

Unearth information efficiently

Metals and mining companies must find ways to operate more effectively and efficiently if they are going to remain competitive and profitable.

Geofacets doubles research efficiency, reduces risk and ensures companies spend smart.





The challenge of the unknown

For geoscientists and team leaders working in the metals and mining industry, the concepts of risk and uncertainty are everyday occurrences. Determining whether an economically viable mineral deposit exists beneath the subsurface is not an exact science and requires answers to challenging research questions. Whether exploring greenfields or brownfields, companies face huge economic risks when a project is not fully researched and vetted during the prospecting process. The biggest risk of all, however, is not having the right information at all or easily accessible—and that is more often the case than not.

Even when valuable information, such as scientific literature, maps and seismic data, is available, it's often buried in the literature, rendering it too time-consuming to draw conclusions from. The exploration geoscientist's work is integral to the bottom line, yet their time and research is often hampered by the lack of easily accessible, relevant information. When geoscientists spend too much time searching for information rather than analyzing it, projects delay and fail. In a tough economic environment, in a volatile industry, it's even more critical that exploration plays and assets are optimized.

Geoscientists working in Metals & Mineral Exploration address questions such as:

- Are there mineral deposits / resources / reserves?
- What are the geochemical, geophysical and geological properties of the deposit?
- What is the geometry of the deposit?
- Can we get to it and what is the best method of extraction?
- At what cost?





Help your exploration teams manage through risk and uncertainty.

Geofacets: Empowering Geoscience professionals and researchers to make more informed and confident decisions

Geofacets cuts research time by up to 50% and enables entire exploration and development teams to gain a deeper understanding of brownfields and greenfields quickly.

Using Geofacets reduces risk, leads to better investment decisions and improves the ability to quickly react to opportunities in a competitive environment.



Essential knowledge

Vast, vetted database of geoscience information and data sourced from scientific publications.



Easy discovery

Spatially-smart search targeting, delivering results up to 50% faster than traditional methods.




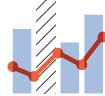





Seamless integration

Actionable content can be fed directly into ArcGIS, Petrel, Excel and more for further analysis and interpretation.

Essential knowledge

Geofacets offers over 2 million maps, figures, and tables sourced from esteemed scientific publications. A read-only PDF of every source article is included for added context.

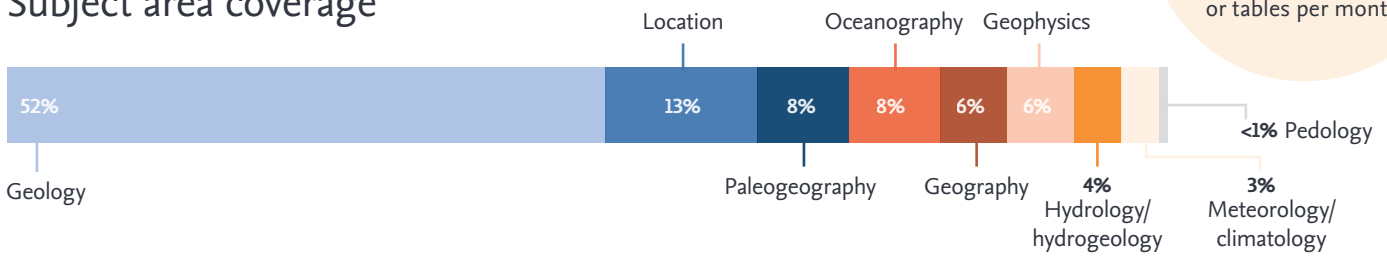
2 million+
maps, figures, and tables

						
Maps	Plots/graphs	Tables	Photos	Stratigraphic columns wells/cores	Sections/profiles	Other figures
830,000+	450,000+	280,000+	160,000+	93,000+	110,000+	100,000+

