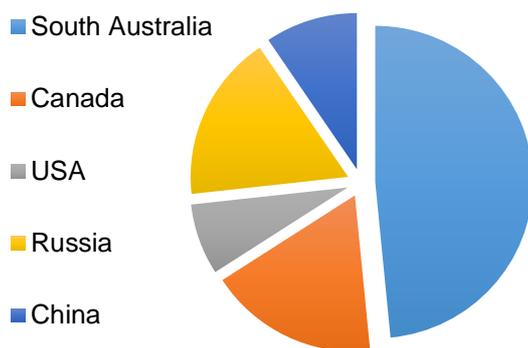


**South Australia hosts the world's most abundant uranium reserves,
but how much does it produce?**

South Australia's Olympic Dam uranium deposit is the largest in the world, and other major sites are also contained in this state. South Australia has around 25% of the world's uranium resources and produces 9% of the world's mined uranium.

How does South Australia compare to other global reserves of uranium?

There is no other region in the world with the same abundance of uranium as South Australia (see figure below):



As a percentage of world share, the combined total of uranium reserves in Canada (9%), USA (3.8%), Russia (8.9%) and China (4.9%) are around the same as those in South Australia (25%).

Where are South Australia's uranium mines?

Deposits are mined at Olympic Dam, Beverly, Four Mile and Honeymoon, and investigations are underway in the Cariewerloo Basin. Geologists expect that additional uranium deposits will be discovered in South Australia in the future.

In 2015 the Geological Survey of South Australia (GSSA) published an updated report and map on known uranium deposits in South Australia. More information can be found at

http://www.minerals.statedevelopment.sa.gov.au/geoscience/geoscientific_data/new_releases.

Why is Olympic Dam so well known?

Olympic Dam is the largest known uranium deposit in the world, and contains more than 2 million tonnes of uranium oxide. Although very large, the Olympic Dam deposit consists of relatively low-grade uranium: ~0.05% uranium oxide (U_3O_8).

The Olympic Dam uranium deposit formed through a geological process known as *hematite breccia mineralisation*. Physically, this creates angular fragments of rock surrounded by a finer matrix. Uranium is found in association with copper, silver and gold at Olympic Dam, and the minerals are recovered through conventional mining approaches (see Fact Sheet 5).

Are other reserves in South Australia different from Olympic Dam?

Different from the geology at Olympic Dam, uranium at Four Mile, Beverly and Honeymoon is located in sandstone deposits. It is mined by a process known as *In Situ Recovery* (see Fact Sheet 5). Uranium recovered at these sites is of a relatively high grade: ~0.2% uranium oxide (U_3O_8).