



2006 AUSTRALASIAN-INTIMATE Meeting
University of Auckland, New Zealand
Human Sciences Building (HSB)
10 Symonds St, Auckland
10th and 11th February, 2006

2nd Circular

Conveners – Jamie Shulmeister (University of Canterbury) and Chris Turney (University of Wollongong)

Co-organised through the **Geological Society of New Zealand (GSNZ)** and the **Australasian Quaternary Association (AQUA)**

OBJECTIVE:

- To compare Australian and New Zealand onshore and offshore reference records for OIS 2 and 2/1 transition
- To produce a provisional Australasian regional events stratigraphy **or** to determine that a single stratigraphy is not possible and to define sub-regions with provisional stratigraphies for each.

BACKGROUND:

The AUSTRALASIAN-INTIMATE Group has now run for nearly 2 years. As national groups in Australia and New Zealand we have made significant progress in working towards a common theme of unravelling climate change during the period spanning 30,000 to 8000 years ago. In 2005 both the Australian and New Zealand groups successfully produced posters dealing with key proxy records during this period and are now in the process of writing papers summarising progress for a Special issue of *Journal of Quaternary Science*. A major thrust of these posters and papers was the development of national climate event stratigraphies for the OIS 2 and the 2/1 transition. Now is the time to bring the national efforts together and to start developing a regional climate event stratigraphy.

The 2006 AUSTRALASIAN-INTIMATE workshop aims to continue on with the themes and objectives of the December 2004 Meeting. Now that various records have been assembled and placed on the same time-scale, we need to bring the records together to compare them so that we can:

1. Decide how we achieve a single Australasian climate event stratigraphy? We may cover the national territory of only two countries but we are covering a continental scale area. If a single event stratigraphy is not feasible or practical, we need to define the sub-regions for which event stratigraphies are functional and relevant.

2. Engage in robust discussions on the key reference sections.
3. Produce a short Australasian –INTIMATE summary paper from this meeting. **This will be submitted to EOS as a meeting report.** We also need to plan the production of a suitable outcome from the project for the Cairns INQUA meeting.
4. Plan for the extension of Australasian INTIMATE up to (and if appropriate beyond) INQUA in Cairns. In particular, there is pressure from INQUA for the group to spread its wings to other Southern Hemisphere locales. Some initial contacts have been made with South American workers and the group should discuss whether and how such an extension of the work should take place.
5. AOB

LOCATION:

Sessions: Human Science Building (HSB) 201 and/or 370
Registration + morning/afternoon Tea: HSB 431

Entrance from 10 Symonds Street, Auckland

SESSION FORMATS:

The purpose of the workshop is to produce an integrated event stratigraphy/ies for the Australasian region. We think the best way to conduct this meeting is for all participants to identify a theme group (see below) in which they think their expertise and contribution can best serve the purpose to achieve the objectives of the meeting. Following theme group discussions we will converge and synthesis each group's report.. Provisionally we have identified 6 proxy theme groups (1) High Latitude – ice cores, High Latitudes – marine cores (3) High Precision – speleothems /lake sed, (4) High Precision – corals and dendro (5) terrestrial Bioproxies (beetles, pollen), (6) Geomorphology/Seds – glacial, parna, river terraces). Individuals should indicate which group they would like to participate in. We realise that there may be other alternatives and have presented these themes as a workable and considered choice If you feel you interests span two or more groups please indicate what would be your first choice (individuals can always move between groups once discussions have started).. In order to make discussion groups workable we will organise groups of no less than 6 and no more than 12 per group We will (re-)evaluate the theme groups when registrations are confirmed and we may add or delete groups as appropriate. Participants are invited to submit an Abstract (by December 15th, 2005) in any one or more of the Australasian-INTIMATE sessions identified below. **All standard research presentations will be by poster only..** Theme presentations are to stimulate/promote broader discussion of the key issues (timing and nature of key events). Session co-ordinators will be notified by January 10th and all participants will get advanced notice of which group they have been assigned to according to their request and how the numbers work out. . Each participant will be asked to bring a powerpoint slide and an acetate of their key records. A common base outline will be provided so that all records can be compared on the same time scales. Submission of a poster presentation is encouraged to allow fuller presentation of results. Participation in the theme discussions groups is the key part of the meeting. Abstracts of all presentations will be included in the workshop abstract volume.

