



## 2005 NZ-INTIMATE Meeting GNS-Rafter Laboratory, Wellington: 4th & 5th July, 2005

Conveners – Brent Alloway (GNS) & Jamie Shulmeister (University of Canterbury)

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

### OBJECTIVE:

- Identify and prioritise New Zealand onshore and offshore reference records for OIS 2 and 2/1 transition
- Promote ways to improve procedures for establishing the precise ages of, and effecting high resolution correlations between, these key NZ onshore and offshore reference records.

### BACKGROUND:

The 2004 NZ-INTIMATE Meeting<sup>1</sup> was an important turning point for the NZ-paleoclimate research community in that it galvanised the community to work towards a common theme of unravelling climate over the last 30,000 years. At the 2004 Meeting there was unanimous agreement that as outcomes of the NZ-INTIMATE initiative **TWO POSTERS** should be produced for both the NZ and international INTIMATE communities. **Poster-1** originally intended to deal with continuous proxy records spanning 30 ka to late Holocene (pre-Polynesian arrival) and **Poster-2** is intended to develop an event stratigraphy for NZ based on the continuous high resolution proxy NZ records presented in Poster-1.

Poster-1 was completed in March, 2005 and was entitled: “*Towards a climate event stratigraphy for new Zealand over the past 30,000 years.*” This poster (with Science Report)<sup>2</sup> was circulated to all NZ-INTIMATE members. Now that Poster-1 has now been completed - efforts can now focus on the production of Poster-2. Other outcomes of the 2004 meeting include: the construction of a NZ-Paleoclimate website ([www.paleoclimate.org.nz](http://www.paleoclimate.org.nz)) and nz-paleoclimate community e-discussion group in a protected spam-free environment (<http://groups.yahoo.com/group/nz-paleoclimate-community>).

The 2005 NZ-INTIMATE workshop aims to continue on with the themes and objectives of the 2004 Meeting. Now that various records have been assembled and placed on the same time-scale - its ‘time’ for us to discuss the various records we have, prioritise them, and decide which of the records should become our NZ reference sections. There is opportunity at the workshop to discuss issues that affect high resolution correlations between key records (i.e. tephra ages). This workshop can also be a forum to promote ongoing or new INTIMATE-related research. The planned production of a paper outlining the contents of Poster-1 will also be discussed. JQS is suggested since this journal already has strong connections with the Nth Atlantic INTIMATE group. Authorship should also be modelled on

the Nth Atlantic group papers where contributing authors are listed at the start of the paper followed by mention of the "INTIMATE group". We can discuss clarify contributions and authorship details relating to this review paper at the 2005 meeting.

<sup>1</sup> Alloway, B.V. 2004 NZ-INTIMATE Meeting, GNS Rafter Laboratory, Wellington: 23-24 August 2004. *Institute of Geological & Nuclear Sciences science report 2004/22*. 43 p.

<sup>2</sup> Barrell, D., Alloway, B.V., Shulmeister, J., Newnham, R., (editors) 2005: *Towards a climate event stratigraphy for the last 30,000 years in New Zealand*. Institute of Geological & Nuclear Sciences science report 2005/07. 12 pages & poster.

## **THEME FORMATS:**

All participants are encouraged to submit an Abstract (by June 17th, 2005) in any one or more of the NZ-INTIMATE themes identified below. For each theme, one or two abstracts will be selected for 15-minute presentations. The purpose of these theme presentations is to introduce topical research work directly relevant to NZ-INTIMATE objectives that will stimulate/promote broader discussion (which is the primary focus of the workshop). Theme presenters will be notified by June 20<sup>th</sup>. For those of you not selected to make a theme presentation – submission of a poster presentation is encouraged. Abstracts of all oral and poster presentations will be included in the workshop abstract volume.

## **REGISTRATION:**

There is no registration cost. A NZ-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 June 17th, 2005. We prefer that abstracts are e-mailed (to: [b.alloway@gns.cri.nz](mailto:b.alloway@gns.cri.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 give a theme presentation.

## **PROVISIONAL PROGRAMME:**

### ***Monday 4th, July***

(All presentations c.15 minutes duration followed by 5 minutes discussion)

09.00-09.30 am      **NZ-INTIMATE Objectives and Overview**  
(Jamie Shulmeister & Brent Alloway)

### **INVITED PRESENTATIONS**

#### **TERRESTRIAL RECORDS**

09.30-09.50 am      Antarctica/Greenland record - Tim Naish et al.  
09.50-10.10 am      Speleothem record - Paul Williams

#### **10.10-10.30 am *Morning Tea***

10.30-10.50 am      Auckland Maar - Paul Augustinus et al.  
10.50-11.10 am      Kaipo record - David Lowe et al.  
11.10-11.30 am      Otamangakau record – Matt McGlone  
11.30-11.50 pm      Okarito record - Chris Hendy et al.

