Poland – country update

Ewa Szynkaruk, Urszula Stępień,
Zbigniew Małolepszy, Tomasz Żuk,
& PGI-NRI Modelling Team

Orleans, 21 February 2018

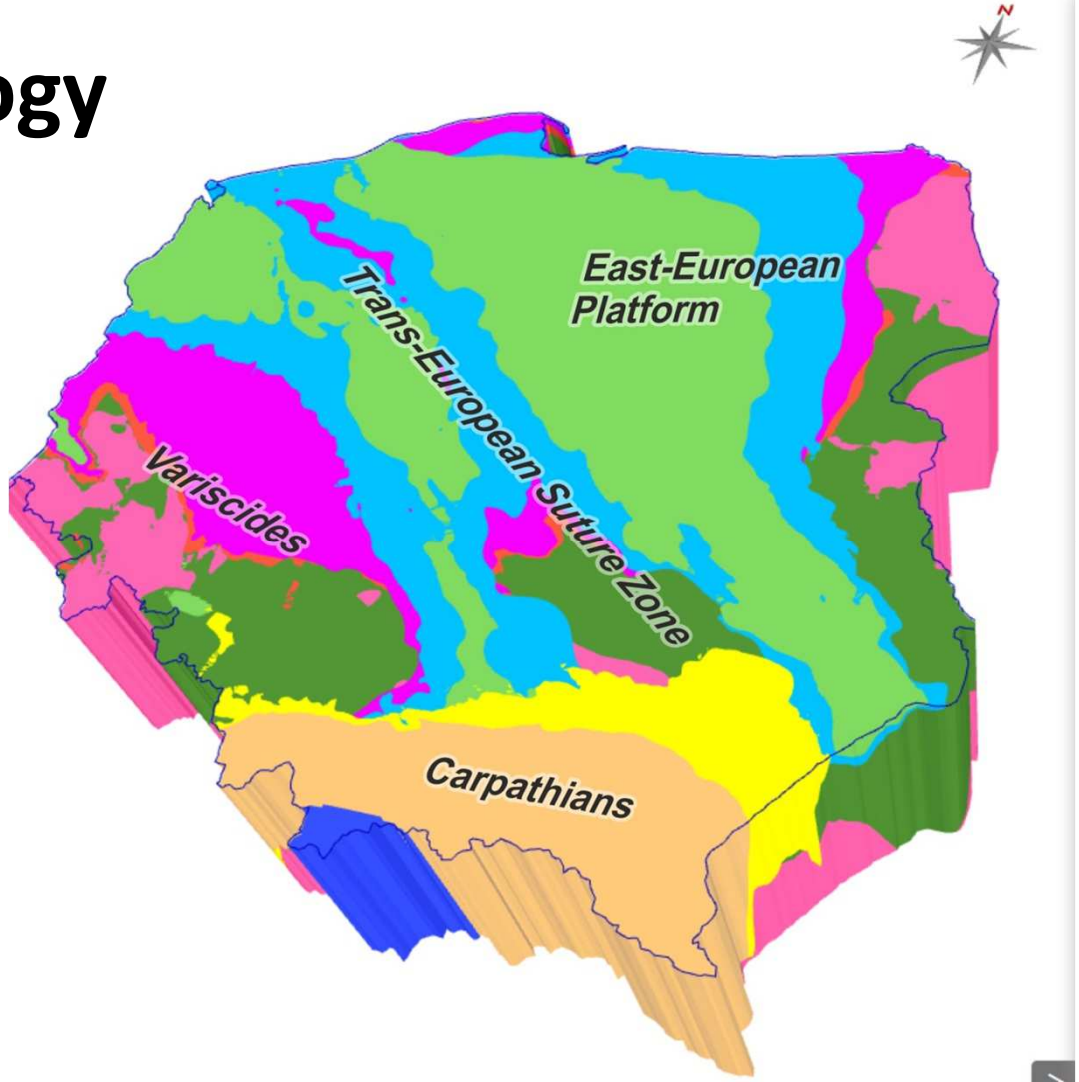
Polish Geological Institute
National Research Institute

