

Geofacets™

Maps and tables are actionable and can be integrated into analysis tools



ELSEVIER

## Help your exploration teams manage through risk and uncertainty.

### WHY GEOFACETS

- **Support exploration decisions with trusted geologic data:** From general geology to specialized subject areas, Geofacets contains a diversified set of downloadable scientific maps and tables that can help geoscientists characterize a region or basin, provide scientific backup for prioritizing exploration prospects, and keep internal knowledge about a strategic area of interest up-to-date.
- **Save time and increase team productivity:** Geofacets offers hundreds of thousands of easily discoverable and georeferenced scientific maps and tables aggregated from across trusted geoscience publications so that geoscientists avoid manual searches and georeferencing work.

### THE IMPOSSIBLE PUZZLE

Even in a difficult market, oil and gas companies are pressured to unlock opportunities and continuously rejuvenate play knowledge and exploration portfolios. Risk and uncertainty are everyday concepts for exploration teams who must solve a difficult puzzle: Find viable resources hundreds of feet beneath the Earth's surface and select the best prospects and plays to pursue in a highly competitive and volatile market.

The work of the geoscientist is central to helping business leaders make revenue-impacting decisions with partial information. Geoscientists require data to anticipate the geology of strategically important prospects or assets, among other critical inputs. Yet, their work is often slowed and hampered by the lack of available relevant information that they can easily integrate and use to enhance their analyses.

### A SOLUTION THAT MAKES EXPLORATION MORE SEAMLESS

Geofacets empowers geoscientists with an innovative, spatially-designed platform combined with hundreds of thousands of scientific maps and tables sourced from geoscience publications. With Geofacets, users quickly discover downloadable, georeferenced maps and tables curated from trusted publications – helping exploration teams make more informed decisions, mitigate risk, and increase productivity. Geofacets offers:

- **Essential knowledge** – Hundreds of thousands of scientific maps and tables sourced from esteemed geoscience publications
- **Easy discovery of maps and associated tables** – Intuitive search and discovery features help geoscientists find critical information quickly
- **Seamless workflow integrations** – Maps and tables are actionable and can be integrated into analysis tools

