

GPlates



GPlates Workshop led by Trond Torsvik, *Centre for Geodynamics and Geological Survey of Norway* Sponsored by the Alaska Geological Society

Thursday March 19, 2009, 1:30-4:30 PM
BP Energy Center, 900 E. Benson Blvd., Anchorage, AK, 99503

No cost to attend, please join us

The GPlates software system was born out of a co-operation between Dietmar Müller (Sydney University), Mike Gurnis (CalTech) and Trond Torsvik (NGU, University of Oslo), and grew from a well-recognized need to create a new, self-consistent, global plate motion model that may be linked both to commonly used geological databases. <http://www.gplates.org/index.html>

GPlates is desktop software for the interactive visualisation of plate-tectonics.

GPlates offers a novel combination of interactive plate-tectonic reconstructions, geographic information system (GIS) functionality and raster data visualisation. GPlates enables both the visualisation and the manipulation of plate-tectonic reconstructions and associated data through geological time. GPlates runs on **Windows**, **Linux** and **MacOS X**.

GPlates is free software (also known as open-source software), licensed for distribution under the GNU General Public License (GPL), version 2

Sequential plate reconstructions enable analysis and interpretation of geologic, palaeoclimatic and palaeogeographic data in time and space, and this workshop will deal with the following topics: (1) Quantitative reconstruction methods (magnetic anomalies, hotspot tracks & palaeomagnetism), (2) GPlates at work (load, display & reconstruct continents), (3) Preparing and importing your own data sets (build your own world), and (4) The GPlates rotation engine (manipulate the rotation file).

If you would like to have the software preloaded on your laptop, visit the website for GPlates at <http://www.gplates.org/downloads.html#compatible-data> and follow the instructions to download and install the software