www.pgi.gov.pl

THREE MAIN ROADS TOWARDS 3D GEOLOGY OF POLAND

1. Framework geology at national scale

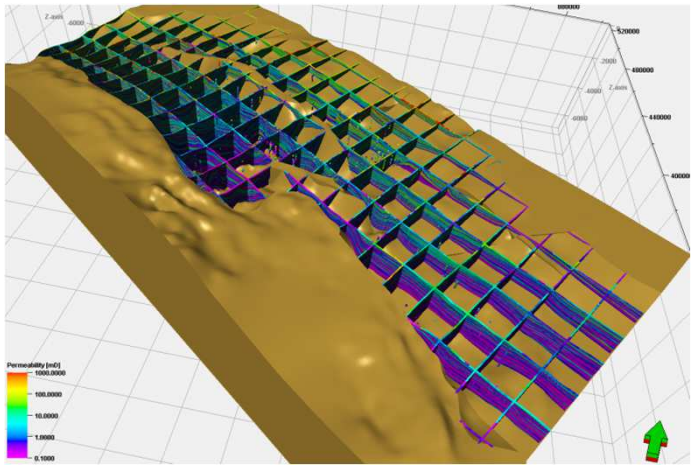
> opportunities and challenges

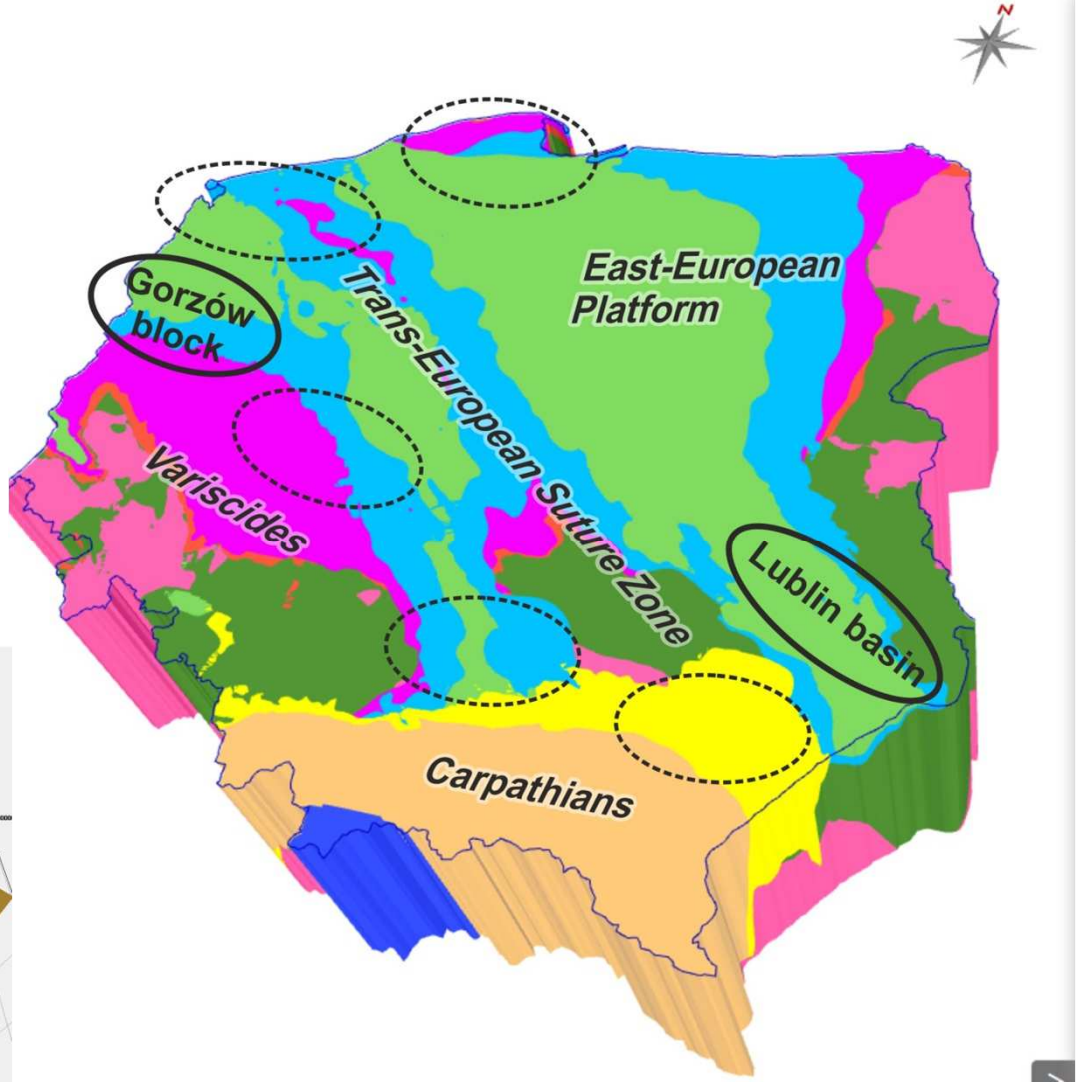


