

## **Oliver Willetts**

### **From Geology to Resource Estimation: Unlocking Mongolia's Sandstone Uranium Potential**



**Sydney Mineral Exploration  
Discussion Group**

The next SMEDG technical meeting will be held on Thursday June 26, at 5.30pm for 6.00 pm at Club York and on Zoom. Zoom registrations can be [made here](#).

The customary drinks and pizzas will be held at 5.30pm, with SRK kindly sponsoring the pizzas. In addition, a new restaurant has opened at the Club, so there is the opportunity to start the after talk dinners again.

### **Unlocking Mongolia's Sandstone Uranium Potential**

Sandstone-hosted uranium deposits represent over a quarter of the current global mineral inventory of this increasingly strategic energy commodity. Mongolia is on the cusp of entering the global uranium production market, reigniting interest in local uranium exploration and project development.

Join us as we journey across Mongolia uncovering the geological conditions that favour sandstone-hosted uranium accumulation and examining the specialised exploration strategies required for successful orebody definition. We will guide you through our advanced resource estimation workflow and discuss the in-situ leach production method typically used to mine these deposits.

By combining a modern technological approach with learnings from the oil and gas industry we hope to help unlock Mongolia's sandstone-hosted uranium potential and contribute to its emergence as a key player in the global uranium market.

### Short Bio - Oliver Willetts



Oliver Willetts is a geologist with 17 years of experience specialising in resource estimation, geological modelling, and exploration data management. He has a proven track record of developing innovative solutions to complex technical challenges across projects spanning greenfields exploration, feasibility studies, and production.

Oliver is JORC Code competent in sedimentary uranium and phosphate, orogenic gold, and structurally controlled copper mineralisation. He also possesses extensive domestic and international experience with a diverse range of commodities, including cobalt, nickel, vanadium, lithium brines, mineral sands, and bauxite. His expertise includes a deep understanding of roll-front style uranium mineralisation, as well as the interpretation, geological modelling, and Mineral Resource estimation of such deposits.

As an expert computational geoscientist, Oliver utilises a comprehensive software toolkit that includes leading mining packages (Micromine, Leapfrog, Leapfrog Edge, tNavigator), geostatistics platforms (Isatis Neo, RMSF), statistical analysis tools (R, Python), database administration systems (Microsoft SQL Server, Azure SQL Database),

GIS software (ArcGIS, QGIS), and software development frameworks (Microsoft Visual Studio, .NET).

Oliver combines his technical expertise and geological insight to design innovative workflows that deliver measurable and impactful results.

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**Upcoming events (may be changed or extra events may arise - keep an eye on the website, as well as emails):**

**Regular meetings (4th Thursday of the month, may be changed if necessary) - June 26, July 24, September 23 (Tuesday), October 23 and November 27**

**Awards Dinner - Thursday August 28, Club York**

**Cruises - Mid-Year June 20, 1pm to 5pm, Christmas - TBA.**

[SMEDG website](#)

- **A treasure trove of current and historic information, including updated events schedules - well worth exploring!**

#### **Club York and Regular Meetings**

- **Regular SMEDG meetings are held in the Club York Function Centre, located on Level 2 of the Club, 95-99 York Street, just north of the Market Street intersection.**
- **These are also broadcast through Zoom, for which registration is required, with details on the notice of meeting email**
- **Entry is usually through the lifts located in the building foyer immediately to the left (south) of the Club entrance, however if for some reason the lifts are locked, entry can be gained through the Club - just let the concierge know that you are attending a function, and you will be let through. With the closure of Zabou, we are considering alternative after talk dinner venues, with Primi Italian at the Club being an option.**
- **The bar is open at meetings, and we shout each attendee one drink upon arrival. At the moment we are also providing snacks in the form of pizzas.**

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