



# FracSIS 5.0

a spatial database and 3D visualisation package  
**for exploration and mining**

***FracSIS combines a powerful object-oriented database specifically designed to store geological, geochemical and geophysical data with an interactive 3D visualisation environment.***

## **FracSIS BENEFITS**

The benefits of FracSIS's data integration can be seen across an entire organisation, from management to geologists to clients. As it stores both geological models and non-geological files, (e.g. Microsoft Word, PowerPoint, Excel and Adobe PDF documents) FracSIS databases are the perfect vehicle for project management, collaboration, and data distribution.

FracSIS includes a comprehensive global coordinate system knowledge base. You can even create your own coordinate systems for local grids. This allows users to assign relevant coordinate system information to their datasets. This means that data stored in disparate coordinate systems can be viewed in a common coordinate system and reprojected immediately into an entirely new coordinate system – without duplicating and transforming data.

Data and interpretations are always changing. Ensuring that data is up-to-date and accurate across multiple applications is a constant challenge. In FracSIS, changes are made in the central database, so everyone on the team has access to the latest data.

Fractal Technologies has created the FracSIS Application Programming Interface (API), which uses the Python scripting language to make data processing in FracSIS faster and easier. The Python API allows third party developers and system integrators to access and add value to data stored in a FracSIS database by customising business processes and workflows, or by integrating FracSIS with a variety of software applications.

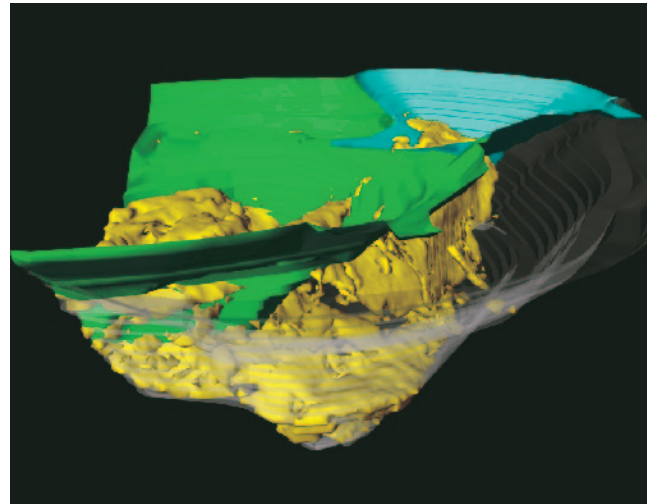
## **PRODUCT SUITE**

**FracSIS** is available in three editions: FracSIS Professional, Explorer, and Reader.

**FracSIS Professional:** A complete suite of data management and visualisation features to build collaborative, consolidated, 3D data project databases.

**FracSIS Explorer:** Incorporates the visualisation and data output abilities of FracSIS Professional, including movie creation, web export, and visual integration of 3D project data.

**FracSIS Reader:** A stand alone, visualisation-only environment designed for presentations and project delivery.



*FracSIS: three pit stages and orebody*

***"Everyone from Exploration Managers, site and office based Geologists and our Managing Director, use FracSIS to manage, view and discuss our projects. FracSIS is easy to learn and use. Plus it keeps all our professionals in touch with the reality of how the data is changing daily and where we can best focus our efforts."***  
Laurie Barnes, Resource Geologist, Exco Resources



## FracSIS TOOLS AND FEATURES

FracSIS includes many useful tools and features to enhance data interpretation and visualisation, including:

- CAD drawing tools
- animation creation and movie export
- attribute editing
- block model visualisation
- VRML web export
- document storage
- multiple coordinate system support
- data export to MapInfo, GXF, DXF, XMML & ASCII formats
- dip, azimuth and distance measurement tools
- image draping
- colour or size mapped from attributes
- cutting planes at any orientation
- saving and loading colour legends
- label and text annotation tools

## FracSIS Supports

acQuire  
 ArcView  
 Datamine  
 DataShed  
 DXF  
 EarthVision  
 ERMapper  
 Explorer  
 Finite Element Mesh  
 GemCom  
 GeoSoft  
 GoCAD  
 GXF  
 Leapfrog  
 MapInfo  
 Micromine  
 Minescape  
 Minesight  
 MS Access  
 SEG-Y  
 Surpac  
 Vulcan  
 Whittle  
 BMP, TIFF, JPG and  
 GEOTIFF images  
 Generic ASCII point  
 sets, line sets, and  
 drillholes

## FracSIS Comparison Chart

	PROFESSIONAL	EXPLORER	READER
database creation	✓		
data import	✓		
coordinate system creation	✓		
CAD tools	✓		
metadata creation & manipulation	✓		
data management tools	✓		
customisable python service framework	✓		
attribute editing	✓		
web export (VRML)	✓	✓	
movie creation	✓	✓	
network licensing	✓	✓	
multi-user support	✓	✓	
image output	✓	✓	
data export	✓	✓	✓
volume visualisation	✓	✓	✓
block model visualisation	✓	✓	✓
coordinate system knowledge base	✓	✓	✓
markers	✓	✓	✓
survey tools	✓	✓	✓
section tools	✓	✓	✓
texture mapping	✓	✓	✓

