



Australian Government

Geoscience Australia

Australia's Energy Commodity Resources 2021

<https://www.ga.gov.au/digital-publication/aecr2021/home>

Geoscience Australia's inaugural Australia's Energy Commodity Resources (AECR) 2021 estimates Australia's energy commodity reserves and resources as at the end of 2019. It also provides a pre-COVID-19 baseline for the production and remaining recoverable resources of gas, oil, coal, uranium and thorium in Australia.

Australia's Energy and Minerals Investors Guide 2020

<http://www.ga.gov.au/digital-publication/aimr2020>

Geoscience Australia has developed the Australia's Energy and Mineral Resources Investor Guide as a one stop guide for information to assist in investing in Australia's energy and minerals resources.

Exploring for the Future – Data Portal

<https://www.ga.gov.au/eff>

Geoscience Australia's Data Discovery Portal provides free access to new geoscience data and tools acquired and developed during the Exploring for the Future program. The program investigated the minerals, energy and groundwater resource potential in northern Australia and parts of South Australia.

Prospective Hydrogen Production Regions of Australia

<https://www.ga.gov.au/scientific-topics/energy/resources/hydrogen>

A detailed national-scale spatial analysis of Australia's hydrogen production potential.

2021 Offshore Petroleum Exploration Acreage Release

<https://www.industry.gov.au/news/2021-offshore-petroleum-exploration-acreage-release-now-open>

The annual offshore acreage release offers the petroleum industry a variety of investment opportunities. For information on 2021 areas, policies, initiatives, regulations, standards, funding and incentives.

2021 Offshore Petroleum Exploration Acreage Release Australia map

<https://www.ga.gov.au/scientific-topics/energy/province-sedimentary-basin-geology/petroleum/acreagerelease/subbasins>

Download a map of the Offshore Petroleum Exploration Acreage Release: Australia 2021.

Acreage Release Portal

Petroleum Geology of Offshore Basins

<https://www.ga.gov.au/scientific-topics/energy/province-sedimentary-basin-geology/petroleum/acreagerelease>

A comprehensive regional petroleum geological overview of Australia's offshore hydrocarbon provinces. Selected chapters are regularly updated in support of the Government's current annual offshore acreage release.

National Offshore Petroleum Information Management System

<https://www.ga.gov.au/nopims>

Geoscience Australia has developed the National Offshore Petroleum Information Management System (NOPIIMS) which is an online data discovery system for all Australian offshore petroleum wells and seismic surveys.

Source Rock and Fluids Atlas

<https://www.ga.gov.au/eftf>

The Source Rock and Fluids Atlas delivery and publication services provide up-to-date information on petroleum (organic) geochemical and geological data from Geoscience Australia's Organic Geochemistry Database (ORGCHRM) discoverable through the data portal.

Basin Inventories

Petroleum geology inventory of Australia's offshore frontier basins

<https://ecat.ga.gov.au/geonetwork/srv/eng/catalog.search#/metadata/79058>

This Record presents a comprehensive inventory of the geology, petroleum systems, exploration status and data coverage for 35 frontier basins, sub-basins and provinces. The information provided draws on the results of various pre-competitive data programs, as well as exploration results and the geoscience literature. The Record also provides an assessment of the critical science and exploration questions and issues for each area.

Onshore Basin Inventory: the McArthur, South Nicholson, Georgina, Amadeus, Warburton, Wiso, Galilee and Cooper basins

<https://ecat.ga.gov.au/geonetwork/srv/eng/catalog.search#/metadata/84587>

This record provides a comprehensive whole of basin inventory of the geology, petroleum systems, exploration status and data coverage for these eight onshore Australian basins. It draws on precompetitive work programs by Geoscience Australia as well as publically available exploration results and geoscience literature. Furthermore, the record provides an assessment of issues and unanswered questions and recommends future work directions to meet these unknowns.

Onshore Basin Inventory Volume 2: The Canning, Perth and Officer basins

<https://ecat.ga.gov.au/geonetwork/srv/eng/catalog.search#/metadata/121557>

This publication provides a comprehensive assessment of the geology, petroleum systems, exploration status and data coverage for three basins in western and central Australia: the Canning, Perth and Officer basins. The Perth and Canning basins are producing petroleum basins, however, they may be regarded as frontier basins for unconventional hydrocarbon resources. The Officer Basin is a large, unproven frontier basin which has seen little exploration to date.