Americas	Europe, Middle East, Africa	Asia Pacific	World, Ocean and Polar
Maps: 240,000+	Maps: 280,000+	Maps: 185,000+	Maps: 125,000+
Georeferenced maps: 190,000+	Georeferenced maps: 220,000+	Georeferenced maps: 150,000+	Georeferenced maps: 75,000+
Shapefiles: 1,000+	Shapefiles: 400+	Shapefiles: 400+	Shapefiles: —
Plots/graphs: 125,000+	Plots/graphs: 170,000+	Plots/graphs: 140,000+	Plots/graphs: 60,000+
Tables: 70,000+	Tables: 105,000+	Tables: 80,000+	Tables: 28,000+
Photos: 49,000+	Photos: 71,000+	Photos: 49,000+	Photos: 9,900+
Stratigraphic columns/wells/cores: 26,000+	Stratigraphic columns/wells/cores: 43,000+	Stratigraphic columns/wells/cores: 23,000+	Stratigraphic columns/wells/cores: 7,700+
Sections/profiles: 32,000+	Sections/profiles: 49,000+	Sections/profiles: 28,000+	Sections/profiles: 10,000+
Other figures: 21,000+	Other figures: 34,000+	Other figures: 25,000+	Other figures: 7,700+

Geofacets adds
10,000+
maps, figures, and/or tables per month

Subject area coverage

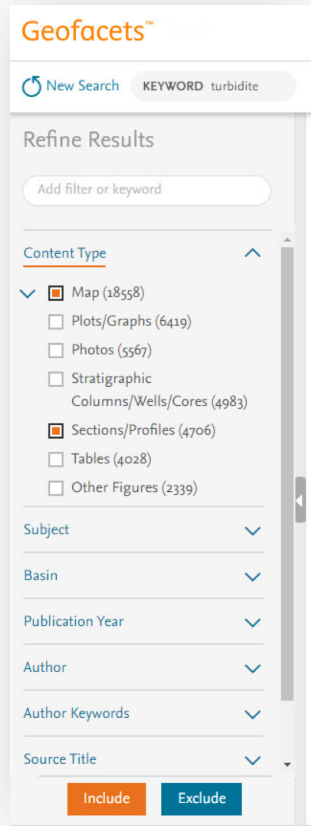


*Figures and tables are sourced from 1995–present content.
 **Subject area coverage graphic reflects the percentage of content tagged with that particular subject tag out of the total number of subject tags.
 ***SPE content will be added to Geofacets in phases, beginning December 2019

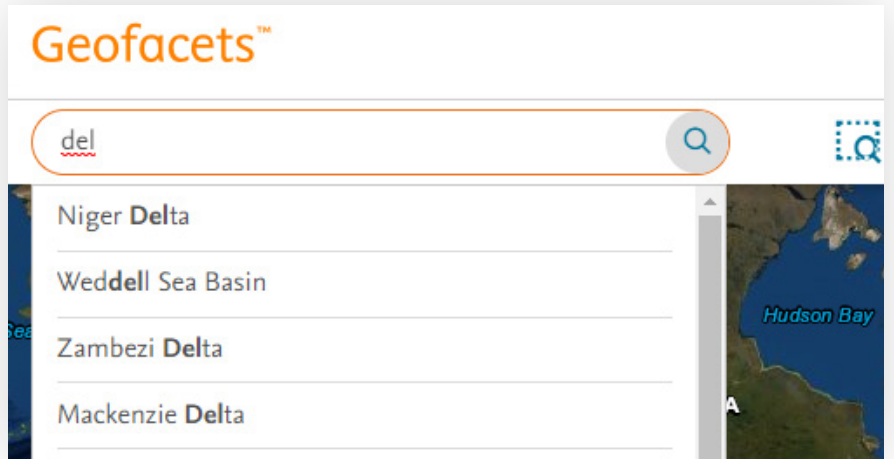
Easy discovery

Geofacets ensures a modern, efficient approach to information and data searching. Location-based search capabilities and advanced refinement options efficiently drill down broad searches into relevant, easy-to-access results.