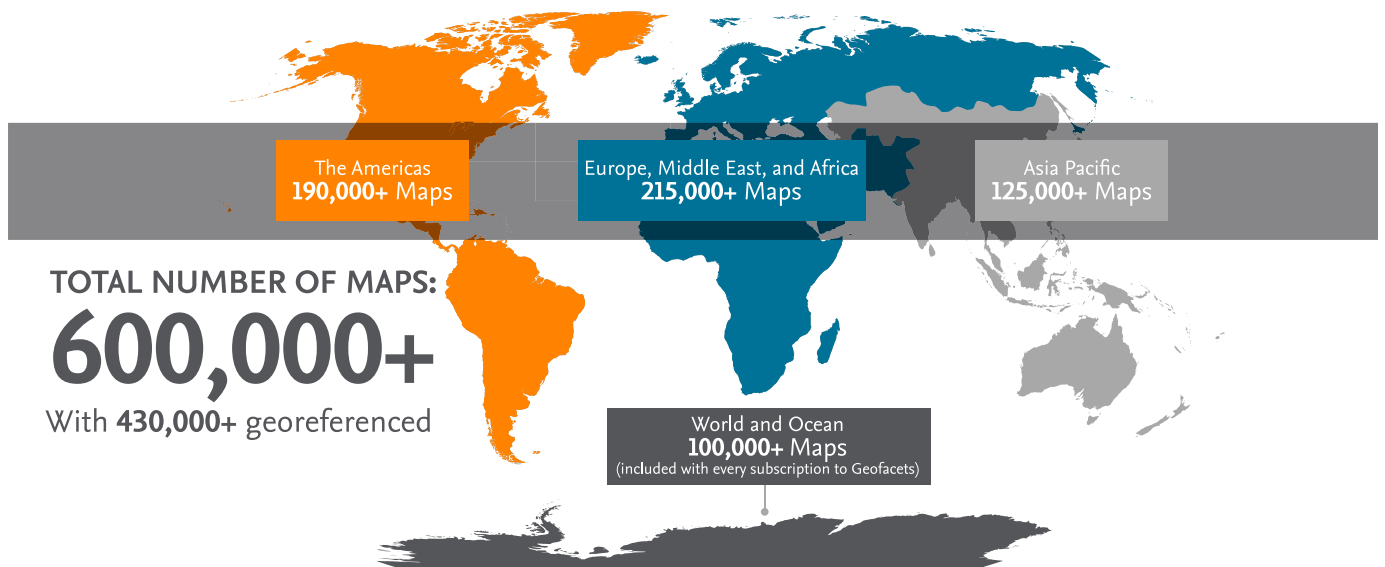


## ESSENTIAL KNOWLEDGE FOR EXPLORATION AND DEVELOPMENT

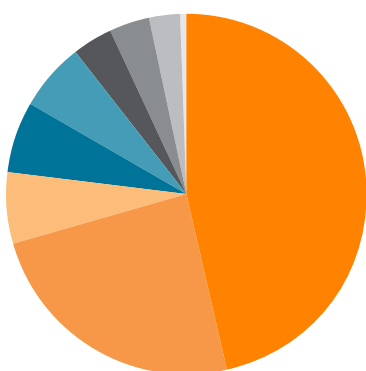
Geofacets extracts scientific maps and tables from vital geoscience publications, like *Marine and Petroleum Geology*, and aggregates them into our vast database. Geoscientists use Geofacets' content to understand the geologic characteristics of an area, enhance analyses and interpretations, and integrate proprietary data with published information.

- Over 600,000+ scientific maps and 160,000+ tables sourced from esteemed geoscience publications
- Content carefully curated for exploration geoscientists
- Multi-disciplinary and diverse content from general geology to specialized geoscience subject areas
- Read-only PDF of every source article included for added context
- Link to original source also included for full-rights access to source article

## MAP COVERAGE



## Map Subject Area Coverage



425,000+	Geology
220,000+	Location
58,000+	Geophysics
58,000+	Oceanography
55,000+	Paleogeography
34,000+	Meteorology / Climatology
33,000+	Geography
25,000+	Hydrology / Hydrogeology
4,000+	Pedology

**Geofacets adds  
3,000+  
maps every month**

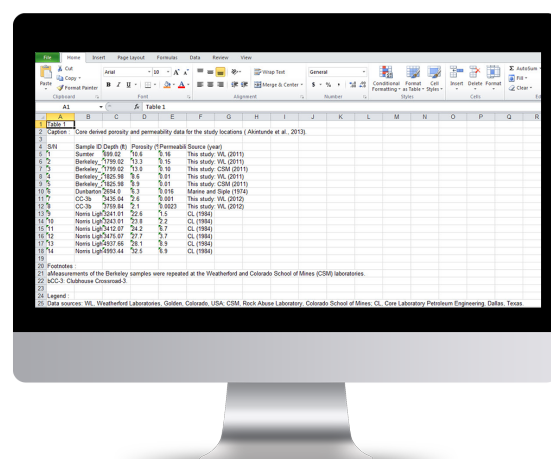
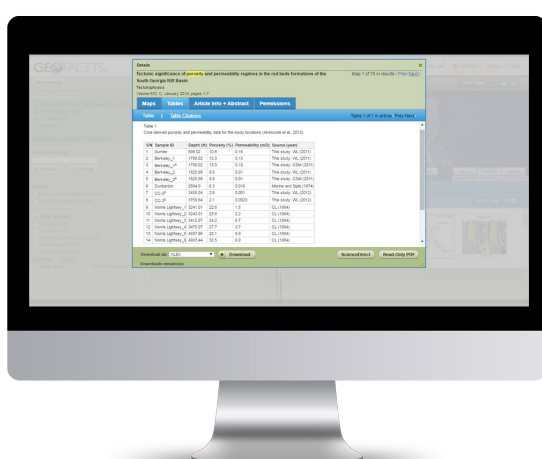


