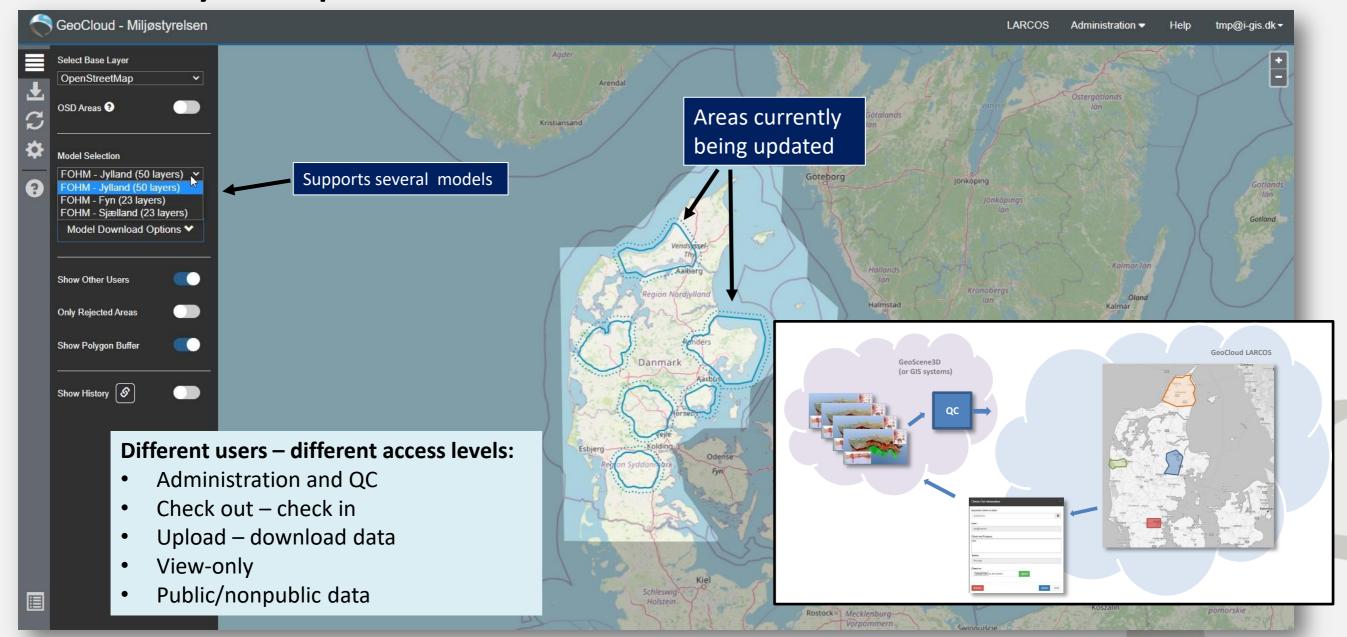
LARCOS

Large Scale Geo Model Management and Collaboration System

WEB-platform for on-the-fly building and administration of geological models

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LARCOS system - part of GeoCloud DMS





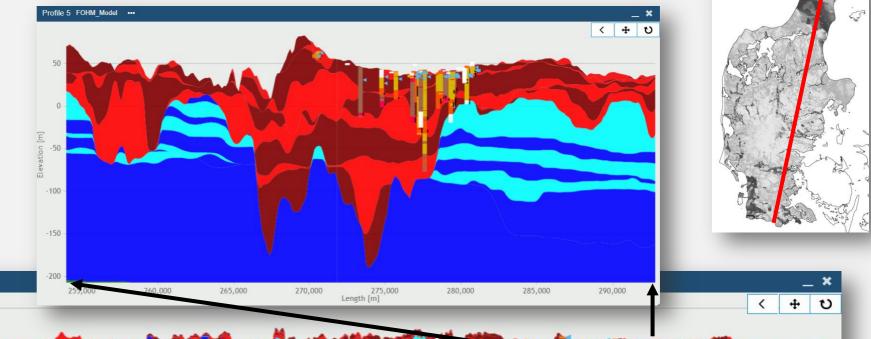
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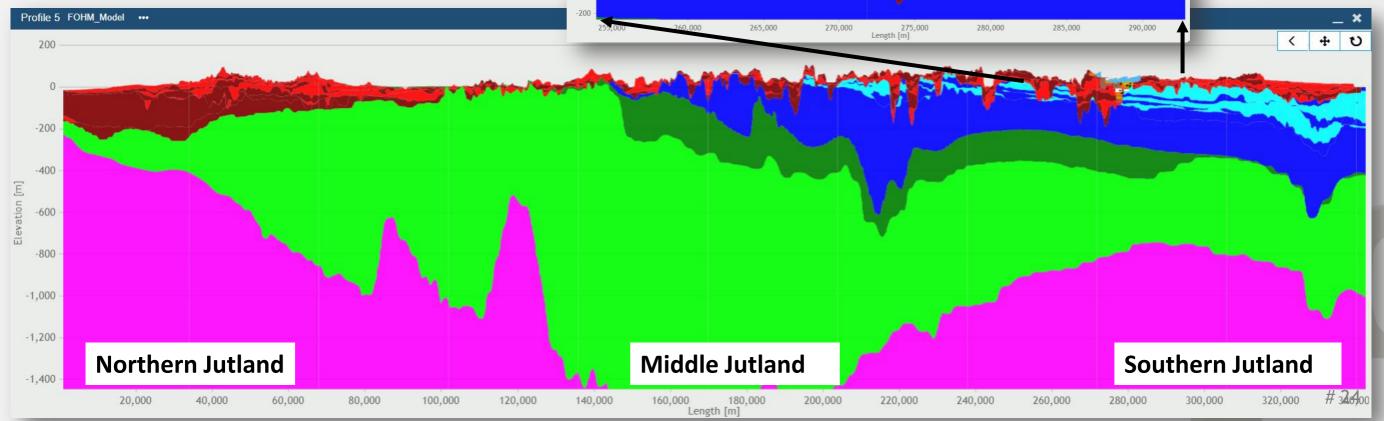
Output examples

