



Powerful, secure information management across multiple distributed databases - all from your desktop

GeoBrowse provides a unique approach to dynamic database querying, letting you see and compare data from multiple databases via a single, intuitive, navigable map view. It displays map data in a consistent coordinate system, with projection and datum conversions handled automatically. Map views and selections can be used to move data directly to and from your applications and corporate data stores.

The business case

There is increased industry awareness of the need for good data management and data access due to rapidly increasing data volumes, distributed databases and a mobile, global workforce. Part of the solution lies in consolidating the data into central databases and adopting viable and secure data quality control

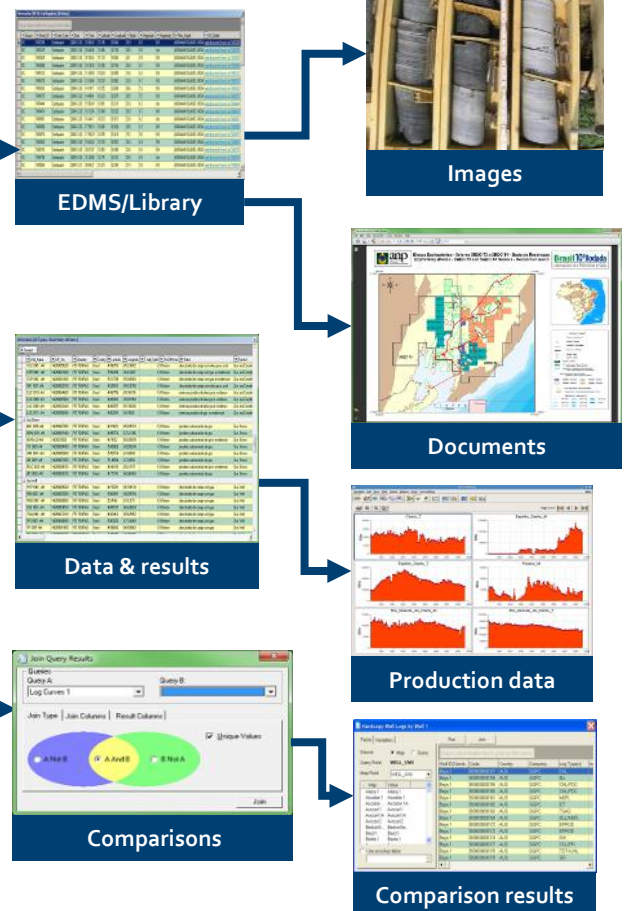
measures. In many client cases, however, departmental, commercial or straightforward practical requirements mean that there is still a need to maintain separate databases. With key data spread across your enterprise, how do you keep track of what data is stored, by whom and where?

GeoBrowse opens the window into the data domain. E&P professionals will benefit greatly from seeing what data their companies have stored and where it is stored. GeoBrowse allows them to do this without resorting to support from in-house specialists or needing to master complex data management systems. Combine this flexible GIS capability with the security and breadth of the Tigress database and you have a winning data management solution.

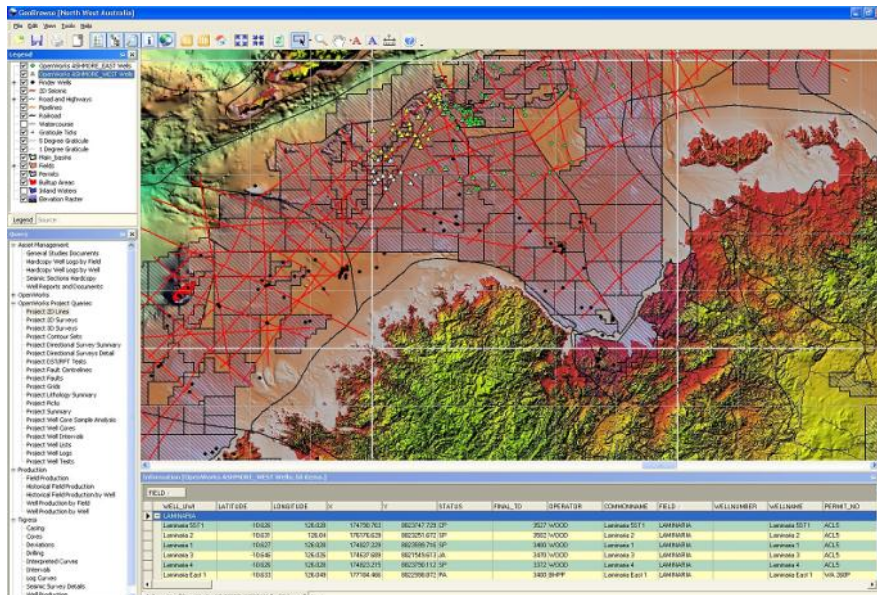
Find your data – easily!
Use map searches to track your assets across multiple databases and multiple platforms, and review the results immediately.

