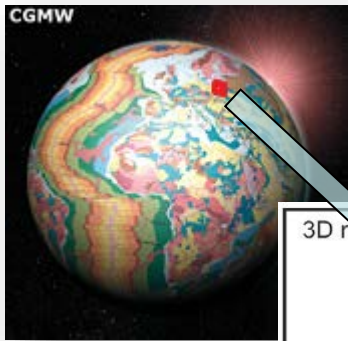


3D REGIONAL GEOLOGICAL MODELLING IN POLAND

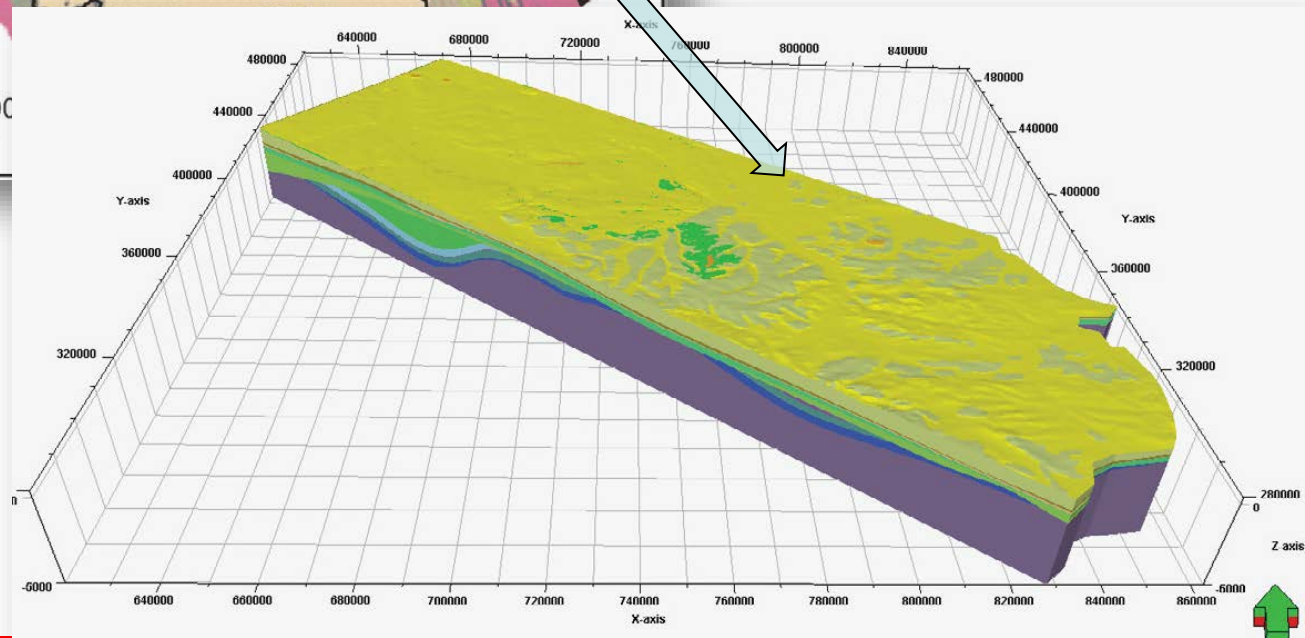
