CEED Launched

Based at University of Oslo, and led by Prof. Trond Torsvik, the Centre for Earth Evolution and Dynamics will provide a boost to GPlates development, especially focusing on paleomagnetic data. Research highlights from the CEED include study of Deep Earth, Dynamic Earth, Virtual Earth, Comparative Planetology, mass extinctions and environmental changes. Learn more here.

Recent GPlates research and datasets

A new GPlates tectonic model for South East Asia

Big Data Knowledge Discovery Launch

June 2013 saw commencement of a $12 million, 3-year collaboration, for a ground-breaking project that will use big-data and machine learning to deliver new insights to the natural sciences - the geo-science thread is being led by Professor Dietmar Müller, at the University of Sydney. Read more.

NSF Announces First Building Block Projects for EarthCube

GPlates functionality and reconstructions will become accessible as Web Services through the new EarthCube infrastructure program in the U.S. Read more here.

New GPlates Tutorials

With the release of GPlates Version 1.3 new functionality has been added, including volume visualisation of 3D scalar fields, data-mining and surface relief lighting. Download GPlates 1.3 here. Learn more with the latest tutorials.

Data Mining Functionality

The burst in GPlates development has resulted in new horizons for exploration and gained media attention, including a cover story in the Australian Mining Magazine (shown below), “Data mining: a new frontier for mineral exploration” in the July/August 2013 issue and this Energy News story, “Clues for stressed Australian explorers”, 18 July 2013.

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http://www.gplates.org
http://www.earthbyte.org
www.mn.uio.no/ceed/english/
www.gps.caltech.edu/~gurnis/GPlates/gplates.html
Hidden hotspot track beneath eastern USA
Mike Gurnis and a team of collaborators found the track of a hotspot hidden in the very old, thick crust of the Eastern United States. Read the research paper published in *Nature Geoscience*.

Opal research receives global attention
Using GPPlates, the first opal prospectivity map has been generated and was welcomed by media attention in Australia and overseas. Read the research papers published in the *Australian Journal of Earth Science* and *Computers and Geosciences*. Media release and story here.

EOS Research Spotlight
Simon Williams et al. 2013, reveal early Australia-India spread history. Read EOS story and paper.

Seton et al. 2012 in ‘Top 25’
Global reconstructions of continents and ocean basins for the last 200 Ma was number 16 in the top 25 downloaded geology articles from Elsevier in the first half of 2013.

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