GeoBrowse is designed for multidisciplinary data access in a fast and effective manner.

GeoBrowse allows rapid access to data stored in multiple databases, providing a powerful quality control and audit environment and secure management of enterprise-wide data.



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GeoBrowse display showing cultural data for NW Australia offshore. Field and regional data selected from Tigress, Petrel and corporate data stores.

provides an extremely powerful corporate data management system.

GeoBrowse - Features overview

Map view

The GeoBrowse map lets you view data from many different databases simultaneously through a single map interface, allowing rapid data comparisons, querying and one-click access to hyper-linked documents and images. Features include:

- fully docking windows, which improves the usability of the map display
- flexible data source hierarchy, allowing customisable, drill-down architecture into spatial data sources
- results grids; for easy grouping, sorting and detailed analysis of results
- zoom and pan display options, with toggles to move between successive views.

The GeoBrowse advantage

GeoBrowse offers a powerful solution for browsing and searching across multiple databases. GeoBrowse is platform and vendor independent, so it can be used alongside your existing systems. The interface is intuitive, with map-based views to help users direct searches and queries. This makes it simple to use, with little training needed to master detailed, multiple database queries quickly.

The central map display automatically converts different data source projections to a common projection. This means you can select and compare key data promptly, even where data is stored in a variety of cartographic projections. You can identify location errors quickly and check spatial data for distribution, detail level and consistency.

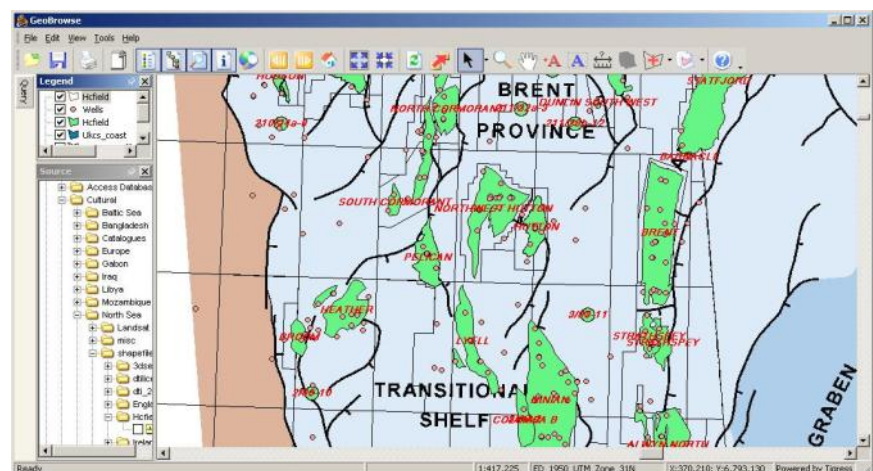
The displays are multi-layered and incorporate shapefiles and other spatially-referenced data, such as satellite images or maps, letting you build informative displays. The map views can be plotted, or used as a reference point for data

selection and data reporting. You can edit displays to maximise visual clarity and save multiple configurations and set-ups which you can retrieve rapidly with a single selection.

But GeoBrowse is much more than just a window on your data. It is the engine which defines and powers secure bulk data transfers of log, seismic and other key data from one data repository to another. When used in conjunction with the Tigress database, GeoBrowse

GeoBrowse can save multiple session files, so you can quickly and conveniently restore a specific display for repeat analysis. The map view can also be captured as a bitmap, JPEG or Windows metafile, or copied to the Windows Clipboard. In addition, you can export the current display as a cropped shapefile collection.

GeoBrowse queries are run live from the



The GeoBrowse GIS display integrates geo-referenced data in the map display. Here a regional structural map underlies the cultural data.



underlying databases, so your information is up to date at all times. In addition, the refresh function ensures that any recent changes made to underlying data will be added immediately to your map.

