

From: [Joelle Gergis](#)
To: [Joelle Gergis](#); [a.lorrey@niwa.co.nz](#); [s.phipps@unsw.edu.au](#); [raphi.neukom@gmail.com](#); [Allie Jane Eyre Gallant](#); [David John Karoly](#); [kathryn.allen@monash.edu](#); [patrick.baker@monash.edu](#); [q.boswijk@auckland.ac.nz](#); [bmb@ldeo.columbia.edu](#); [matthew.brookhouse@anu.edu.au](#); [drdendro@ldeo.columbia.edu](#); [loucullen@farmside.co.nz](#); [Mark.Curran@aad.gov.au](#); [rdd@ldeo.columbia.edu](#); [pavla_fenwick@hotmail.com](#); [a.fowler@auckland.ac.nz](#); [ian.goodwin@mq.edu.au](#); [pauline.grierson@uwa.edu.au](#); [E.Hendy@bristol.ac.uk](#); [blinsley@ldeo.columbia.edu](#); [Janice Lough](#); [mcgregor@uow.edu.au](#); [Andrew.Moy@aad.gov.au](#); [gondwanadendro@gmail.com](#); [c.turney@unsw.edu.au](#); [tessa.vance@utas.edu.au](#); [Tas.Van.ommen@aad.gov.au](#)
Cc: [Russell Neil Drysdale](#); [Scott Mooney](#); [Paul Hesse](#); [Sandy Harrison](#); [Schmidt, Gavin A. \(GISS-6110\)](#); [Eric Steig](#); [mann@meteo.psu.edu](#); [Eugene Wahl](#); [Juerg Luterbacher](#); [Heinz Wanner](#); [lucien.vongunten@pages.unibe.ch](#)
Subject: Update on the Aus2k temperature reconstruction paper
Date: Wednesday, 13 June 2012 16:03:06 PM
Attachments: [Aus2K_JoC_Manuscript_and_Supplementary_April_2012_final.pdf](#)

Hi everyone

Recently you were acknowledged as a data contributor on the attached paper on Australasian temperature reconstruction spanning the last millennium submitted to Journal of Climate (apologies to Chris Plummer and Limin Xiong as I don't have their email addresses), or have been in touch with our group about this study.

This is just an email to inform you of the status of the paper that considered your record(s) for the development of the Australasian regional temperature reconstruction.

I also wanted to provide some background to the intense scrutiny our work has received from the notorious Canadian climate change sceptic blogger Stephen McIntyre (Climate Audit) since the online release of our study on 17 May:

<http://climateaudit.org>

This site, run by a semi-retired mining consultant, seeks to discredit climate researchers and their work particularly in the area of multi proxy climate reconstruction.

While attempting to release non-publicly available records used in the Aus2K study on NOAA last week, our team discovered an error in the description of temperature proxy selection process.

In section 2.2 lines 220-224 of the attached paper we say:

For predictor selection, both proxy climate and instrumental data were linearly detrended over the 1921–1990 period to avoid inflating the correlation coefficient due to the presence of the global warming signal present in the observed temperature record. Only records that were significantly ($p < 0.05$) correlated with the detrended instrumental target over the 1921–1990 period were selected for analysis.

When we went to recheck this on Tuesday 5 June, we discovered that the records used in the final analysis were not detrended during the proxy selection process, making this statement incorrect.

The detrending of records for record selection had been done in another paper on Southern Hemisphere temperature variations that we had been writing simultaneously, so we wrongly

assumed the same thing had been done in the Australasian paper. Raphael and I were both undergoing challenging personal circumstances at the time so this was not picked up on until now.

The issue of detrending has always been contentious in palaeoclimatology since there are justifications for using non detrended or detrended data depending on the aim of the study (see published discussions of this issue provided by Mike Mann, Eugene Wahl and others).

The results are unlikely to change substantially (a drop from 27 to 22 records based on an initial assessment) but there was a mistake in the sentence describing the method so we felt that we needed to voluntarily withdraw the paper in press with the journal, amend the text and add some extra supplementary material justifying our method.

It is highly unlikely the core conclusions will change, but we want to assess the influence of detrending on record selection so will be rerunning everything using non detrended and detrended data and compare the results in the supplementary section. Although this means we will need to resubmit the manuscript to peer review once again, we felt that a conservative and transparent approach was essential to avoid further negative commentary on the paper.