## MORE SOURCES OF GEOSCIENCE INFORMATION AND DATA TO ACCELERATE BOTH EXPLORATION AND DEVELOPMENT

As geoscientists evaluate an area's potential for a natural resource, multiple types of information are required to make an accurate assessment. Exploration and development team members, representing several disciplines, need to provide input into these high-stakes, multi-million dollar assessments.

**Geofacets now contains tables sourced from several geoscience publishers, which can help:**

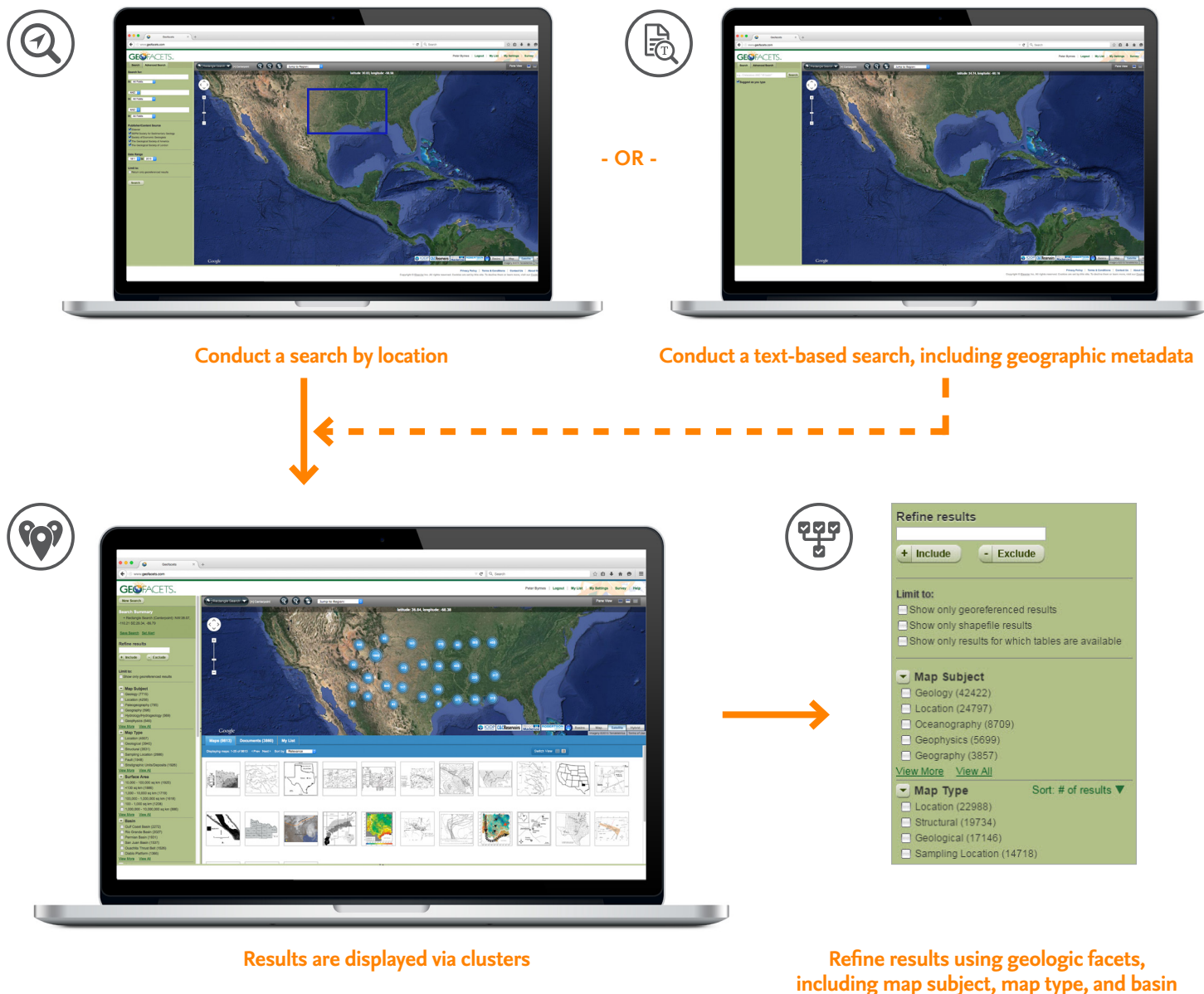
- Increase confidence in the information and data found in Geofacets' maps with the backing of table data to get a better representative picture of the surface and subsurface
- Provide scientific backup for parameters that go into assessments, interpretations, and models
- De-risk and make more informed decisions by evaluating the characteristics (e.g. geochemical, geophysical, and sedimentological) of a geological entity (e.g. rock type, reservoir, basin)
- Save time formatting data and integrating information (up to 50%)



