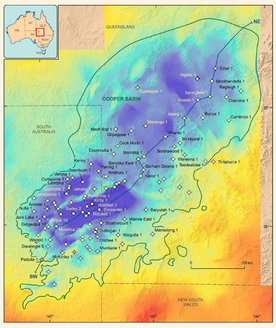
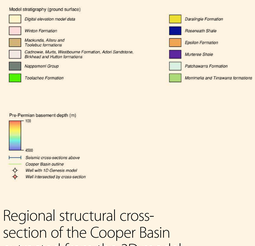
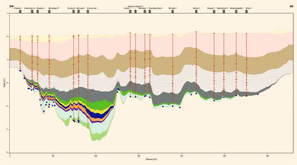
Petroleum Data Sets

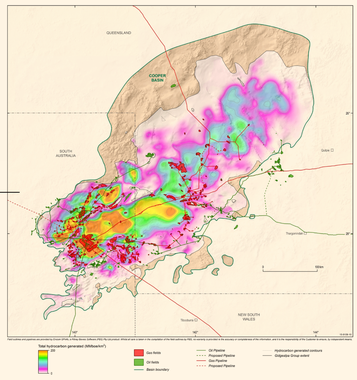
Cooper Basin products
(Courtesy Lisa Hall, Geoscience Australia, 2016)





Regional structural cross-section of the Cooper Basin extracted from the 3D model (from Hall et al., 2016).



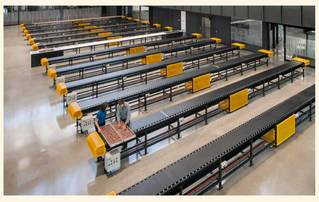


In 2016 Geoscience Australia, in collaboration with South Australia and Queensland completed and published a series of reports and metadata on the Petroleum Prospectivity of the Cooper Basin. The following link provides access to all the reports (including new compositional kinetics), GIS metadata, presentations and a Trinity Petroleum system model that highlight the extraordinary generative capacity of the Permian coals and coaly shales. *http://www.ga.gov.au/about/projects/energy/onshore-energy-systems/cooper-basin-prospectivity-study*

Map of the combined modelled volume of hydrocarbons generated from all Permian source rocks (MMboe/km^2). Results represents the total amount of hydrocarbons generated. No distinction is made here to account for adsorption and hence hydrocarbons expelled versus retained.

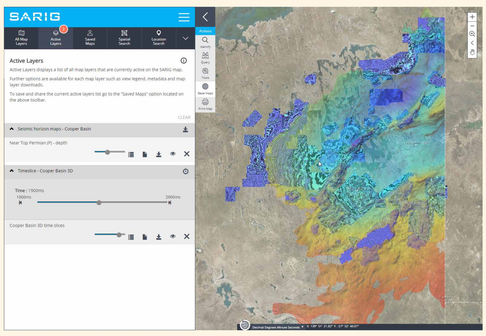
South Australia Drill Core Library

The new $32.2million South Australia Drill Core Reference Library is located at Tonsley, 9km from Adelaide's CBD, and opened for business in July-2016.



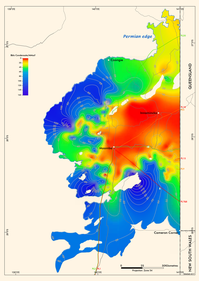
Nelson Discovery Hall showing the extensive core layout tables in a climate controlled viewing area.

SARIG

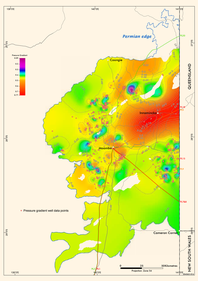


- 300 spatial petroleum datasets (tenements, geology, geophysical and land access)
- Spatially search & download well completion reports (WCR), 2D and 3D seismic data
- Core photo database and scanned thin section database available for download.
- View new acreage releases and download related data packages
- New: 83 selected Otway Basin well logs in LAS format (downloadable)
- New: 63 selected Cooper Basin well logs in LAS format (downloadable)
- New: 3D Cooper Basin time slice tool (as shown); merged time slice images from all of the 3D surveys in the Cooper Basin and 100ms intervals from 1000 ms to 2900 ms two-way time.

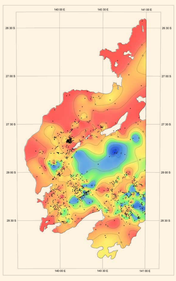
Cooper Basin Atlas



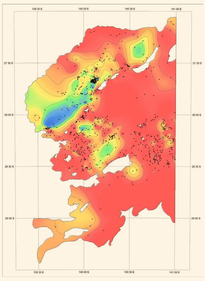
Patchawarra Formation
Condensate Yield



Patchawarra Formation
Pressure Gradient

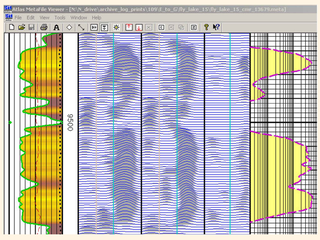


Toolachee Formation
Sandstone Isopach



Patchawarra Formation
Coal Isopach

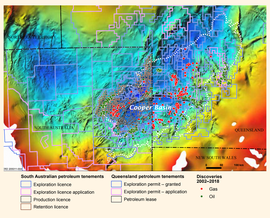
Bundled well data



On a removable hard drive ($2000):

Well completion reports, Digital well logs, Log displays, Thin section database, Core photos database, Open file downhole diagrams

Seismic horizon maps
(Cooper and Eromanga)



Work station ready data*

2D SEGY and selected 3D SEGY datasets:

- Cooper Basin 2D 1975–2000 $1000
- Cooper Basin 2D 2001–04 $500
- Cooper Basin 2D 2005–06 $500
- Cooper Basin 2D 2007–14 $500
- 3D SEGY $100 per survey
- Other basins (Pedirka, Officer, Otway, Arrowie, Arckaringa, Murray, Stansbury also available).
- Field seismic and processed seismic data

**Discount available with bundled well data.*