

# Uncover Curnamona 2022

**When: 31 May to 2 June 2022**

**Where: Broken Hill**

**Cost: free**

**Registration: [UC-2022.eventbrite.com.au](https://uc-2022.eventbrite.com.au)**

## **About**

The Curnamona Province is a mostly undercover sequence of Proterozoic rocks in South Australia and New South Wales. As well as hosting the Broken Hill ore body, the Curnamona and surrounding provinces are prospective for a wide variety of mineral systems.

Uncover Curnamona 2022 (UC2022) will include presentations, a workshop, core viewing and a field trip. Share information and ideas from current mineral exploration, cutting-edge research by geological surveys and collaborative partners, and major projects including the MinEx Cooperative Research Centre and Exploring for the Future.

UC2022 is a collaboration between the geological surveys of New South Wales and South Australia, Geoscience Australia and the Geological Society of Australia.

## **Program**

### **Tuesday 31 May**

Morning: hyperspectral workshop at the Broken Hill Civic Centre to inform geological logging and unravel alteration mineralogy using Hylogger™ spectral data from drillcore (including drillcore selected from the afternoon viewing session).

Afternoon: core viewing, NSW and SA online systems (e.g. MinView and SARIG) support and demonstrations at the EC Andrews Drillcore Facility, followed by an icebreaker event in Broken Hill.

### **Wednesday 1 June**

A day of talks at the Broken Hill Civic Centre. Confirmed sessions and speakers with draft titles include:

#### **Session 1 – Uncover Curnamona: the bigger picture**

Welcome to Country

Welcome to Broken Hill (Mayor Tom Kennedy)

**Keynote: EFTF – Exploring for the Future in and around the Darling-Curnamona-Delamerian (Angela O'Rourke, Geoscience Australia)**

MT imaging of the Curnamona Province on all scales (Prof. Graham Heinson, University of Adelaide)

#### **Session 2 – Curnamona wide**

Latest MinEx CRC work and results from the Mundi focus area and Curnamona Province (Dr Chris Folkes, Geological Survey of NSW)

Curnamona geochemistry: A new standardised geochemistry source for the province (Ivan Schroder, Geoscience Australia)

A practical guide to exploration hydrogeochemistry: where it can and can't help in the Curnamona Province (Dr Nathan Reid, CSIRO)

Wave oscillation ripples peeping through a metamorphic mist (Barney Stevens, Broken Hill Expertise)

#### **Session 3 – Delamerian NDI & company presentations: part 1**

The Delamerian NDI: connecting South and Eastern Australia (Tom Wise, Geological Survey of South Australia)

A reconnaissance of hydrothermal alteration and mineralisation of the Delamerian porphyry mineral systems in South Australia (Dr Wei Hong, University of Adelaide, MinEx CRC)

Back-arc extension and inversion during the Delamerian Orogeny (Stacey Curtis, Geological Survey of South Australia)

Metasomatic magnetite and links to IOCG mineral systems in the Kalabity area, Olary Domain (Lachlan Cole, Sinosteel Uranium)

Mutooroo Project Area Exploration Update (Tim Birt, Havilah Resources)

#### **Session 4 – Company presentations: part 2**

Uncovering mineralised Broken Hill Group rocks at Thackaringa (Thomas Fotheringham, Panda Mining)

An updated understanding on the geometry of the Broken Hill Ore body (Jared Broome, Perilya)

Geology of the Rasp Mine, Broken Hill (John Collier, CBH Resources)

New geochemical and isotope data, Rasp Mine, Broken Hill (Prof. Ian Plimer, CBH Resources)

#### **Conference dinner (own cost, The Palace Hotel, Broken Hill)**

### **Thursday 2 June**

A one-day field trip to explore the geology and mineral systems of the Broken Hill area.

## **Contact**

[meg.events@regional.nsw.gov.au](mailto:meg.events@regional.nsw.gov.au)