**Tables are downloadable and can be integrated into spreadsheet software or can be further integrated into GIS software (e.g., if coordinates are available in the table or in the associated maps)**

## EASY DISCOVERY OF MAPS AND ASSOCIATED TABLES

With Geofacets, geoscientists search for maps and associated tables in the way they think—spatially. Discover worldwide and regional content on an interactive map-based interface that makes searching seamless.

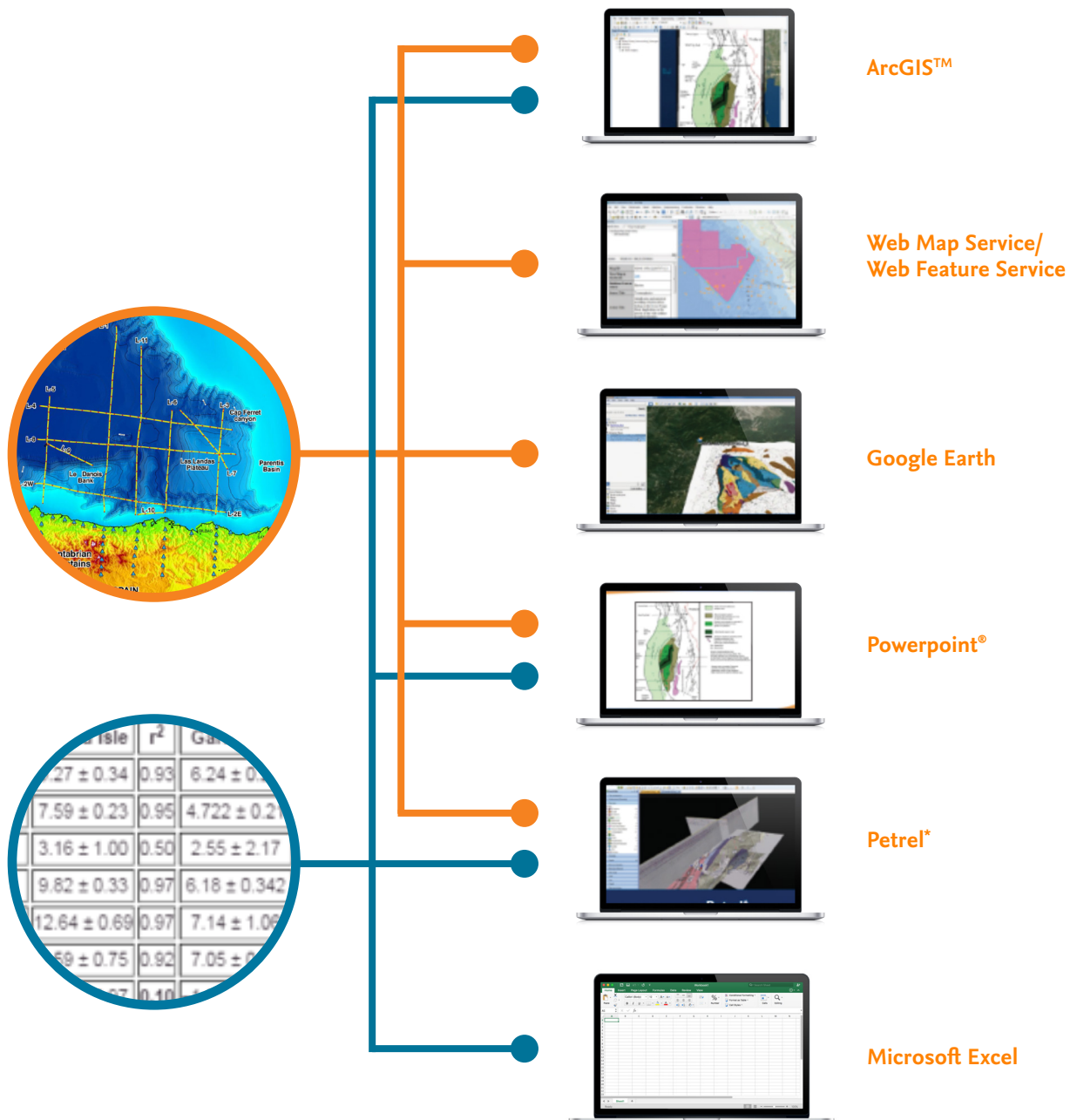


“If you are in the beginning of the exploration phase in an area, you are often struggling to find data and maps, and you need to find them quickly. This is the time that Geofacets can help a lot, more than other sources.”

– Exploration Geoscientist, Integrated Oil Company

## SEAMLESS WORKFLOW INTEGRATIONS

Maps and tables are downloadable into multiple file formats and can be seamlessly integrated into essential analysis tools:



Tables are downloadable and can be integrated into spreadsheet software or can be further integrated into GIS software (e.g., if coordinates are available in the table or in the associated maps)

\*Petrel is a trademark of Schlumberger

“Finding maps is downright easy with Geofacets, I found relevant maps from obscure publications with non-obvious article titles.”

– Technical Manager, Global Energy Company

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Geofacets is used by geoscience professionals across the exploration workflow.



#### EXPLORATION TEAM MANAGERS

Managers need to ensure their team’s analyses are thorough and that projects are completed on time. With content from trusted publishers and intuitive time-saving features, Geofacets enables exploration teams to justify their geologic recommendations and increase their productivity.