Data queries

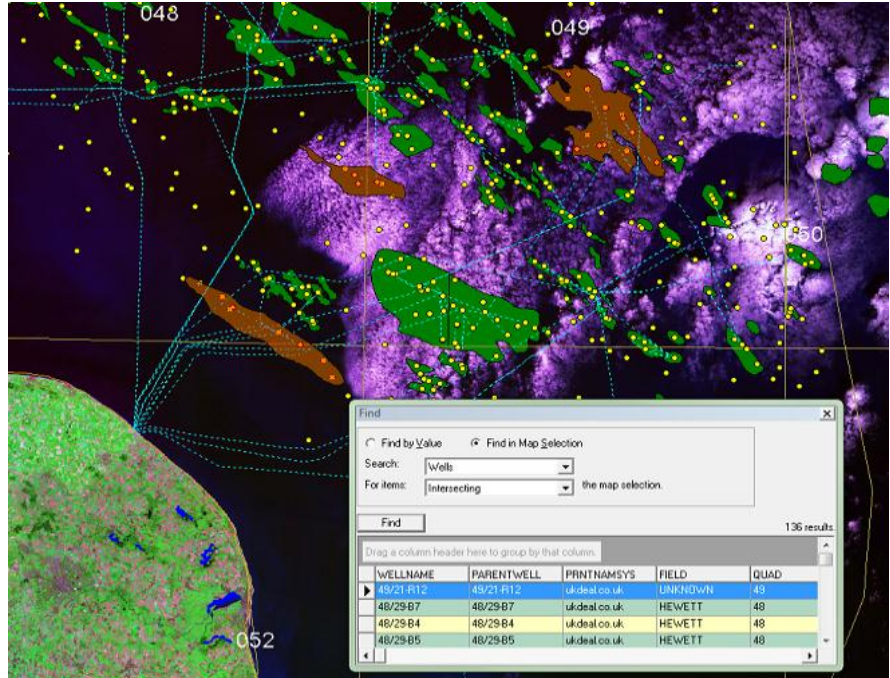
The GeoBrowse map display allows geologists, geophysicists, engineers and other professionals to rapidly query the company's databases from their desktops. GeoBrowse has pre-defined queries for widely used data sources including:

- Geotrace Tigress PDS
- SIS Finder & Geoframe
- SIS Petrel
- Landmark OpenWorks
- Landmark GeoGraphix
- Hayes OpenRSO
- IHS Energy Probe
- ESRI SDE
- Petrolog
- Petrosys
- SMT Kingdom
- LiveLink
- GIS and Image data

The GeoBrowse Administrator Tool provides easy data source connection and query writing tools to enable other data sources, such as Oracle, Access and Excel to be plugged into the GeoBrowse environment, so proprietary databases and web links can be added to the map view. The query tool supports a variety of types of queries:

- simple data queries to extract information on the selected data items, such as listing log curves in a well
- join queries, which are used to combine the results of two simple queries and can be useful for comparative analysis
- iterative queries, where the results from the first query are used to constrain a second query.

GeoBrowse does not need expensive third-party licences for implementing its searches and queries, which makes it a cost-effective solution that can be added to everyone's desktops.



Display showing fields, licences, pipelines, wells and platforms in this area. The configurable selections provide detailed reports on data availability and ranges.

Reports

The Reports function gives a clear tabular review of the data. This may be the metadata associated with a shapefile, or it may be the results of a detailed query on a database table or a set of tables. In all cases the query results are presented in configurable, tabular reports. Users can:

- move and expand columns for greater clarity
- sort the data
- Group or filter results by any field, and compress or expand groupings
- select data and highlight it on the map, or copy the data to the Windows Clipboard for transfer to Excel or other applications.

Editing

GeoBrowse allows users to customize how the data is presented. Users can edit new or existing shapefiles using interactive drag-and-drop techniques. Image files can be interactively geo-referenced, so they are correctly positioned in relation to other map objects, adding to the spatial information

of the map view. Collectively this offers a highly effective way of working, letting you superimpose your key data on regional maps and add geological, political and environmental context to your data.

Data transfer

GeoBrowse includes a powerful, bidirectional data transfer capability, for moving data between Tigress corporate databases and other data stores such as Petrel, Kingdom Suite and Petrosys projects.