REGISTRATION:

There is an NZ\$30 registration cost to cover morning/afternoon teas (and possibly a BBQ). It can be paid on site by Australian registrants. An Australasian-INTIMATE workshop abstract report (much like the 2004-INTIMATE Proceedings) will be provided to all participants. Abstracts must be received no later than 4 pm on December 15th, 2005. We prefer that abstracts are e-mailed (to: james.shulmeister@canterbury.ac.nz) but please note that registration forms must be posted. Upon receipt of the completed registration form an acknowledgement will be sent to the registrant by mail or e-mail. The registrant will also be notified if he/she has been selected to lead a theme discussion.

PROVISIONAL PROGRAMME:

Friday 10th, February 2006

SESSION I –Overview – Status Quo Ante

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|-------------------------------------|--|
| 09.00-09.30 am | AUSTRALASIAN-INTIMATE Welcome and overview |
| 9.30- 10.00 am
poster (Turney) | Status report and description of Australian event stratigraphy 2005 |
| 10.00- 10.30 am
poster (Alloway) | Status report and Description of New Zealand event stratigraphy 2005 |
| 10.30-11.30 am | Poster Session I over Tea/Coffee |

SESSION II

INTEGRATION OF AUSTRALASIAN RESULTS – individual theme workshops

11.30 -12.30 pm Break Out

12.30 – 1.30 pm Lunch

1.30 – 5.00 pm Workshop groups - provisionally 4 theme groups. Group 1. High latitude proxies with sub-groups 1a) Ice cores and 1b) Marine cores; Group 2 High precision proxies with a dendro and corals sub group and a speleothems and laminated lake sediments sub group; Group 3 Terrestrial bioproxies (Pollen, Beetles etc); Group 4 Geomorphology/Seds – Glacial, parana, river terrace etc.

The organisers will arrange groups to fit the expertise of participants. Minimum group size of 6 and a maximum size of 12.

5.00 – 6.00 pm Poster Session II

6.30 pm BBQ TBC

Saturday 11th, February 2006

SESSION III

INTEGRATION OF AUSTRALASIAN RESULTS – producing an event stratigraphy

9.00 – 11.00 am Thematic working groups report to workshop on their group discussions.

11.00-11.30 *Morning Tea/Coffee*

11.30- 1.00 pm Discussion on reconciling NZ and Australian event stratigraphies

1.00-2.00 pm *LUNCH*

2.00-2.30 pm State of affairs summarised

SESSION IV

PLANNING FOR THE FUTURE – Cairns (and beyond?)

2.30-3.00 pm Information session on AUST INTIMATE programme at Cairns INQUA

3.00 -3.30 pm *Afternoon Tea*

3.30-4.00 pm Discussion on extending work to other SH locales and/or linkages with other SH groups.

4.00-5.00pm Discussion on publications and future directions for Australasian INTIMATE

MEETING CONCLUDES

For those continuing to ANZGG in Northland, registration starts on Sunday afternoon at 4pm with a BBQ for that conference at 6pm. Give yourself plenty of time to drive up there!

FINANCIAL SUPPORT

The organisers have a limited ability to support participation by students and by early career scientists. Please indicate on the form if you are a student or very early career scientist and would like support.

ACCOMMODATION:

No formal accommodation has been arranged by the organisers. A full range of accommodation from backpackers to 5 star hotels is available in downtown Auckland close to the venue. Possible accommodation includes:

Queen Street Backpackers <http://www.qsb.co.nz/index.htm>

Princeton Budget Hotel – 30 Symonds Street (incredibly close to the venue)

<http://www.tourism.net.nz/region/auckland/auckland---auckland-city/accommodation/backpacker-and-budget/jumpto/28362> OR info@princeton.net.nz

Rainbow Hotel <http://www.holidaycity.com/sail-auckland/index.htm>

New President Hotel - <http://www.holidaycity.com/new-president-auckland/index.htm>

Disclaimer: the organisers have no personal knowledge of ANY of these establishments. Listing here does not imply any endorsement of the establishment.

Please note that dozens of other options are available on the web by using the keywords Auckland + Accommodation + (Budget) for your search. Any downtown location will be reasonably accessible to the university.