**11.50-1.00 pm LUNCH - IRL Café**

1.00-1.20 pm	Glacial record - David Barrell et al.
1.20-1.40 pm	Fluvial & Loess records - Nicola Litchfield/Peter Almond et al.
1.40-2.00 pm	Aeolian quartz record - <u>Brent Alloway</u>
2.00-2.20 pm	Tephra record – <u>David Lowe</u> et al.

**MARINE RECORDS**

2.20-2.40 am	MD97-2121 record - <u>Lionel Carter</u>
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**2.40-3.00 pm Afternoon Tea**

3.00-4.30pm	<b>DAY-1 DISCUSSION</b>
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***Tuesday 24th, August***

9.00 – 12.00 noon INTIMATE-related research presentations (TBA)

**12.00-1.00 pm LUNCH - IRL Café**

1.00 – 3.00 pm	<b>SUMMARY/CONCLUSIONS</b>
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**ACCOMMODATION:**

No formal accommodation has been arranged by the organisers. We envisage that participants will organise their own specific accommodation requirements. An attached list offers a range of accommodation options catering to all budgets.

**FOOD ARRANGEMENTS:**

- Morning and afternoon teas will be provided
- No formal lunches have been arranged by the organisers. Lunches can be obtained (on a pay-as-you-go basis) at the Gracefield Research Centre - IRL Café which provides an excellent selection of hot/cold dishes at very reasonable prices.

**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 a NZ-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 [b.alloway@gns.cri.nz](mailto:b.alloway@gns.cri.nz) with NZ-INTIMATE in the subject line. A hardcopy must be posted with the registration form.

All abstracts must be with the conference organisers by 4 pm Friday 17th June. Please indicate on the registration form if you would like your talk to be included in one of the proposed themes, or feel free to suggest a theme of your own in your e-mail. Poster presentations are encouraged.

Formatting for abstracts should be as follows:

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**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. Turney<sup>1</sup>, J. John Lowe<sup>2</sup>, Siwan M. Davies<sup>2</sup>, Valerie Hall<sup>1</sup>, David J. Lowe<sup>3</sup>,  
Stefan Wastegård<sup>4</sup>, Wim Hoek<sup>5</sup>, Brent Alloway<sup>6</sup>, SCOTAV and INTIMATE members

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

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

<sup>3</sup> Department of Earth Sciences, University of Waikato, Private Bag 3105, Hamilton, New  
Zealand

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

<sup>5</sup> Utrecht University, Department of Physical Geography, Heidelberglaan 2, 3508 TC Utrecht,  
The Netherlands

<sup>6</sup> 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 <sup>14</sup>C 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 ...

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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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GNS-Rafter Laboratory, Wellington:  
4th & 5th July, 2005

*Conveners – Brent Alloway & Jamie Shulmeister*

**REGISTRATION DETAILS** - Please send the following information to:

Brent Alloway, GNS, Gracefield Research Centre, PO Box 30368, Lower Hutt  
(b.alloway@gns.cri.nz)

Name: of person(s) attending NZ-INTIMATE workshop: \_\_\_\_\_

Contact: \_\_\_\_\_

Postal Address \_\_\_\_\_

City \_\_\_\_\_

Telephone: \_\_\_\_\_ Facsimile: \_\_\_\_\_

Email: \_\_\_\_\_

	Y	N
I will be attending both days	<input type="checkbox"/>	<input type="checkbox"/>

	<b>4th</b>	<b>5th</b>
I will be attending just one day - tick which day	<input type="checkbox"/>	<input type="checkbox"/>

<b>I am intending to submit an Abstract in one (or more) of the following areas on Day-2 (Programme TBA):</b>	Y	N
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- |  |                          |                          |
|--|--------------------------|--------------------------|
| • Palynostrat. Records   | <input type="checkbox"/> | <input type="checkbox"/> |
| • Glacial records  | <input type="checkbox"/> | <input type="checkbox"/> |
| • Fluvial/Loess Records  | <input type="checkbox"/> | <input type="checkbox"/> |
| • Lake/Maar Records  | <input type="checkbox"/> | <input type="checkbox"/> |
| • Marine Records   | <input type="checkbox"/> | <input type="checkbox"/> |
| • Ice core records   | <input type="checkbox"/> | <input type="checkbox"/> |
| • Enhancing Chronology (i.e. <sup>14</sup> C, OSL, surface exposure dating, tephra, oxygen isotopes) | <input type="checkbox"/> | <input type="checkbox"/> |