THREE MAIN ROADS TOWARDS 3D GEOLOGY OF POLAND

2. Sedimentary basins

> where most of our activity concentrates

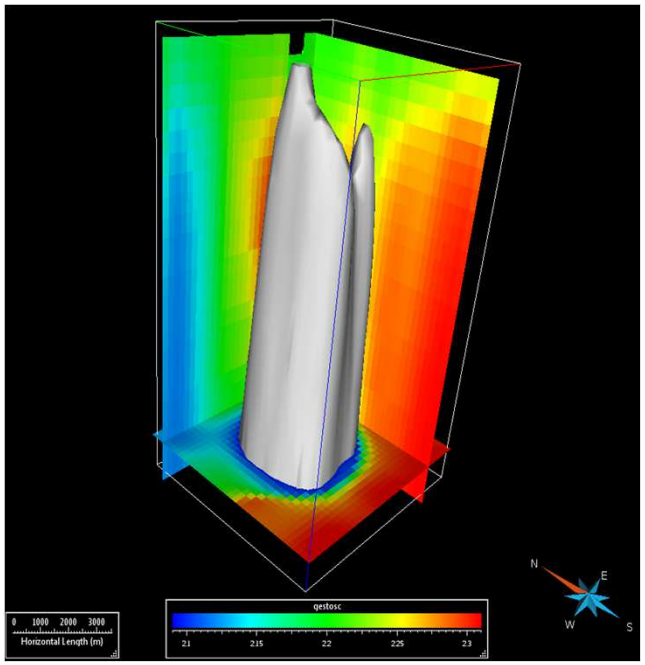


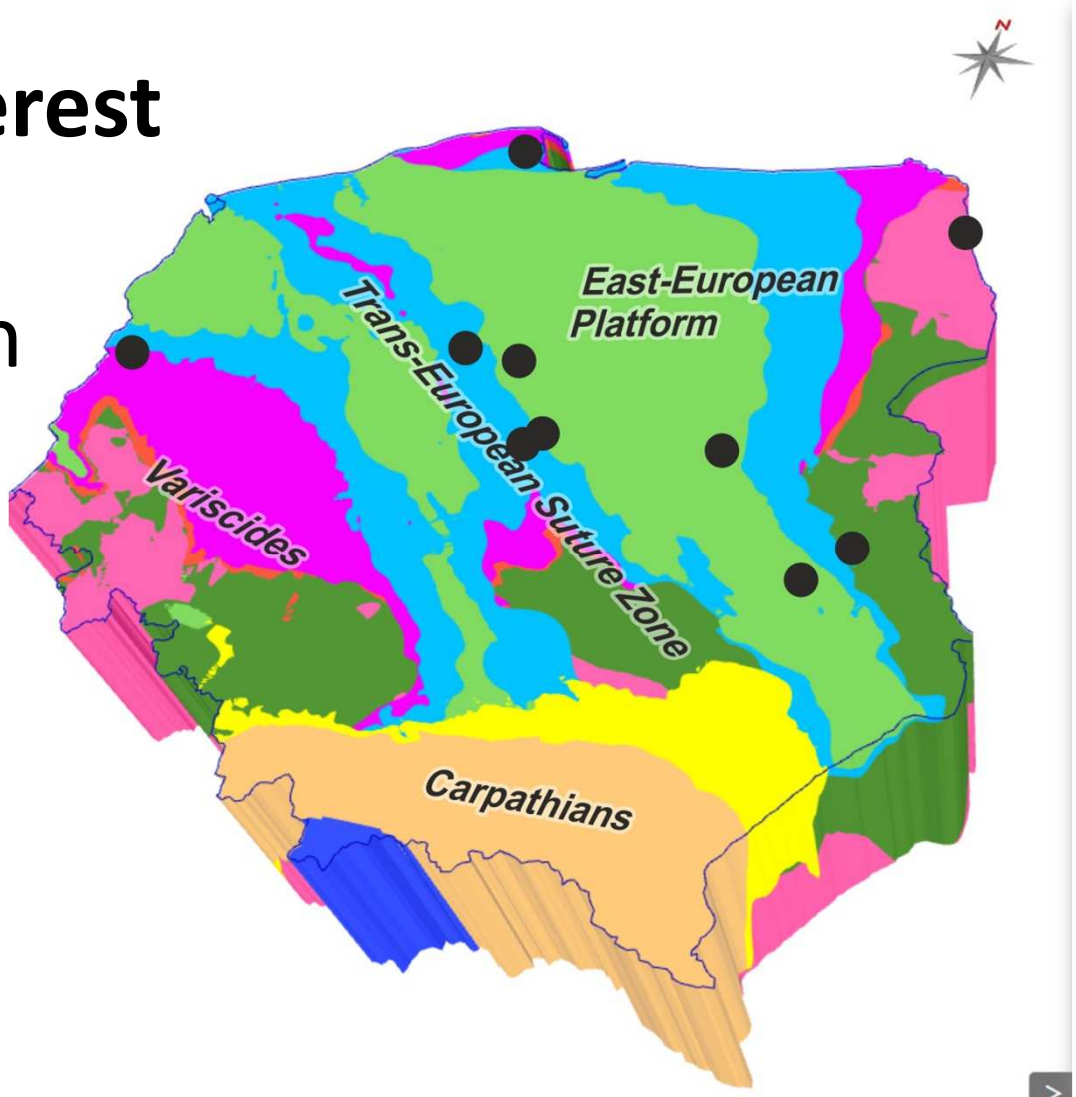