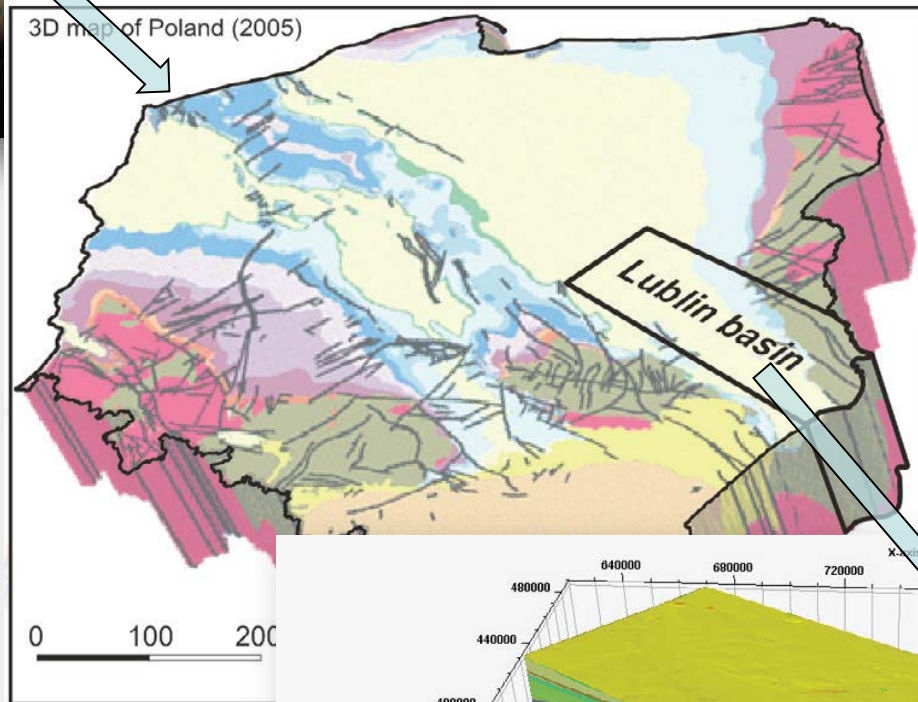
Zbigniew Małolepszy, Ewa Szykaruk, Urszula Stępień
& PGI-NRI Modeling Team