We contacted the journal editor on Friday 8 June to let them know and they have encouraged a resubmission. We are aiming to do this by the 31 July IPCC deadline to ensure our region is included in the global comparisons currently underway for the Past Global Changes (PAGES) Regional 2K network:

<http://www.pages-igbp.org/workinggroups/2k-network>

In light of the aggressive emails I was receiving, the flood of negative online commentary and and queries to the University of Melbourne etc, we also released the following statement on Friday 8 June:

Print publication of scientific study put on hold

An issue has been identified in the processing of the data used in the study, "Evidence of unusual late 20th century warming from an Australasian temperature reconstruction spanning the last millennium" by Joelle Gergis, Raphael Neukom, Stephen Phipps, Ailie Gallant and David Karoly, accepted for publication in the Journal of Climate.

The authors are currently reviewing the data and methods. The revised paper will be re-submitted to the Journal of Climate by the end of July and it will be sent out for peer review again.

Despite our best efforts, this has of course been portrayed as a guilty retreat of the cherry picking, data withholding group of global warming activists and proof that, once again, armchair scientists have broken another 'hockey stick'.

Unsurprisingly with the imminent introduction of the carbon tax in Australia, the 'story' has subsequently been given voice in today's edition of conservative newspaper The Australian and the New York Times:

<http://www.theaustralian.com.au/higher-education/climate-paper-flawed/story-e6frgcjx-1226393519781>

<http://dotearth.blogs.nytimes.com/2012/06/11/australian-warming-hockey-sticks-and-open-review/>

To further complicate matters, this morning we also received a Freedom of Information (FOI) request to release all records used in the study, but are currently seeking legal advice on this given that some of the records used in the study are still not publically available and our paper is yet to go back into review so is currently back in preparation (i.e. we would like to protect our Intellectual Property until the paper is published).

I have been in touch with a number of you over the past week to discuss the public release of the full length of the processed versions of your record used in the analysis, so many thanks for your cooperation. Of the 62 records mentioned in the paper now only three require permission to use the full length (Law Dome d18O ice core record, Tonga_TH1_d18O and Tonga_TNI2_d18O coral records). Please let me know if your circumstances have changes since we last corresponding regarding the full release of your record otherwise I will stick to the agreed 1921-1990 section of your record as agreed.

If you have any questions about this, or are approached by the media or others to comment on the study, please do let me know so we can seek advice from our Public Relations team. We have been advised by the PR team here at the university to be very careful not to engage in ANY online commentary until we have reassessed the results.

We hope you can appreciate that we have done our best to respond to this challenging situation, but if you have any advice or further thoughts on this I'd be happy to hear from you.

All the best

Joelle

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<http://climatehistory.com.au>

From: [Joelle Gergis](mailto:Joelle.Gergis)
To: [Janice Lough](mailto:Janice.Lough)
Subject: Re: Review draft of Aus2K temperature paper attached - deadline 9 October
Date: Thursday, 29 September 2011 10:57:57 AM

Hi Janice

Thanks very much for your detailed comments on the paper. There are some excellent suggestions in there, I am particularly grateful for the additional references and suggestions for reworking the discussion. I will think this through and see what's possible.

I hope that your preparations for the special issue are going well! Please let me know if there's anything I can do to help.

Thanks again

Joelle

On 28/09/11 12:53 PM, "Janice Lough" <J.Lough@aims.gov.au> wrote:

Hi Joelle

Thanks for that – you guys have certainly been busy!

If it helps, I have made some comments/suggestions as I read through, mainly for clarity – feel free to use/ignore.

Am fine with just being listed as an Aus2K project member.

Best wishes

Janice

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From: Joelle Gergis [<mailto:jgergis@unimelb.edu.au>]

Sent: Tuesday, 27 September 2011 12:28 PM

To: Kathryn Allen; Mark Curran; Tas van Ommen; tessa.vance@utas.edu.au; Andrew Moy; Andrew Lorrey; Pauline Grierson; Edward Cook; Janice Lough; Helen McGregor; Chris Turney
Cc: Raphael Neukom; Ailie Jane Eyre Gallant; David John Karoly; Steven J Phipps; Karl Braganza
Subject: Review draft of Aus2K temperature paper attached - deadline 9 October
Importance: High

Hi everyone

I hope this email finds you well.

This message contains some important information about the Aus2k temperature reconstruction paper, so please read and respond to this carefully.

You are receiving this email because you have either provided data used in the attached Australasian temperature reconstruction or have indicated that you would like the opportunity to comment on the paper.