THREE MAIN ROADS TOWARDS 3D GEOLOGY OF POLAND

3. Structures of interest

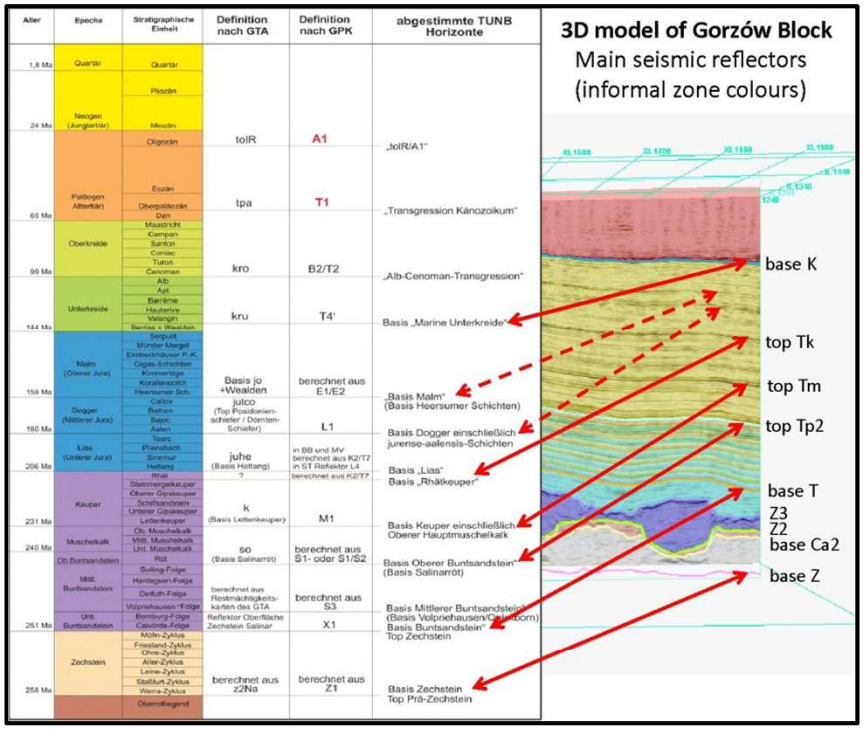
> where we need detailed information

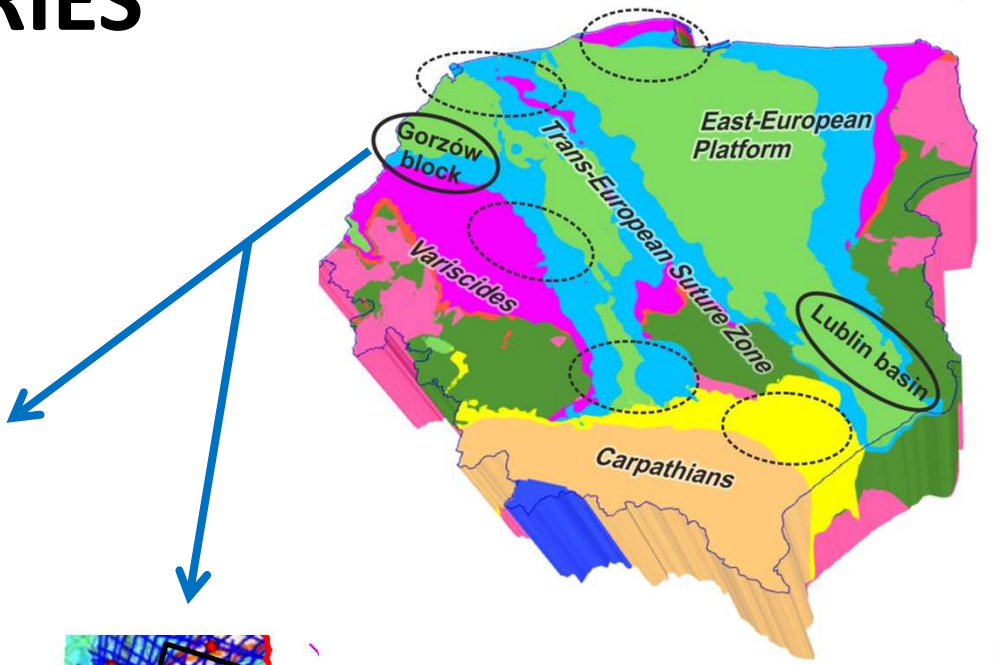


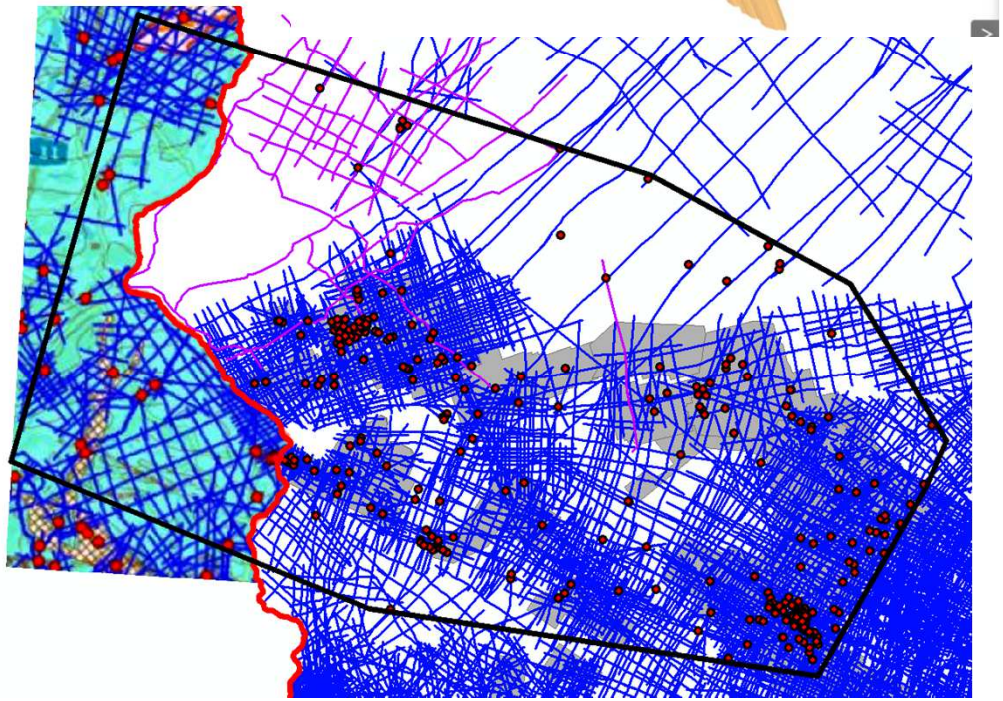