Wiesbaden, 16 June 2016



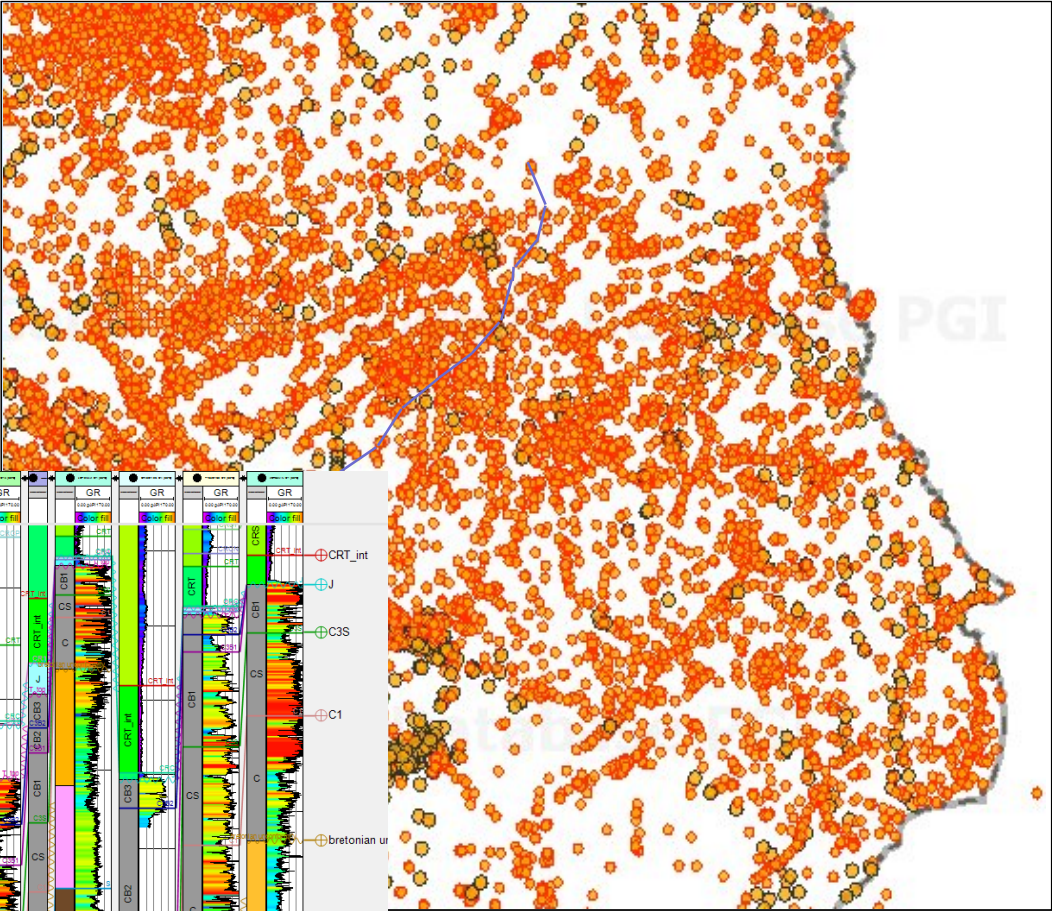
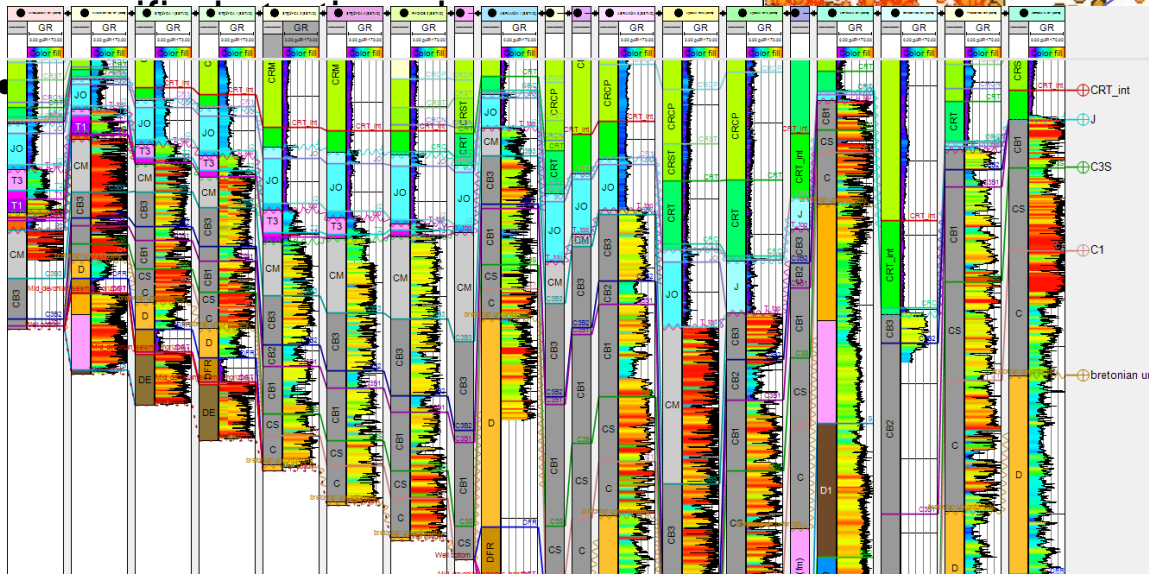


