GeoMapApp

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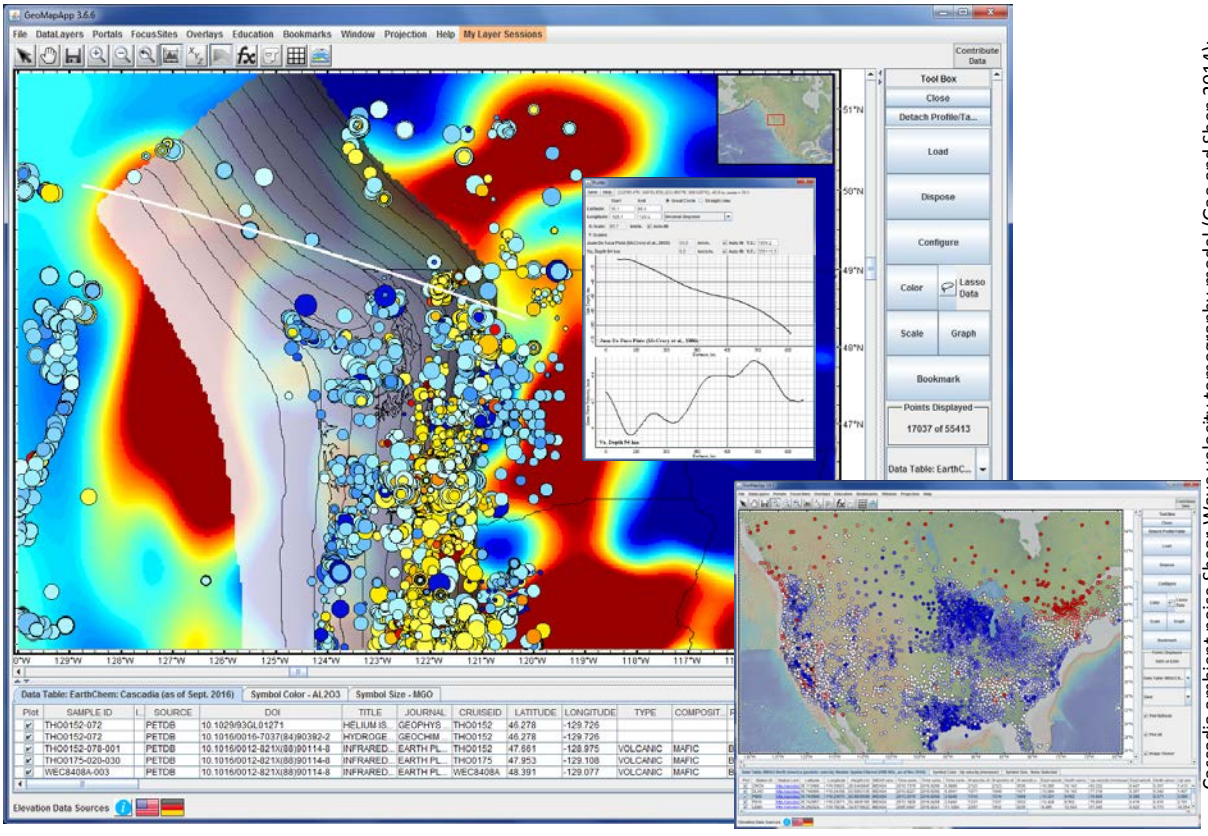
GeoMapApp is a free map-based tool for data discovery and visualisation. Explore hundreds of built-in geoscience data sets such as gravity, magnetics, earthquakes, heat flow, geodetic velocities, geochemistry, geology maps, Antarctic ice sheet data.

GeoMapApp includes:

- **Base Map** – The 100m Global Multi-Resolution Topography (GMRT) synthesis, LiDAR
- **Intuitive Interface** – Easy-to-use tool bar, map window, and analysis options
- **Grid analysis** – Colour, shade, contour, profile, digitise
- **Tables** – Colour and scale points, lasso values, create graphs, edit tables
- **Portals** – Underway marine geophysics, multi-channel seismics, EarthChem PetDB, waypoints planner, Velocity vectors, ocean floor drilling, earthquake focal mechanisms
- **Import** – Tables, spreadsheets, grids, images, shapefiles, web services
- **Output**: Save a GeoMapApp session to share with students and colleagues. Save GeoMapApp grids and images in common formats (e.g. netCDF, JPEG).



Cascadia ambient noise Shear-Wave velocity tomography model (Gao and Shen 2014);
Contoured depth to the top of the subducting Juan de Fuca slab (McCrory *et al*, 2006);
EarthChem geochemistry data (circles: coloured on Al2O3, scaled on MgO).
Inset: MIDAS North American Up Velocity in mm/year (UNR-NGL, downloaded Nov 2016)

For more information www.geomapapp.org

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