##### Use Geofacets to:

- Equip geoscientists with the latest scientific maps and tables for deeper analyses and recommendations
- Increase organizational knowledge base on a geologic subject area or location



#### GEOSCIENTISTS IN NATURAL RESOURCE EXPLORATION

Geoscientists from leading oil and gas companies around the world use Geofacets for assessing risk in exploration decisions and gaining insights for deeper analyses and recommendations.

##### Use Geofacets to:

- Characterize a basin or geographic area’s geology
- Enhance analyses, interpretations, and recommendations with maps and associated tables



#### GIS AND INFORMATION SPECIALISTS

With downloadable and georeferenced map image files, specialized metadata and search filters, and individual maps and tables accompanied by source article abstracts and links, Geofacets helps information and data experts discover relevant information fast.

##### Use Geofacets to:

- Gain access to maps and tables from geoscience publications while conducting in-depth research on specific locations and topics
- Efficiently discover and integrate georeferenced maps with proprietary geospatial information



GEOFACETS SOURCES MAPS AND TABLES FROM ESSENTIAL GEOSCIENCE PUBLICATIONS AND WORKS WITH SEVERAL ESTEEMED PUBLISHERS

Elsevier is the world's leading provider of academic information, serving more than 30 million professionals worldwide. For over 40 years, Elsevier has provided the upstream oil & gas industry with trusted content from our books and journals, and innovative research tools like Geofacets.