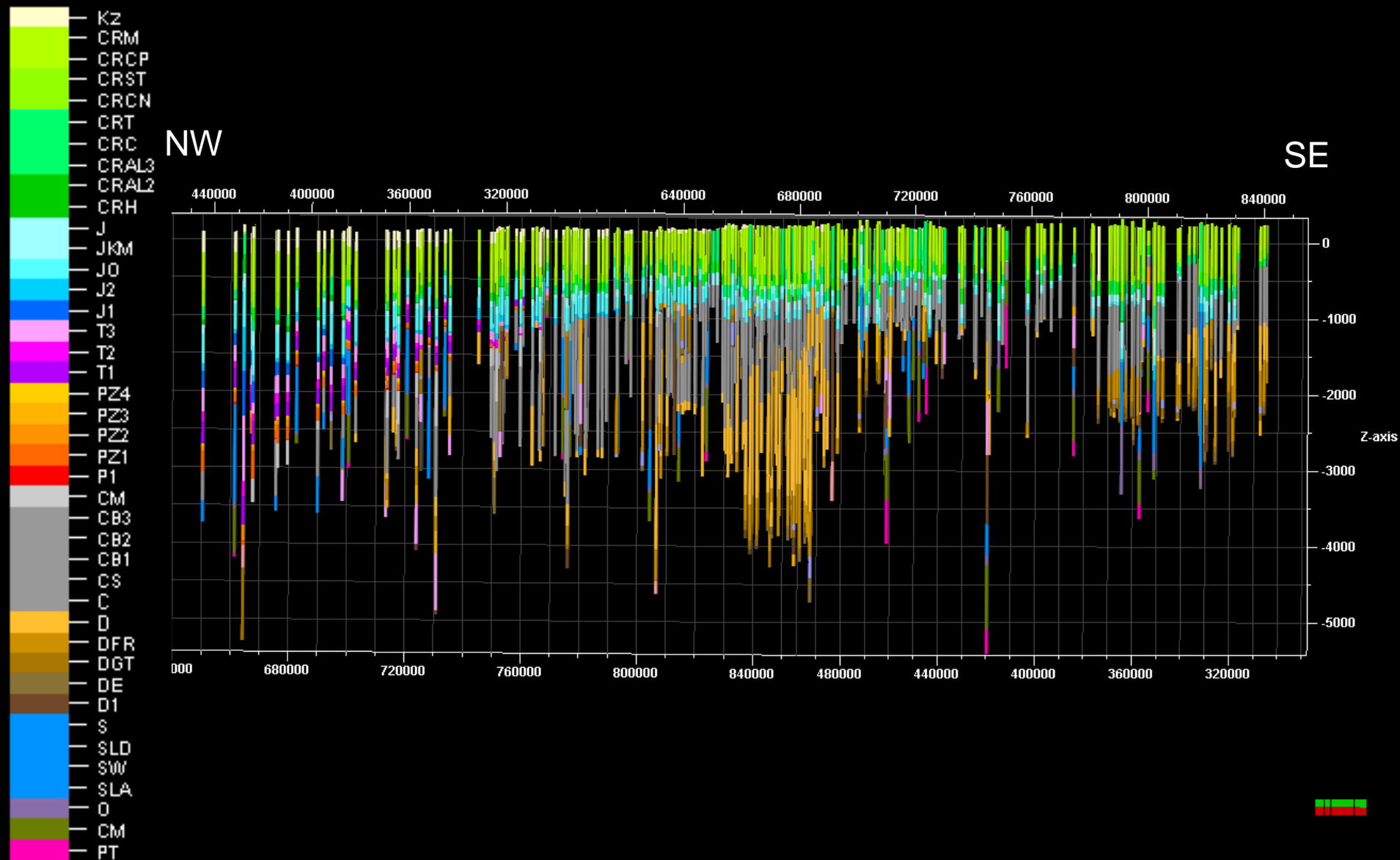
3D regional model of Lublin Basin



Well data input

- 224 deep wells (1200-5800m) selected for best depiction of geology
- Detailed review of stratigraphy and lithofacies in the wells to get best quality of data
- Additional 196 deep wells with