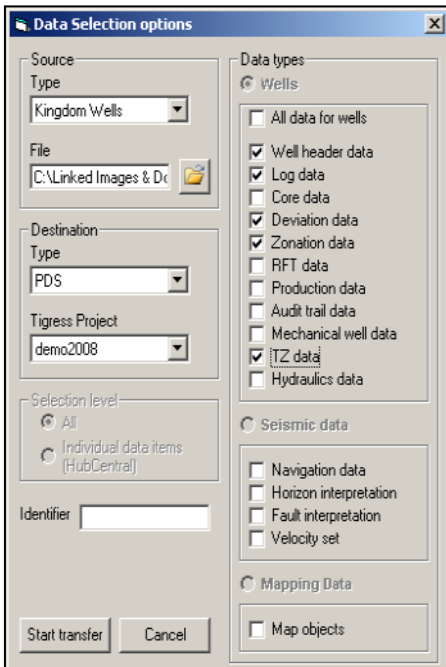
The bulk transfer capability covers well, seismic and other data types, ensuring that you can maintain a central, gold standard, corporate database, using the functionality and data breadth offered by the Tigress PDS database. Our latest synchronisation technology enables you to update this store with new or revised interpretations made by interpretation teams working across your organisation.



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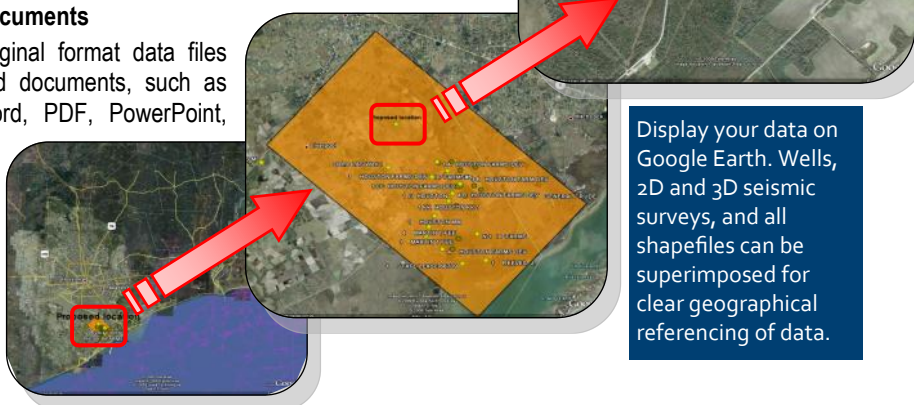
The data transfer capability allows for secure, audited bidirectional movement of data between corporate and project databases within your organisation

As new projects start up, or new interpreters come on board, it is easy to provide bulk transfers of key data in application-ready formats. Just use the GIS interface to select the up-to-date and audited data in your corporate database as the source material.

The transfer process is simple and an automatic audit trail shows what data was moved, and by whom. These audit trails let you keep a detailed record of any data movements, with dates, sources and destinations. We continue to add to the list of transfer options and the associated GeoBrowse administration tool allows users to further refine and define their own links if desired.

Documents

Original format data files and documents, such as Word, PDF, PowerPoint,



Excel and image files can be referenced in the Tigris database, with their location and availability clearly shown using the GIS display and reporting tool.

The references are stored as hyperlinks so that, where relevant, the document can be opened directly from the GeoBrowse selection. This offers immediate, enterprise-wide access to data such as well reports, daily production records, images and scanned logs.

Google Earth

GeoBrowse includes a KML (Keyhole Markup Language) export option, so that any map object displayed can be transferred to Google Earth and other 3D earth browser systems, such as ARC GIS Explorer and Microsoft Virtual Earth.

Geotrace Data Integration Services

GeoBrowse is a Tigris software product which is developed, supplied and supported by Geotrace Data Integration Services.

We provide advanced data management services and tightly integrated software interpretation applications to the oil and gas E&P industry. Our signature product is Tigris, The Integrated Geoscience and Reservoir Engineering Software System.

Continuously developed and refined since 1989, Tigris software offers the most tightly integrated asset management and data interpretation system available.

Features

- Access distributed databases from multiple vendors from a single window
- A common map projection for all spatial data displays
- Run live database queries - you see the content of your databases - in real time
- Transfer information from data store to data store via the map window
- Build new queries as your data portfolio grows
- Connects to Tigris, Finder, OpenWorks, GeoFrame, SMT, Petrolog and many more

Benefits

- Platform and vendor neutral
- See the data that you actually have and track any changes as they are made
- Does not require third party licences
- Allows different E&P disciplines to query data across the enterprise

For information on Tigris products contact Geotrace Data Integration Services:

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