Cross sections

Shown: Jutland, north to south.

Length: 380 km.







Support

GEOScene3D

Trace: • GeoScene3D DokuWiki

Search Search

GEOSCENE3D

NTRO AND BASICS

start Sidebar (SGEOS TENEID Navigation GeoScene3D Webinars Application Project Conter 3D grids Add 3D eleme Add Geophysi GeoScene3D and GeoCloud Webinars Add Map Data Add Points Add Surfaces Add Wells add_geocloud **⊕** ♠ AEM 🗓 🍙 Building a laye ⊕ 🕞 Building a vox GeoScene3D FROM GEOPHYSICAL DATA SAVE TIME WITH SMART GeoScene3D **GEOSCENE 3D** TO 3D VOXEL MODEL Danish Model INTRO AND BASICS **FAST MODELS** Hydro Calculat Profiles and Re E Setup a new p GeoScene3D Tools Trouble shooti LEARNING CENTER Webinar: Fast Models Webinar: GeoScene3D If you have any questions about your products or need support, feel free to contact us: supportgs3d@i-gis.dk Fast and Efficient Geological Modeling with This webinar is your gateway to G GeoScene3D Join us for an insightful webinar whe... modeling software. Discover how Map, profiles & 3D window Wells & Getting Adding Data Modellina started Boreholes

GEOCLOUD

GET THE MOST OUT OF

YOUR GEOLOGICAL DATA

GETTING VALUE FROM

(A)EM DATA WITH

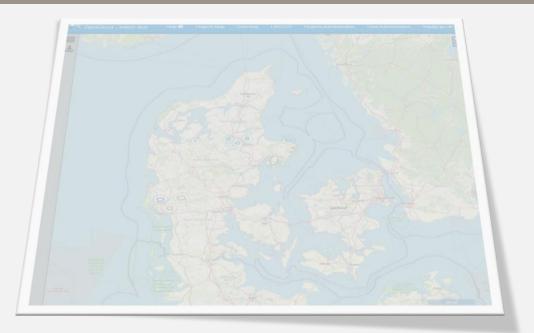
Tuesday, December 6th, 2022, 1:00 pm - 1:45 CET Time 16-6-45 am Liscoln, Nebooka - Central Time (H)

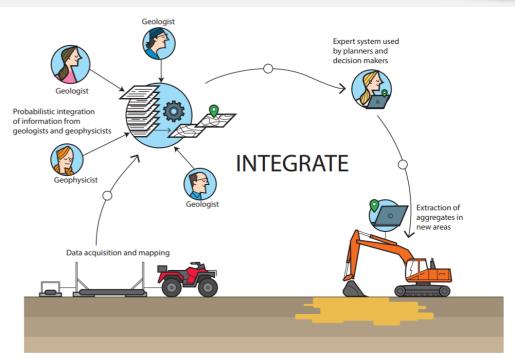


Future:

 Models are growing: Enhancing capabillities on Very Large Models

• Lots of data (geophysics) to come: Probabilistic modeling. Can a modelers vision of a model fit into geophysical data?

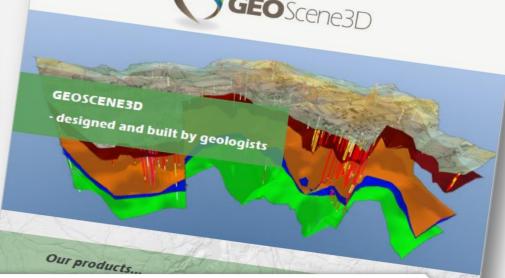




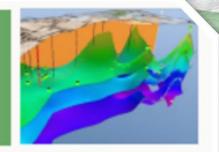


GeoScene3D and GeoCloud





GeoScene3D Free Viewer



- Free inspector of GeoScene3D projects in full 3D
- Open cross sections
- Navigation in 3D

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