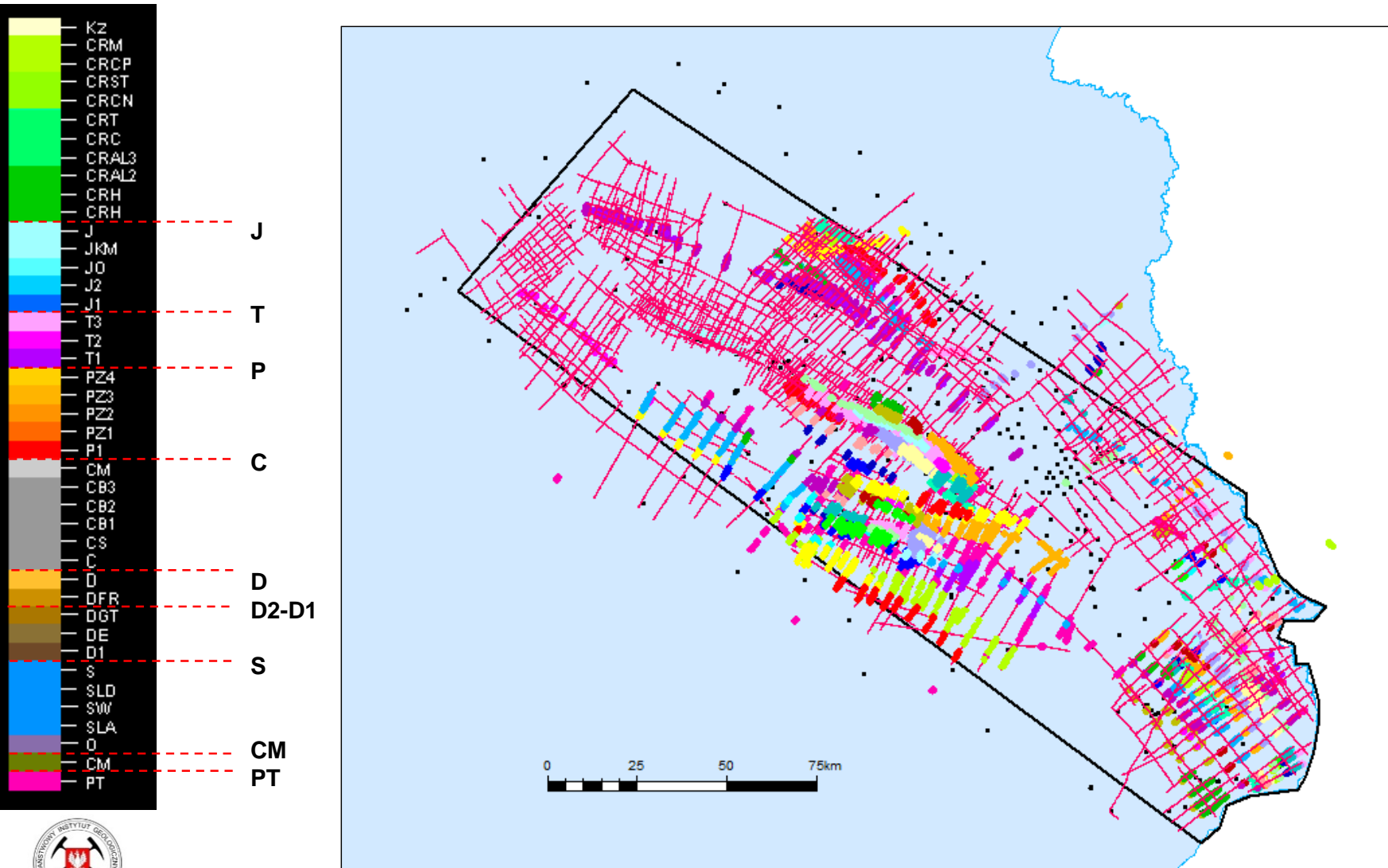


Chronostratigraphy: Precambrian – Quaternary

43 zones



Seismic interpretation: over 10 000 km of 2D surveys
 144 faults interpreted (mostly reverse faults)
 9 horizons interpreted