CROSSING BOUNDARIES

> going West…



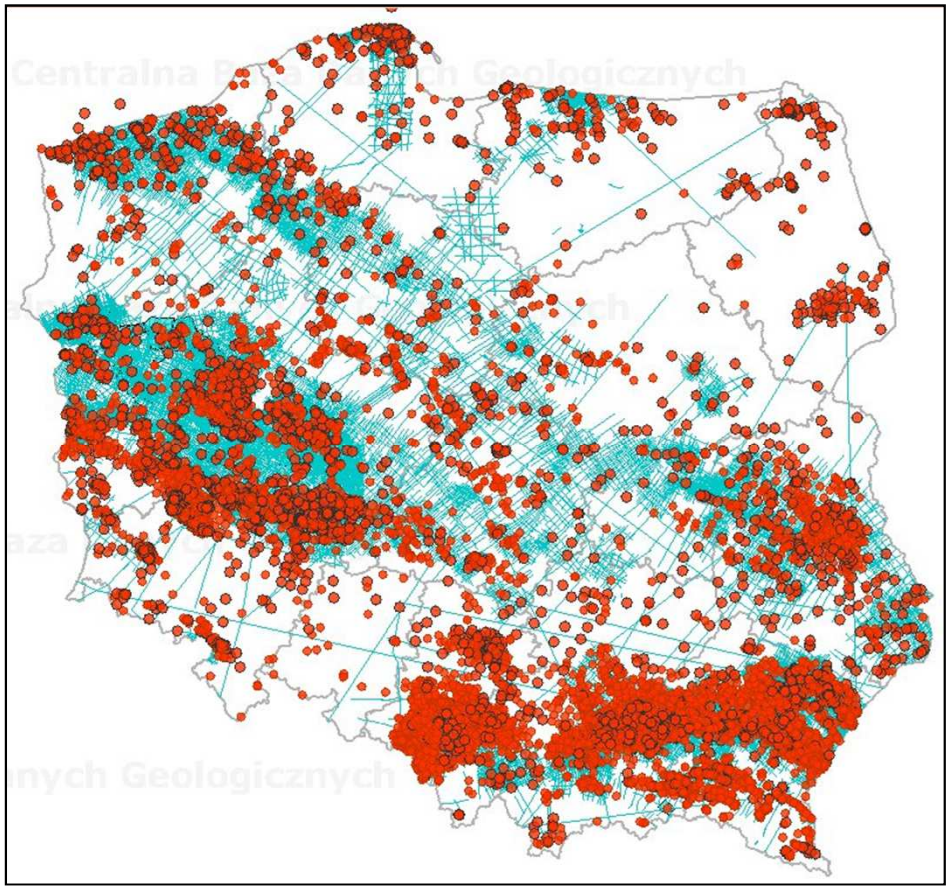


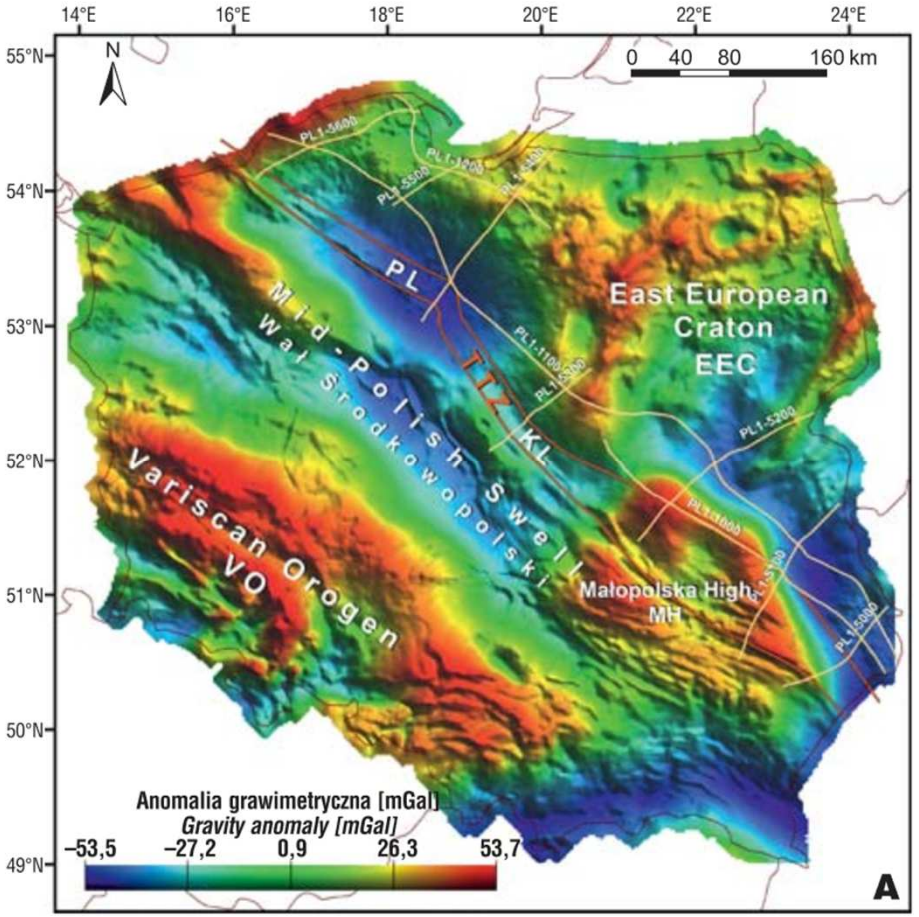


CROSSING BOUNDARIES

Beyond seismics and wells

> gravimetry



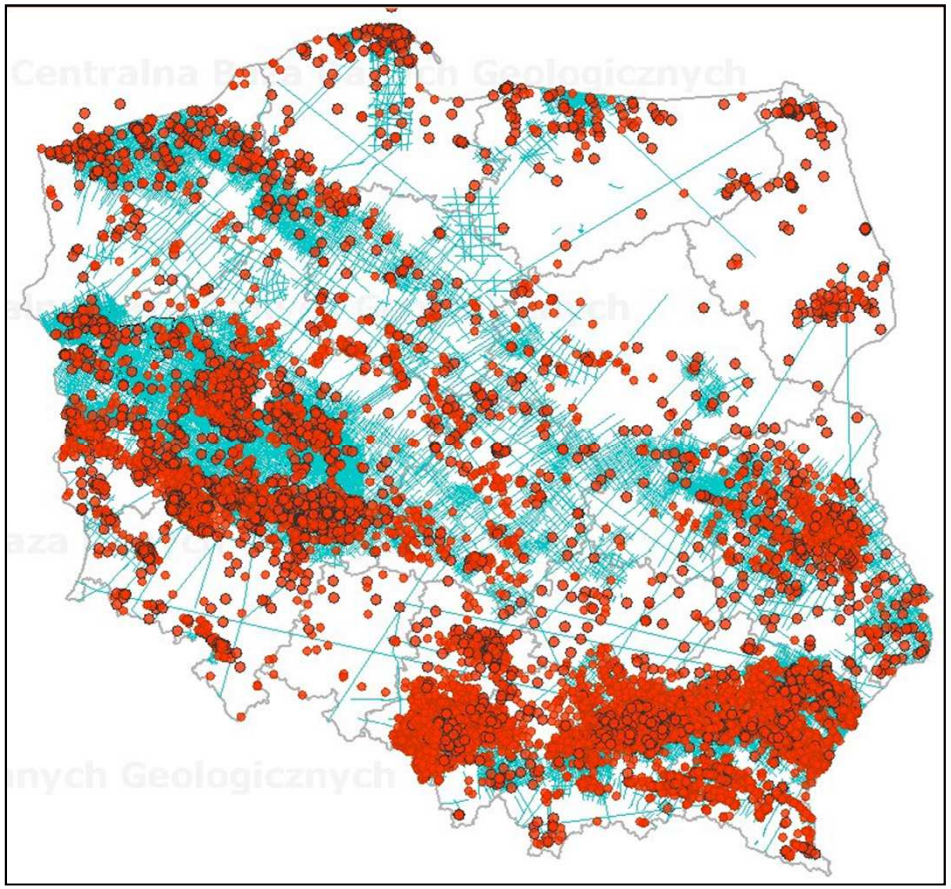