Refine results

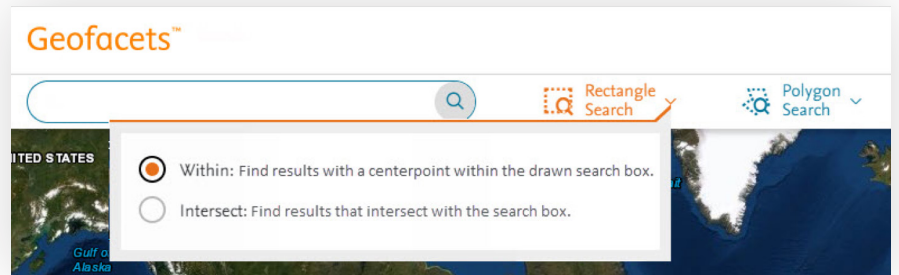


Keyword search



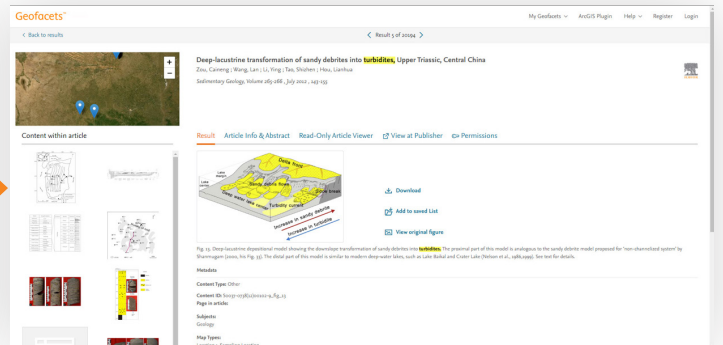
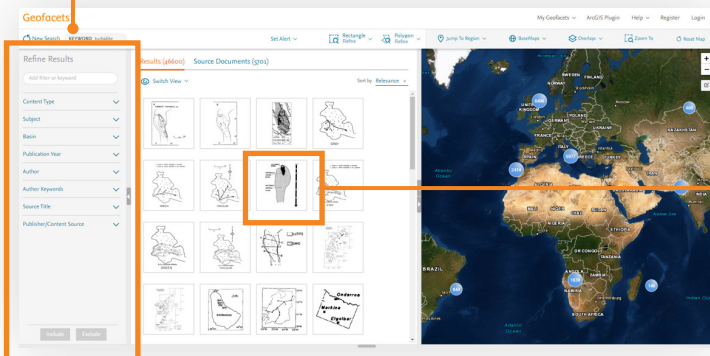
OR

Spatial search



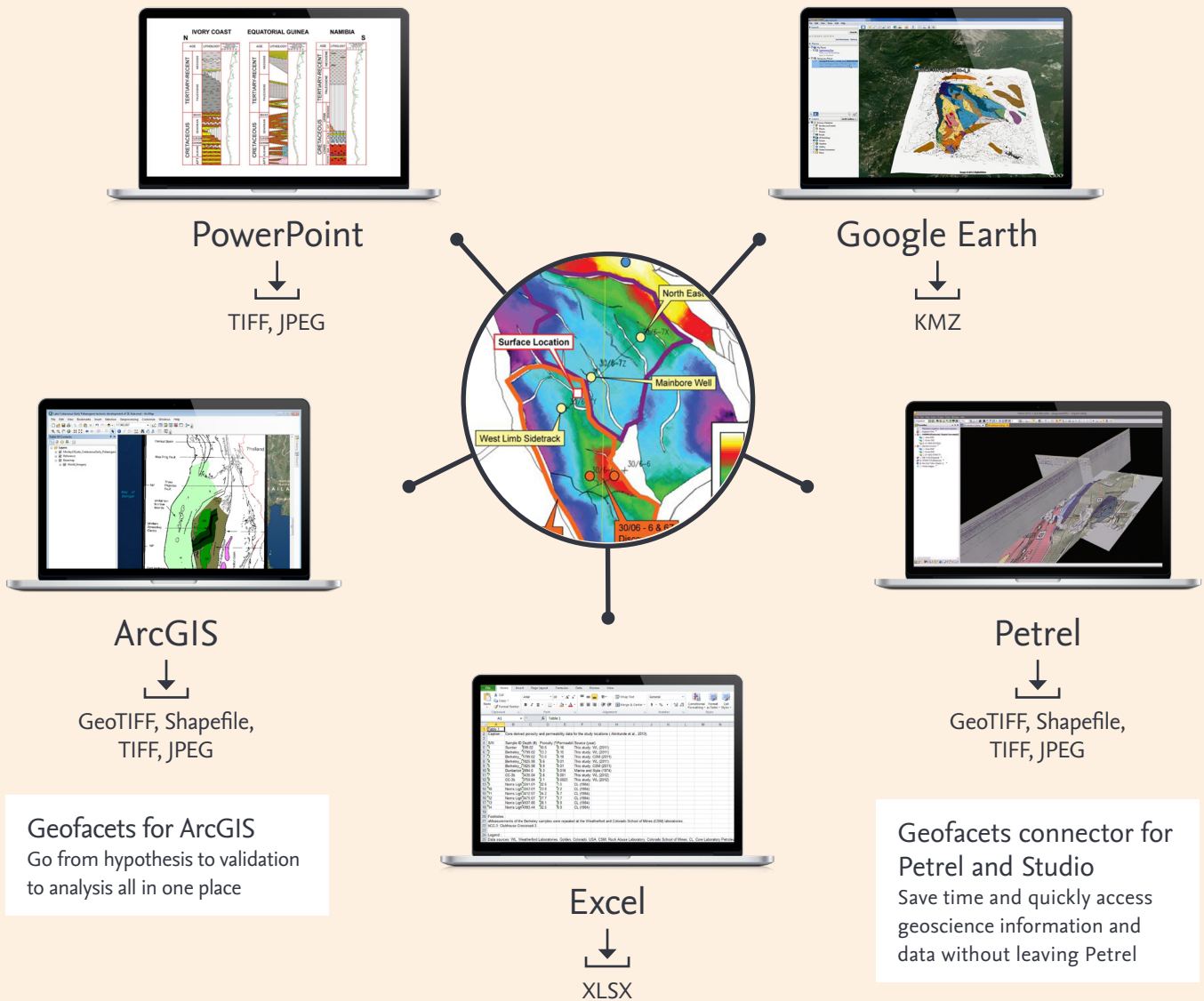
Results display via clusters and thumbnails

