



Enhanced Rock Weathering Research in Australia and New Zealand Symposium

Thursday 25 June, 2026

Room A3.003, JCU Nguma-bada campus, Smithfield, QLD

8:00 AM – 8:45 AM	Registrations open	Check-in and light refreshments available
8:45 AM – 9:00 AM	Conference Opening Formalities	Welcome, Acknowledgement of Country, Housekeeping
TIME	PRESENTER	TOPIC
9:00 AM – 9:30 AM	Keynote Speaker - Dr Annette Cowie	Reducing greenhouse gas emissions in Australia (<i>To be confirmed</i>)
9:30 AM – 10:00 AM	Keynote Speaker - Professor Paul Nelson	Enhanced rock weathering research in Australia and New Zealand: state and context
10:00 AM – 10:20 AM	Dr Euripides Kantzas, University of Sheffield	Constraints and challenges in deploying enhanced rock weathering with agriculture for CO ₂ removal at national scales: a case study for Australia
10:20 AM – 10:40 AM	Morning Tea break	Tea, coffee and morning tea available in the A3 foyer. Poster viewing session.
10:40 AM – 11:00 AM	Dr Kerryn Brent, CSIRO	Great expectations: how stakeholders see field trials contributing to responsible enhanced rock weathering
11:00 AM – 11:20 AM	Professor Balwant Singh, University of Sydney	Constraints in measuring carbon sequestration potential of ERW and its evaluation in horticultural crops
11:20 AM – 11:40 PM	Dr Wolfram Buss, Australian National University	Organic-inorganic interactions in enhanced rock weathering: Implications for carbon dioxide removal
11:40 PM – 12:00 PM	Dr Sean Manning, GXLab	Rapid mid-infrared detection of basalt rock dust in soil for enhanced weathering MRV
12:00 PM – 12:20 PM	Meila Picard, Lincoln University	Baseline silicate weathering rates and CO ₂ drawdown following basalt application in a New Zealand sheep farm
12:20 PM – 1:10 PM	Lunch break	Light lunch and refreshments available in the A3 foyer. Poster viewing session.
1:10 PM – 1:30 PM	Dr Aydin Enez, Deakin University	Rocking the crop: A national-scale investigation of glacial rock flour efficacy in Australian cropping systems
1:30 PM – 1:50 PM	Sofonyas Tefera, James Cook University	Effect of soil management on carbon dioxide removal via enhanced rock weathering under sugarcane in the tropics
1:50 PM – 2:10 PM	Fredrick Holden, James Cook University	Mechanisms limiting carbon dioxide removal via enhanced weathering of basalt in the field
2:10 PM – 2:30 PM	Thilini Amarasinghe, Adelaide University	Effects of basalt and nitrogen application rates on soil properties, wheat performance, and carbon capture in a greenhouse study
2:30 PM – 2:50 PM	Afternoon Tea break	Tea, coffee and afternoon tea available in the A3 foyer. Poster viewing session.
2:50 PM – 3:10 PM	Dr Thomas Jones, CSIRO	Enhanced rock weathering in unfavourable agricultural landscapes
3:10 PM – 3:30 PM	Lakshmi Chamaparambil Suresh, Adelaide University	Determining acid neutralisation capacity of crushed basalt
3:30 PM – 3:50 PM	Hannah Green, James Cook University	Carbon dioxide removal via enhanced rock weathering: Understanding mechanisms and the effect of soil properties
3:50 PM – 4:40 PM	Panel Discussion	Open discussions on enhanced rock weathering in Australia and New Zealand
4:40 PM – 5:20 PM	ERW field trial site visit and demonstration	Walk to the ERW sugarcane trial site located on the JCU campus

Please note: Program times shown are Australian Eastern Standard Time (AEST). The program is preliminary and subject to change.