	Y	N
A formatted Abstract is attached (due June 17, 2005)	<input type="checkbox"/>	<input type="checkbox"/>

## LOWER HUTT ACCOMMODATION VENUES

When booking ask for the Corporate Rate as this is usually cheaper than the quoted rate below.

### **CAMPING GROUND**

**Top 10 Hutt Park Motor Camp**, 95 Hutt Park Road, Lower Hutt, Ph: 0800 488 874

Email: [accom@huttpark.co.nz](mailto:accom@huttpark.co.nz) Web Site: [www.huttpark.co.nz](http://www.huttpark.co.nz)

Tariff: Motels – from \$94; Self contained units – from \$69; Cabins – from \$38; Tent sites – \$26

### **MOTELS**

**Camellia Court Motel**, 3 Pharazyn Street, Lower Hutt Freephone: 0800 500 004

Email: [camelliacourtmotel@xtra.co.nz](mailto:camelliacourtmotel@xtra.co.nz) Web Site: [www.camiliacourtmotel.co.nz](http://www.camiliacourtmotel.co.nz)

15 Units, full kitchens. Cooked, continental breakfast available

Tariff: 1-2 people from \$100

**Green Gables Motel**, 560 High Street, Lower Hutt. Freephone: 0800 777 246

Email: [stay@greengablesmotel.co.nz](mailto:stay@greengablesmotel.co.nz) Web Site: [www.greengablesmotel.co.nz](http://www.greengablesmotel.co.nz)

14 Units with kitchens. Cooked/continental breakfast available

Tariff: 1-2 people from \$110. AA Member discount available

**Motel 22**, 22 Pharazyn Street, Lower Hutt. Freephone: 0800 802 516

Email: [motel22@xtra.co.nz](mailto:motel22@xtra.co.nz) Web Site: [www.motel22.com](http://www.motel22.com)

15 Units with kitchens. Cooked, continental breakfast available

Tariff: 1-2 people from \$98

### **MOTOR INNS / HOTELS**

**Angus Inn**, Cornwall & Waterloo Road, Lower Hutt. Freephone: 0800 888 807

Email: [accommodation@angusinn.co.nz](mailto:accommodation@angusinn.co.nz) Web site: [www.angusinn.co.nz](http://www.angusinn.co.nz)

73 Rooms/Suites. Licensed Restaurant & bar, off street parking.

Tariff: 1–2 people. Twin share/Double – from \$110

**Champers Motor Inn**, 6-10 Pharazyn Street, Lower Hutt. Freephone: 0800 585 687

Email: [champers@xtra.co.nz](mailto:champers@xtra.co.nz) Web Site: [www.champersmotorinn.co.nz](http://www.champersmotorinn.co.nz)

24 Units, Licensed Restaurant & bar,

Tariff: 1–2 people. Twin share/Double – from \$110

**Riddiford Hotel**, 21-29 Knights Road, Lower Hutt. Phone:04 586 6318

Email: [riddifordhotel@xtra.co.nz](mailto:riddifordhotel@xtra.co.nz) Web Site:

22 Rooms. Licensed Chinese Restaurant

Tariff: 1-2 people from \$100

**Settlers Motor Lodge**, 83-85 Hutt Road, Petone. Freephone: 0800 838 583

Email: [settlers@xtra.co.nz](mailto:settlers@xtra.co.nz) Web Site: [www.settlersmotel.co.nz](http://www.settlersmotel.co.nz)

17 Units with microwaves. Cooked/continental breakfast available. Licensed Restaurant

**Waterfront Motor Inn**, 83 The Esplanade, Petone. Freephone: 0800 500 757

Email: [waterfrontpetone@xtra.co.nz](mailto:waterfrontpetone@xtra.co.nz) Web Site:

24 units. Licensed Restaurant and bar. Cooked/continental breakfast available

Tariff: 1-2 people from \$80

# VENUE LOCATION MAP:

**NZ-INTIMATE Workshop**  
**Venue - Rafter Laboratory**  
(report to reception in Rafter-A upon arrival)