3D grid modelling

Chronostratigraphy

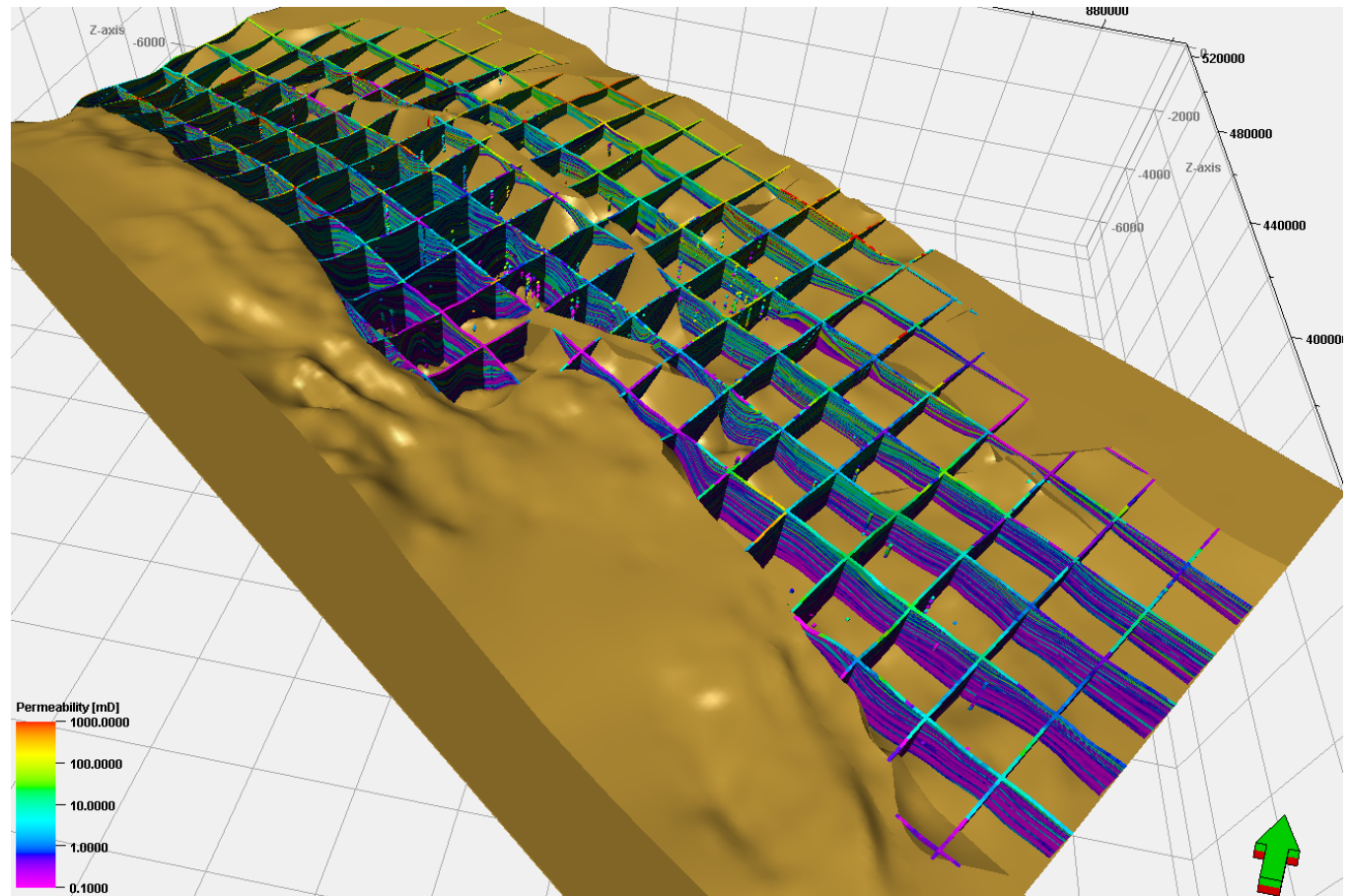
Lithostratigraphy

Lithofacies

Lithology (volume & proportions)

Reservoir properties
(Phi & K)

