

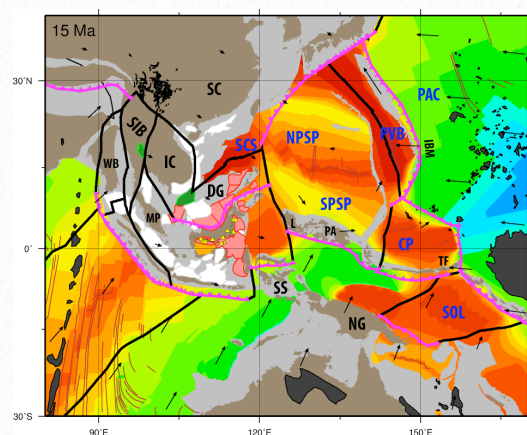


## CEED Launched

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



Download [research paper](#), [supplementary data](#) and view a reconstruction [animation](#).

## Big Data Knowledge Discovery Launch

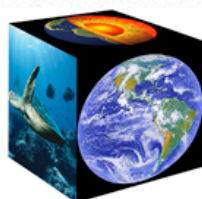
June 2013 saw commencement of a \$12million, 3-year collaboration, for a ground-breaking project that will use big-data and machine learning to deliver new insights to the natural sciences - the geo-science thread is being led by Professor Dietmar Müller, at the University of Sydney. [Read more](#).



## 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](#).



# EarthCube

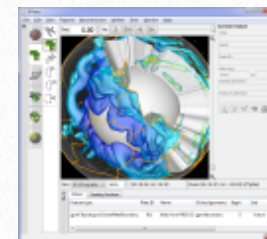
Visit our Websites:

<http://www.gplates.org>

<http://www.earthbyte.org>

[www.mn.uio.no/ceed/english/](http://www.mn.uio.no/ceed/english/)

[www.gps.caltech.edu/~gurnis/GPLates/gplates.html](http://www.gps.caltech.edu/~gurnis/GPLates/gplates.html)



## 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](#).

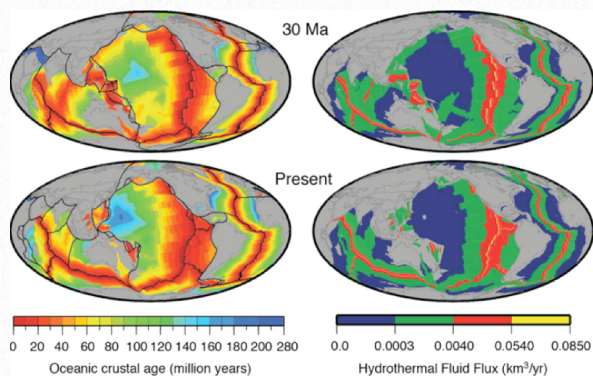
## Data Mining Functionality

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.



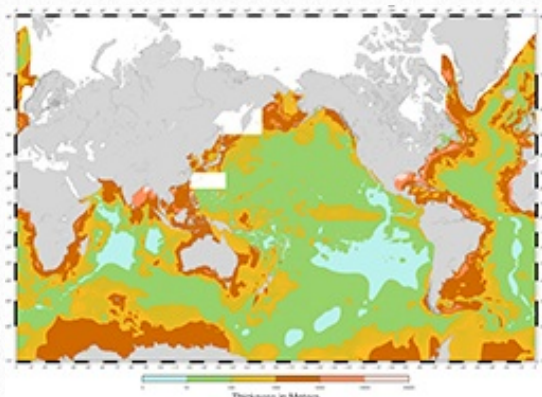


# More Research Highlights



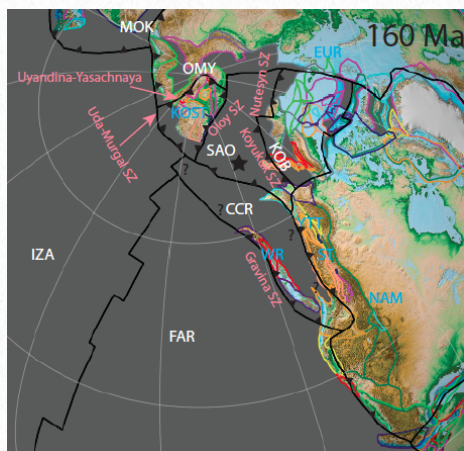
## New global oceanic paleo-age and paleo-heatflow map