After much thought and discussion with a number of you, we've chosen to follow a modified version of the Arctic2K group's model for coauthorship (see attached 1240_Kaufman_Science09.pdf).

That is, aside from the core research team, contributors of non-publicly available data used in this study are automatically considered coauthors unless you'd prefer acknowledgement rather than the responsibility of coauthorship.

All other contributors will be listed under the 'Aus2K Project Members' and are invited to make comments – we'd value your scientific input.

If you feel you can provide a substantial scientific contribution, we'd be happy to receive your suggestions, keeping in mind to remain within reasonable scope of the paper we have already developed.

Examples would include correcting major errors in the analysis, additional data analysis critical to the paper or providing substantial improvements to the interpretation of the results for a key period, dynamical system etc.

To come at this objectively, any substantial contributions will be assessed relative to the attached Nature co-authorship guidelines (Nature_authorship_index.pdf) by the core research team. Significant inputs will of course result in a shift to coauthorship status. Minor editorial comments will be gratefully acknowledged but not result in coauthorship.

Please note that the author list is not yet determined. At this stage I've only listed the core analytical team until you've had a think about how you would like to proceed. Currently the authorship reads as follows:

Joelle Gergis, Raphael Neukom, Ailie Gallant, Steven Phipps, David Karoly, Data provider 1, Data provider 2 etc, ???, ??? and PAGES Aus2K Project Members†

Once we have considered all contributions and finalised the paper, we will revise the author list as fairly as possible. In cases where authorship status may be ambiguous, the team will assess inputs based on the attached co-authorship guidelines.

To refresh your memory, please refer to the list in the previous email (below) to see which category you fall into.

Once you've read the manuscript, please email me:

- 1. Confirmation of your preference to be listed as a coauthor or part of the 'Aus2K project member' group**
- 2. Comments you'd like incorporated into the draft (using Track Changes in Word) no later than Sunday 9 October**
- 3. Consent to make any timeseries used in this analysis available in the Aus2K database upon the paper's publication: access to published data is now mandatory for many journals, funding agencies, FOI requests etc**

If I don't hear from you, **by default your name will remain in the 'Aus2K project member' group** as I know there are many people who, quite sensibly, are very uncomfortable being listed as a coauthor on papers they haven't read or contributed to.

As you'd appreciate, at this stage this manuscript is a confidential 'work in progress' that contains a significant amount of our group's novel IP. We have other papers in preparation so ask that you respect our confidentiality and do not circulate the paper until it has been accepted.

Once again, please remember that this paper forms just one of the many excellent proposed contributions to the Journal of Climate special issue. The core Aus2K review synthesis, which will deal with various variables and timescales, will be produced for the group chapter planned for the PAGES Regional 2K book. I will let everyone know more about this once PAGES finalised things and informs each of the working groups.

Sorry about the tight deadline but I will be on leave from 13 October for two weeks so I need to submit the paper before then. As such, comments received after 9 of October cannot be incorporated in the submission version of the manuscript.

Thanks in advance for your help with this, I look forward to hearing from you soon.

Joelle

From: [Joelle Gergis](#)
To: [Kathryn Allen](#); [Mark Curran](#); [Tas van Ommen](#); tessa.vance@utas.edu.au; [Andrew Moy](#); [Andrew Lorrey](#); [Pauline Grierson](#); [Edward Cook](#); [Janice Lough](#); [Helen McGregor](#); [Chris Turney](#)
Cc: [Raphael Neukom](#); [Ailie Jane Eyre Gallant](#); [David John Karoly](#); [Steven J Phipps](#); [Karl Braganza](#)
Subject: Review draft of Aus2K temperature paper attached - deadline 9 October
Date: Tuesday, 27 September 2011 12:33:45 PM
Attachments: [1240_Kaufman_Science09.pdf](#)
[Nature_authorship_index.pdf](#)
[Australasian_1K_temp_review_draft_V2.doc](#)
Importance: High

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If you feel you can provide a substantial scientific contribution, we'd be happy to receive your suggestions, keeping in mind to remain within reasonable scope of the paper we have already developed.

Examples would include correcting major errors in the analysis, additional data analysis critical to the paper or providing substantial improvements to the interpretation of the results for a key period, dynamical system etc.

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provider 2 etc, ???, ??? and PAGES Aus2K Project Members†

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Thanks in advance for your help with this, I look forward to hearing from you soon.