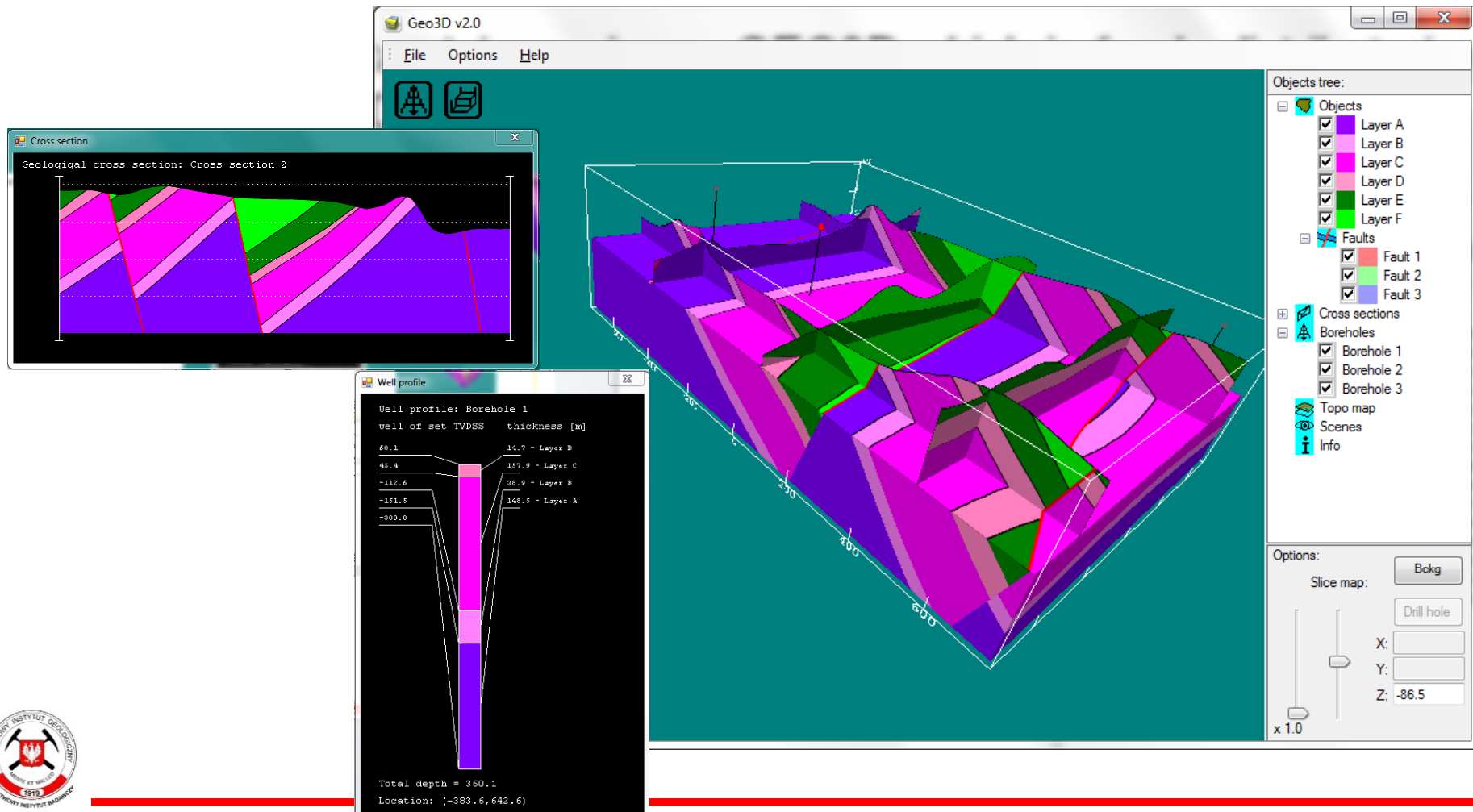
Many others like water
TDS etc. etc.