Applied Geochemistry	1986 – present
Chemical Geology	1988 – present
Chemie der Erde–Geochemistry	2002 – present
Cretaceous Research	1980 – present
Earth and Planetary Science Letters	1990 – present
Earth Science Frontiers	2007 – 2009
Earth Science Reviews	1990 – present
Geochimica et Cosmochimica Acta	1990 – present
Geodinamica Acta	1998 – 2003
Global and Planetary Change	1989 – present
Gondwana Research	1997 – present
International Journal of Coal Geology	1980 – present
Journal of African Earth Sciences	1983 – present
Journal of Asian Earth Sciences	1997 – present
Journal of South East Asian Earth Sciences	1986 – 1996
Journal of Geochemical Exploration	1972 – present
Journal of Geodynamics	1984 – present
Journal of Petroleum Science and Engineering	1987 – present
Journal of South American Earth Sciences	1988 – present
Journal of Structural Geology	1979 – present
Journal of Unconventional Oil and Gas Resources	2013 – present
Journal of Volcanology and Geothermal Research	2000 – present
Lithos	1997 – present
Marine and Petroleum Geology	1984 – present
Marine Geology	1964 – present
Marine Micropaleontology	1976 – present
Ore Geology Reviews	1986 – present
Organic Geochemistry	1977 – present
Palaeogeography, Palaeoclimatology, Palaeoecology	1993 – present
Palaeoworld	2006 – present
Petroleum Exploration and Development	2008 – present
Precambrian Research	1974 – present
Russian Geology and Geophysics	2007 – present
Sedimentary Geology	1967 – present
Tectonophysics	1964 – present



The Geological Society of London Lyell Collection, one of the largest integrated collections of earth science literature, delivers a wealth of knowledge from the complete collection of GSL's journals, special publications, and book series, and covers subject areas such as exploration geology, geophysics, geochemistry, and petrophysics. Scientific insights derived from this research can be applied to the exploration of conventional and unconventional oil and gas resources.

Engineering Geology Special Publications	1985 – present
Geochemistry: Exploration, Environment, Analysis	2001 – present
Journal of Micropaleontology	1982 – present
Journal of the Geological Society	1845 – present
Memoirs*	1958 – present
Petroleum Geology Conference Series*	1993 – present
Petroleum Geoscience	1995 – present
Proceedings of the Yorkshire Geological Society	1839 – present
Quarterly Journal of Engineering Geology and Hydrogeology	1967 – present
Scottish Journal of Geology	1965 – present
Special Publications	1964 – present
Transactions of the Geological Society of London*	1811 – 1856



Society for Sedimentary Geology is an international not-for-profit society dedicated to the dissemination of scientific information on sedimentology, stratigraphy, paleontology, and many related specialties. The society has a long tradition of publishing papers that become benchmark contributions to sedimentary geology. With top technical journals and book series, including the Journal of Sedimentary Research and PALAIOS, SEPM is a definitive source of essential scientific insights for the exploration of conventional and unconventional oil and gas resources.

Core Workshop Notes	1980 – present
Journal of Sedimentary Research	1931 – present
PALAIOS	1986 – present
Special Publications	1929 – present



Society of Economic Geologists is an international organization committed to advancing the science and the discovery of mineral resources. The Society's market-leading journal Economic Geology is widely recognized as the authoritative reference on ore deposit geology. Its content is particularly useful to researchers attempting to better understand geological processes, decision-makers attempting to assess mineral resource potential of areas, and explorationists attempting to discover new ore bodies.