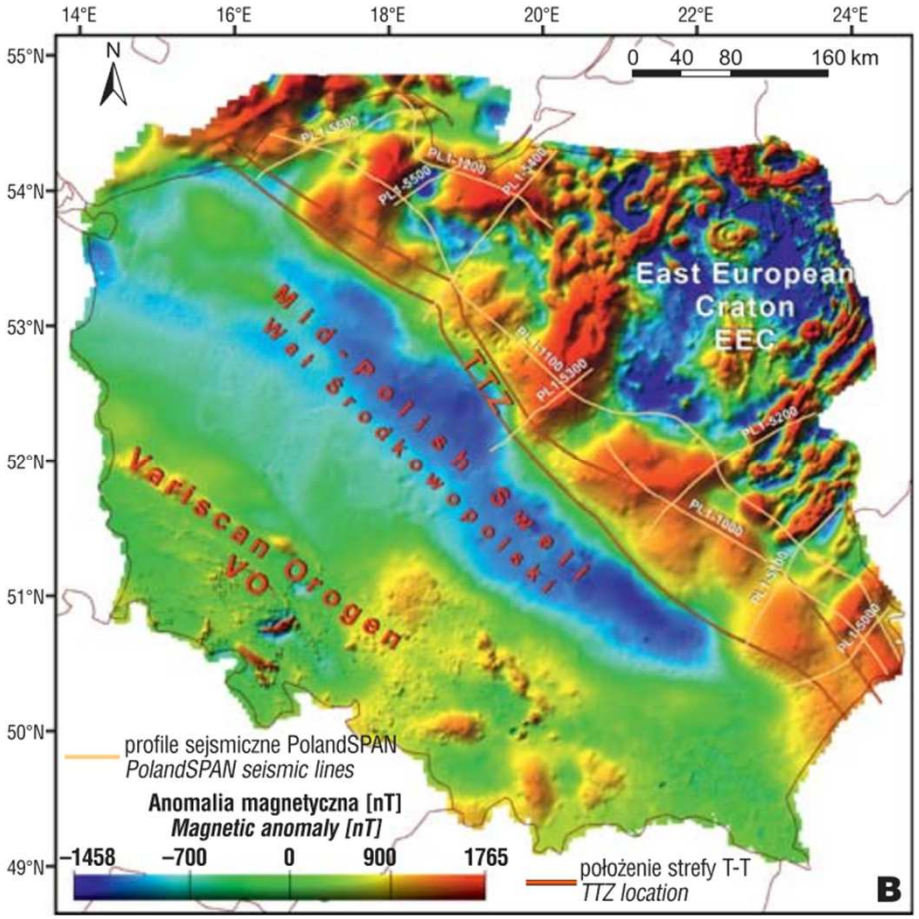
Mazur et al. 2017. Przegląd Geologiczny, 65(12).

CROSSING BOUNDARIES

Beyond seismics and wells

> magnetics





Mazur et al. 2017. Przegląd Geologiczny, 65(12).

