







Environment & Climate Short Course

Techniques for measuring change and reconstructing past environments: freshwater — coastal change — Antarctica — climate system —

Tues 15 to Thurs 17 April 2025 28—30 August 2024

GNS Science National Isotope Centre, Lower

TOPICS

Types of Archives

- Lakes & peats
- Marine sediments
- Carbonates
- Ice cores
- Landscapes
- Soil
- Groundwater

Types of Proxies

- Pollen, chironomids, diatoms
- Foraminifera, radiolarians
- Stable isotopes of carbon, nitrogen & oxygen
- Biomarkers, ancient DNA

New dates 2025)
New April 2025)

Techniques

- 14C
- Tritrium
- 10Be and 26Al (surface exposure dating)
- Paleomagnetism
- Tephrochronology

Laboratory Tours and Demonstrations

14C sample preparation, stable isotope measurement, mass spectrometer measurement, sediment core recovery, soil stratigraphy, ice core analysis and archive, microfossil selection and

Registration and full programme:

Click here to Register

- early registration \$250 [1 Jun 24—28 Feb 25]
- standard registration \$300 [1 Mar—4 Apr 25]
- refunds available until 28 Feb 25
- limited to 30 participants, minimum participants 20

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