Economic Geology	1905 – present
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Economic Geology contains the results of basic and applied research focused on the geology and genesis of ore deposits from throughout the world. Papers specifically include the most up-to-date geological maps of world-class ore deposits, and information regarding their tectonic setting, geological history, age of ore formation, mineralogy, hydrothermal alteration, geochemistry, structural geology, exploration guidelines, and processes of formation.



Founded in 1930, the Society of Exploration Geophysicists is a not-for-profit organization committed to connecting and inspiring the people and science of geophysics. With 30,000+ members in 138 countries, SEG provides educational resources to the geosciences community through publications, books, events, forums, professional development courses, and more. Visit [www.seg.org](http://www.seg.org).

Geophysics	2000 – present
Interpretation	2000 – present
The Leading Edge	2000 – present



American Geophysical Union is an international scientific society of nearly 60,000 members representing 139 countries. AGU provides a collaborative and engaging forum for the Earth and space science community online and through scholarly journals, books, meetings, career services, education and student programs, and science policy resources. Learn more at [www.agu.org](http://www.agu.org)

Journal of Advances in Modeling Earth Systems	2000 – present
Geochemistry, Geophysics, Geosystems	2000 – present
Geophysical Research Letters	2000 – present
Journal of Geophysical Research: Biogeosciences	2000 – present
Journal of Geophysical Research: Earth Surface	2000 – present
Paleoceanography	2000 – present
Reviews of Geophysics	2000 – present
Tectonics	2000 – present



For 125 years, the Geological Society of America has delivered trusted scientific findings through its journals and publications, including market-leading *Geology* and the acclaimed *Decade of North American Geology* book series. Its authoritative collection of geoscience research provides valuable insights that can be directly applied to the exploration of conventional and unconventional oil and gas resources.

Decade of North American Geology Book Series*	1982 – 2005
<i>Geology</i>	1973 – present
<i>Geosphere</i>	2005 – present
<i>GSA Bulletin</i>	1890 – present
<i>GSA Field Guides</i>	1999 – present
<i>GSA Memoirs</i>	1934 – present
<i>GSA Reviews in Engineering Geology</i> *	1962 – present
<i>GSA Special Papers</i>	1934 – present
<i>Lithosphere</i>	2009 – present



Wiley publishes on behalf of more societies and professional associations than any other publisher and is committed to supporting the geoscience community. With an extensive portfolio in Earth and environmental sciences, Wiley's content contains a wealth of important maps and data for natural resource exploration geoscientists.