Access detail window with content details, links to source articles, download options, and more



Seamless integration

Geofacets makes geoscience information and data actionable. Geoscientists can integrate content into essential workflow tools like ArcGIS and Petrel to help build subsurface models. They can also compare proprietary models to published information and vice-versa, characterize a geologic basin, and more. References can be exported to reference management software.



TIFF and JPEG files may require further formatting before using in ArcGIS and Petrel

Filling in knowledge gaps

“If you are in the beginning of the exploration phase in an area, you are often struggling to the data and maps, and you need to find them quickly. This is the time that Geofacets can help a lot, more than other sources.”

—Mohammed Fallah, OMV Exploration & Production GmbH

Increasing efficiency

“{Using Geofacets}, the company was able to complete a global evaluation that would have taken at least a year—in under six months.”

—Geophysicist, Oil & Gas Company

Decreasing risk

“Geofacets is an efficient tool for finding play analogs that ultimately help decrease exploration risk”.

—Jonathan Church, OMV Exploration & Production GmbH

Making wiser investment decisions

“{Using Geofacets} we now further understand the range of the possible scenarios for the asset and have more precisely determined our boundaries.”

—Geologist, Oil & Gas Company

Increasing efficiency

“Geofacets helps me to maximize the short amount of time that I have in preparing for and participating in data rooms.”

—Jonathan Church, OMV Exploration & Production GmbH



Geofacets

Geofacets helps companies prioritize opportunities, optimize resources and manage risk. Geofacets helps cut research time in half with a vast, vetted library of maps, figures and tables combined with powerful location-based search. Whether georeferencing maps or structuring tabular data, Geofacets formats content so it's easier to integrate and analyze.

For more information about Geofacets,
visit elsevier.com/solutions/geofacets

Elsevier offices

ASIA AND AUSTRALIA

Tel: + 65 6349 0222

JAPAN

Tel: + 81 3 5561 5034

KOREA AND TAIWAN

Tel: +82 2 6714 3000

EUROPE, MIDDLE EAST AND AFRICA

Tel: +31 20 485 3767

NORTH AMERICA, CENTRAL AMERICA AND CANADA

Tel: +1 888 615 4500

SOUTH AMERICA

Tel: +55 21 3970 9300