FOOD ARRANGEMENTS:

- Morning and afternoon teas will be provided
- A BBQ may be provided – negotiations are under way.

ABSTRACTS

One page abstracts of research relevant to INTIMATE are encouraged for all participants and are required for all theme presentations and posters. Abstracts will be published (A4 black and white reproduction) in an Australasian-INTIMATE Proceedings. Please ensure that your abstract is reviewed internally or by co-authors prior to submission. We prefer that abstracts are sent by e-mail as an attachment (preferably formatted Microsoft Word; plain text if not) to james.shulmeister@canterbury.ac.nz with Australasian-INTIMATE in the subject line. A hardcopy must be posted with the registration form.

All abstracts must be with the conference organisers by December 15th 2005. Please indicate on the registration form if you would like your talk to be included in one of the proposed sessions, or feel free to suggest a session of your own in your e-mail. Poster presentations are encouraged.

Formatting for abstracts should be as follows:

**TEPHROCHRONOLOGY OF LAST TERMINATION SEQUENCES IN EUROPE: A
PROTOCOL FOR IMPROVED ANALYTICAL PRECISION AND ROBUST
CORRELATION PROCEDURES (A JOINT SCOTAV-INTIMATE PROPOSAL)**

Chris S. M. Turney¹, J. John Lowe², Siwan M. Davies², Valerie Hall¹, David J. Lowe³,
Stefan Wastegård⁴, Wim Hoek⁵, Brent Alloway⁶, SCOTAV and INTIMATE members

¹ School of Archaeology and Palaeoecology, Queen's University, Belfast, BT7 1NN, U.K.

² Centre for Quaternary Research, Department of Geography, Royal Holloway, University of
London, Egham, Surrey, TW20 0EX, U.K.

³ Department of Earth Sciences, University of Waikato, Private Bag 3105, Hamilton, New
Zealand

⁴ Department of Physical Geography and Quaternary Geology, Stockholm University, S-106
91 Stockholm, Sweden

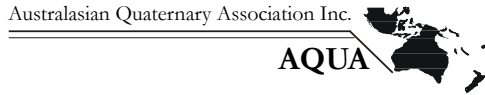
⁵ Utrecht University, Department of Physical Geography, Heidelberglaan 2, 3508 TC Utrecht,
The Netherlands

⁶ Institute of Geological & Nuclear Sciences, Wairakei Research Centre, State Highway 1,
Private Bag 2000, Taupo, New Zealand
c.turney@qub.ac.uk

The precise sequence of events during the Last Termination (18-9 ka ¹⁴C BP), and the extent to which major environmental changes were synchronous, are difficult to establish using the radiocarbon method because of serious distortions of the radiocarbon timescale, as well as the influence of a range of site-specific errors that can affect the materials dated. Attention has therefore turned to other methods that can provide independent tests of the chronology and correlation of events during ...

Note that:

- Entire abstracts (text and figures) must fit on one A4 portrait page with at least 30 mm margins all around.
- Times New Roman 12 pt font, single line spacing throughout. Title bold capitals, Authors lower-case; presenting author underlined. All other text plain.
- Titles, names and addresses centred; rest of abstract justified flush left and right.
- Add presenting author's e-mail address on a new line after the last author. Blank line after title, before the text body and between paragraphs
- No page number, paragraph indents or footnotes
- White-background diagrams are fine, but use patterns rather than grey-shades
- We reserve the right to edit or reject abstracts not conforming to the above



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REGISTRATION DETAILS - Please send the following information to:

James Shulmeister, Department of Geological Sciences, University of Canterbury,
Private Bag 4800, Christchurch, New Zealand (james.shulmeister@canterbury.ac.nz)

Name: of person(s) attending AUST-INTIMATE workshop: _____

Contact: _____

Postal Address _____

City _____

Telephone: _____ Facsimile: _____

Email: _____

I would like financial support to help attend (Students/early career only) Y N

I will be attending just one day - tick which day **10th** **11th**

I am intending to submit an Abstract in one (or more) of the following areas on Day-1 (Programme TBA): Y N

- High latitude records – ice core
- High latitude records - marine
- High precision records – speleothems/lake records
- High precision records – corals/ dendro
- Terrestrial Bioproxies
- Geomorphic/Seds records
- Other theme (please identify)

A formatted Abstract is attached (due Dec 15, 2005)