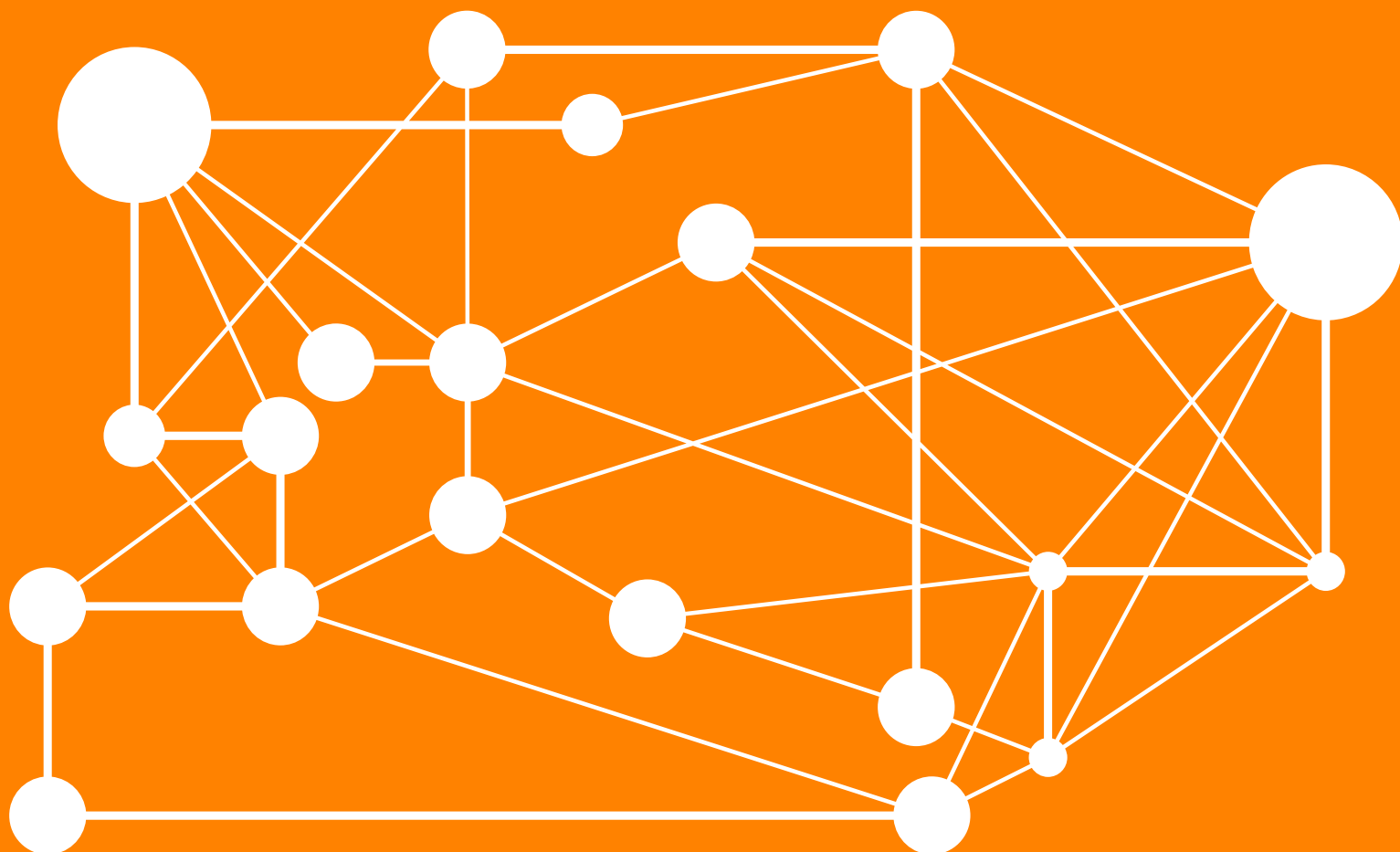
<i>Acta Geologica Sinica – English Edition</i>	2000 – present
<i>Basin Research</i>	1988 – present
<i>Boreas</i>	2000 – present
<i>Earth Surface Processes and Landforms</i>	2000 – present
<i>Geobiology</i>	2000 – present
<i>Geofluids</i>	2000 – present
<i>Geological Journal</i>	1951 – present
<i>Geophysical Prospecting</i>	1953 – present
<i>Island Arc</i>	2000 – present
<i>Journal of Metamorphic Geology</i>	2000 – present
<i>Journal of Petroleum Geology</i>	1978 – present
<i>Lethaia</i>	2000 – present
<i>Palaeontology</i>	2000 – present
<i>Resource Geology</i>	1998 – present
<i>Sedimentology</i>	1962 – present
<i>Terra Nova</i>	1989 – present

\*This is an intermittent publication series. Not every year has a published volume.

**Publication dates listed are for map content only. Table content is sourced from select journal publications for select publication dates.**

## GET STARTED

To learn more about how Geofacets can help position your company for success in Natural Resource Exploration, contact your Elsevier sales representative or request for more information or a product demonstration by visiting [\*\*elsevier.com/Geofacets\*\*](https://elsevier.com/Geofacets)



## LEARN MORE

To request information or a product demonstration, please visit [elsevier.com/geofacets](http://elsevier.com/geofacets) or email us at [geofacets@elsevier.com](mailto:geofacets@elsevier.com).

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