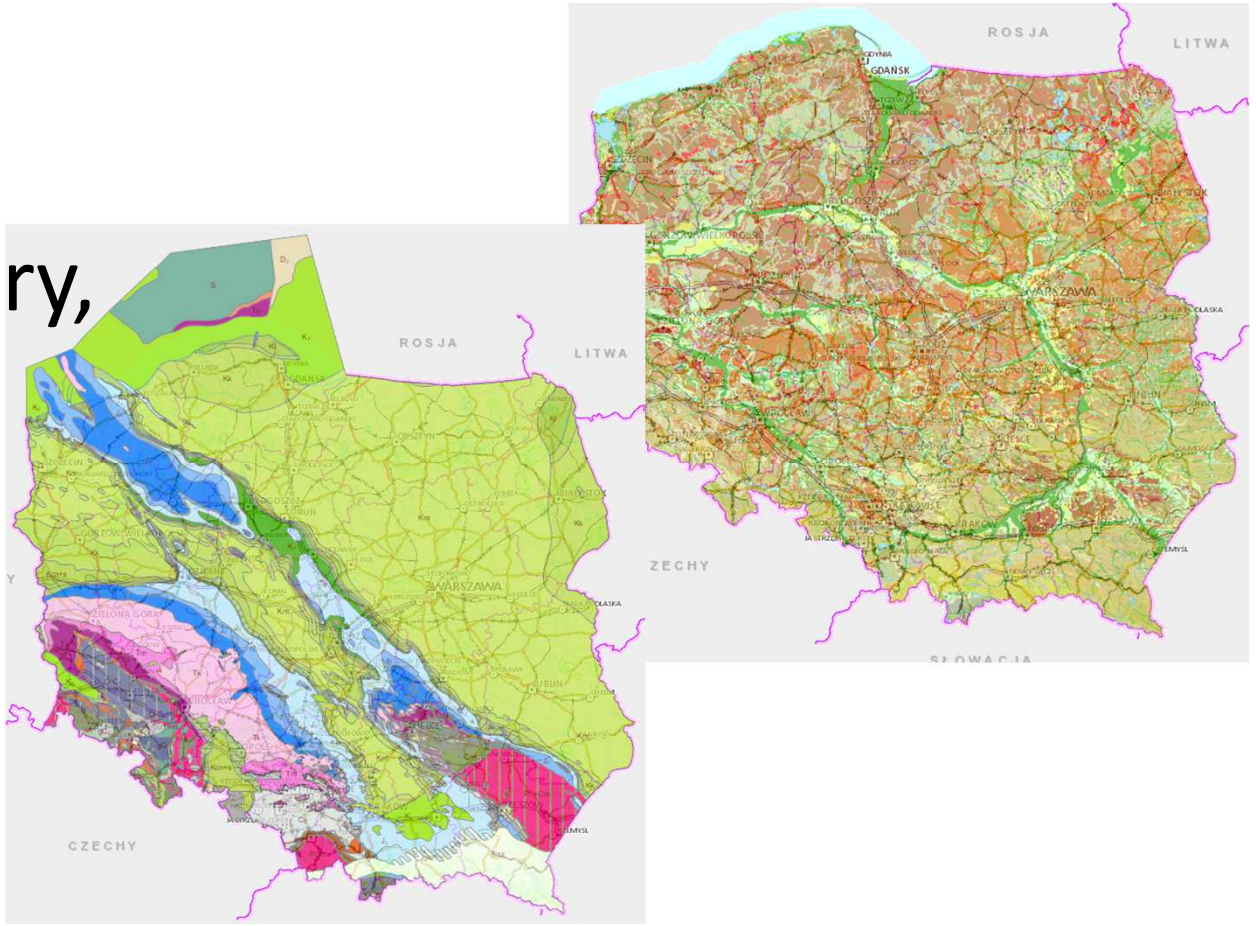
NEW MAPS ON BOARD

3 new geological maps of Poland at 1:500k scale, ready-made for Framework geology of Poland and GeoSciML, INSPIRE and IQAME complient:

> superficial,

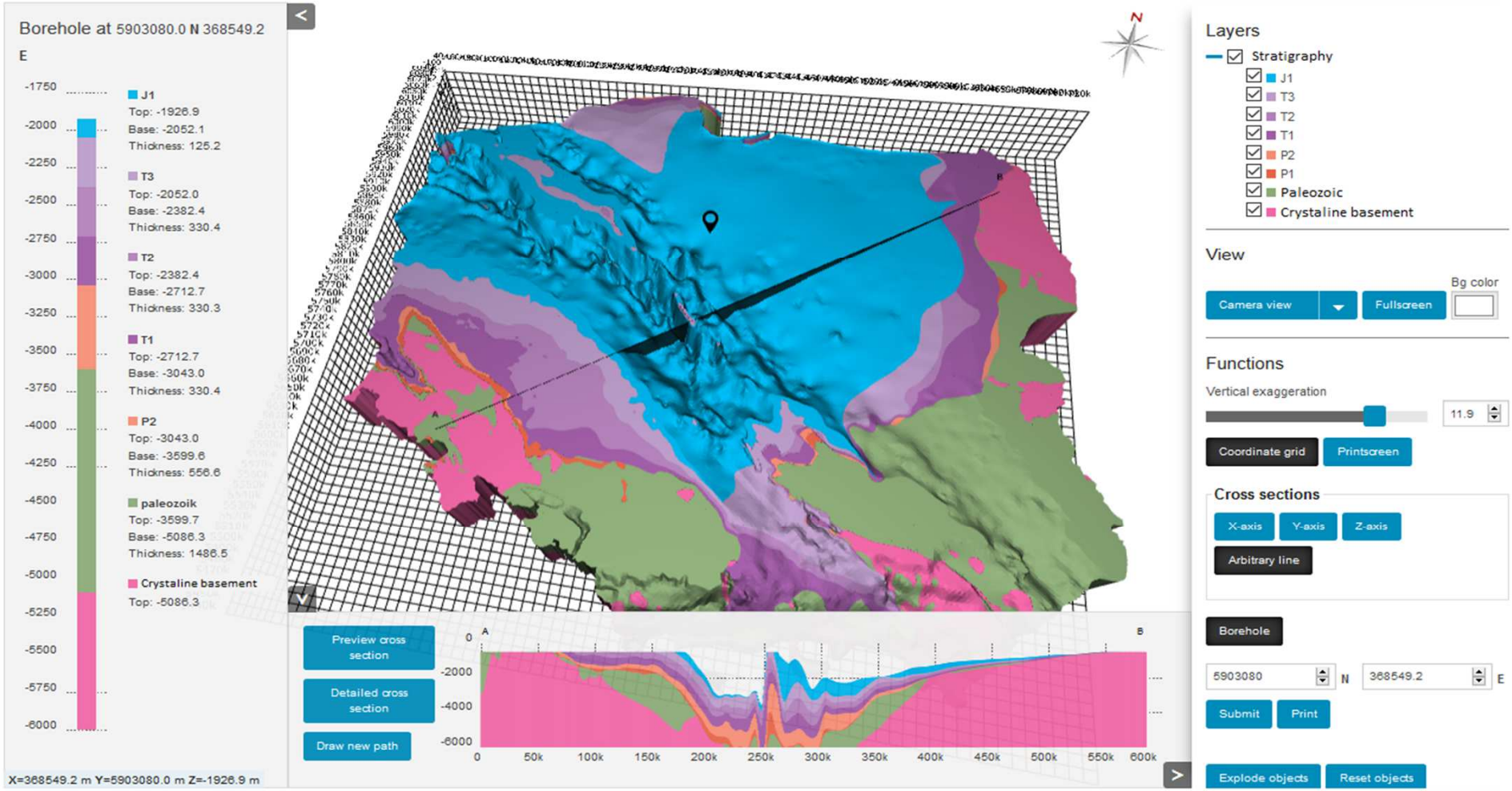
> sub-Quaternary,

> sub-Cenozoic



WEB VIEWER

> new approach for visualization of 3D geology along with rock properties and other parameters



http://webcad.pgi.gov.pl/geo3d/en/projects

Thank you very much for your attention!

Please do not miss the poster presentation tomorrow on: Innovative approach to reconstruction of facies distribution based on analogue study with 3D GPR data and multiple point statistics.