Access [paper and downloadable data](#)



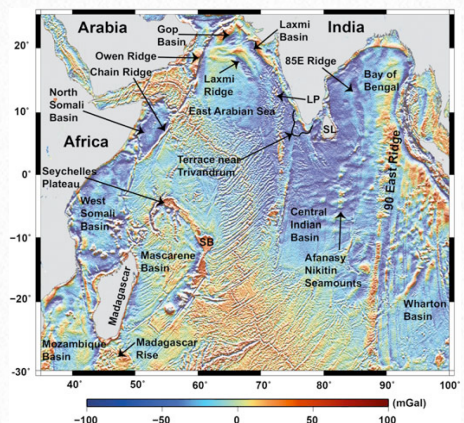
## Sediment thickness map improved

Access [paper and data](#)



## A new tectonic model for the Arctic

Access [paper and plate model](#)

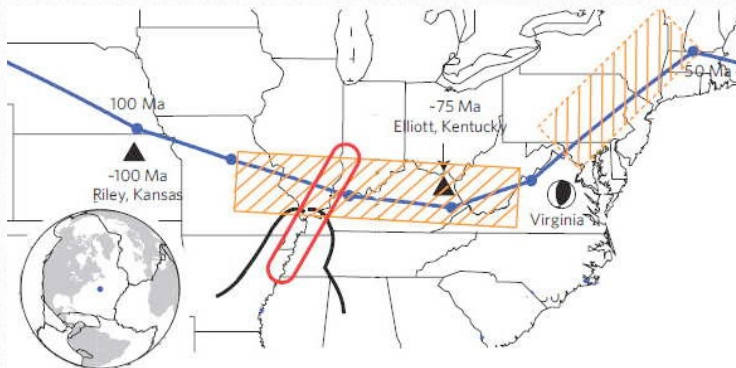


## Break-up of East Gondwana refined

Access [paper and plate model](#)

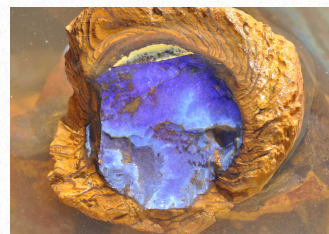
## Hidden hotspot track beneath eastern USA

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](#).



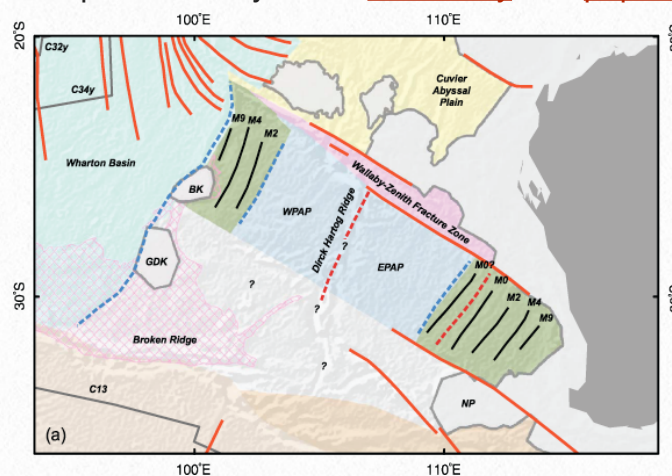
## Opal research receives global attention

Using GPlates, 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.

[VIEW FULL TOP25 LIST](#)

## For more information contact:

Prof. Dietmar Müller, The University of Sydney: [dietmar.muller@sydney.edu.au](mailto:dietmar.muller@sydney.edu.au)

Prof. Mike Gurnis, California Institute of Technology: [gurnis@caltech.edu](mailto:gurnis@caltech.edu)

Prof. Trond Torsvik, University of Oslo: [t.h.torsvik@geo.uio.no](mailto:t.h.torsvik@geo.uio.no)

# Awards for GPlates Researchers

Professor Mike Gurnis, a co-developer and user of GPlates, has been awarded the **2013 Augustus Love Medal** for fundamental contributions to geodynamics.



Dr Jo Whittaker has been awarded with a **L'Oreal 'Women in Science' Fellowship** worth \$25K, for her continued work unravelling the history of India-Antarctica break-up.



In addition, Jo received the prestigious Edgeworth David Medal for distinguished work in Geophysics!