3D models delivery to the end users

The models have been delivered to the end user through:

- standalone viewer GEO3D which is freely distributed with the models
- 3D web viewer, WebGeo3D

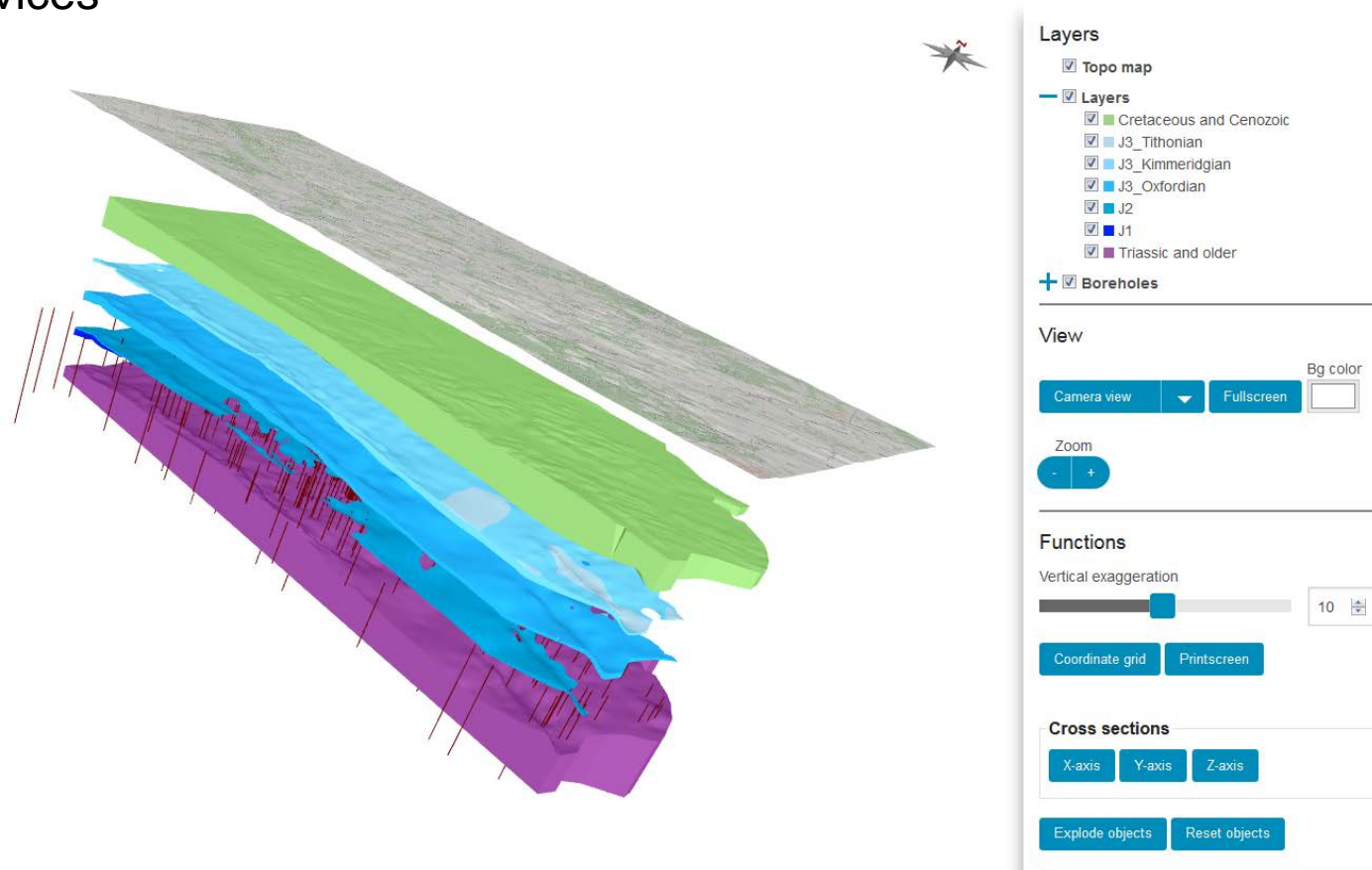


Web solutions for 3D model delivery

X3D format of data

Innovative content management system integrated with the database

Support of mobile devices



Thank you very much
for your attention