Joelle

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----- Forwarded Message

From: Joelle Gergis <jgergis@unimelb.edu.au>

Date: Thu, 8 Sep 2011 12:12:28 +1000

To: Andrew Lorrey <a.lorrey@niwa.co.nz>, Steven J Phipps <s.phipps@unsw.edu.au>, Christian Turney <c.turney@unsw.edu.au>, Tas van Ommen <Tas.Van.ommen@aad.gov.au>, Mark Curran <Mark.Curran@aad.gov.au>, Andrew Moy <Andrew.Moy@aad.gov.au>, Jonathan Palmer <gondwanadendro@gmail.com>, Janice Lough <j.lough@aims.gov.au>, Tim Cooper <t.cooper@aims.gov.au>, "tessa.vance@utas.edu.au" <tessa.vance@utas.edu.au>, "Kathryn Allen (Sci)" <kathryn.allen@monash.edu>, Edward Cook <drdendro@ldeo.columbia.edu>, Helen McGregor <mcmgregor@uow.edu.au>, Pauline Grierson <pauline.grierson@uwa.edu.au>
Cc: Raphael Neukom <raphi.neukom@gmail.com>, Ailie Jane Eyre Gallant <agallant@unimelb.edu.au>, David Karoly <dkaroly@unimelb.edu.au>
Subject: Re: Aus2K temperature reconstruction - further clarifications

Hi everyone

There seems to be some confusion around the email I sent earlier this week.

I made the mistake of calling the temperature reconstruction **research paper** I am working on for the JoC special issue the Aus2K synthesis paper.

This was wrong/misleading and I apologise if it caused concern or confusion.

As I understand it, there will be two main Aus2K outputs:

1. Journal of Climate special issue papers (including my multi proxy temperature **research paper** NOT synthesis paper)
2. Aus2K group synthesis chapter for the PAGES Regional 2K network book

Having a special issue is an opportunity for the whole group to assemble their best work on temperature, precipitation etc on annual and low frequency timescales that can then be assembled into our group's multi authored synthesis chapter.

It will be coordinated by the steering committee drawing on pulling together everyone

research papers.

For this it would be extremely helpful to have THE WHOLE GROUP's input to form the core Aus2K product.

Please see attached example of the Mediterranean group's book chapter.

So to clarify, the email below that was sent out earlier this week refers NOT to the Aus2K group's SYNTHESIS chapter, but just my multi proxy temperature RESEARCH paper for the JoC special issue.

It is relevant to data contributors whose record/s have or have not been included in this temperature study. The purpose was to identify people that will be a formal coauthor or simply acknowledged to keep the paper manageable and attributed to the appropriate people.

Hope this helps clear things up.

All the best

Joelle

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Dr Joelle Gergis
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<http://climatehistory.com.au>

On 6/09/11 10:46 AM, "Joelle Gergis" <jgergis@unimelb.edu.au> wrote:

Hi everyone

At the workshop in Perth, the following people put their hand up as a potential contributor to the Aus2k temperature 'synthesis' paper:

Joelle Gergis
Raphael Neukom
Ailie Gallant
Drew Lorrey
Steve Phipps
Chris Turney

Tas van Ommen
Mark Curran
Andrew Moy
Jonathan Palmer
Janice Lough
Tim Cooper
Tessa Vance
Kathy Allen
Ed Cook
Helen McGregor
Pauline Grierson

As a reminder, here is the co-authorship policy that Tas proposed and we all agreed upon:

Policy on co-authorship agreed between PAGES AUS2K group:

Data providers will not automatically be included as coauthors on AUS2K papers. However, at the outset of the study, they will be recognised and briefed on the existence of the manuscript and the opportunity will be given for them to be further involved. Further involvement must include providing 'value added' information to the study. If a data provider makes a decision not to be involved, they will be acknowledged and cited in the paper, but will not be included as a coauthor.

At the moment, the temperature reconstruction paper is under internal review among the core team who have been directly involved in the analytical work and/or provided substantial direction on the statistical analysis and/or dynamical interpretation of the results.

To ensure this paper remains manageable, the next step is for me to figure out who out of the list above will be included as contributing coauthors on the paper.

The following records provided by people on the above list have provided (non ITRDB) data that contributes to the the warm season temperature reconstruction (SONDJF) and model comparison we present in the paper:

CSIRO Mark 3L model simulations
Huon Pine (as per JQS, 2006) - Ed Cook
Silver Pine (as per JQS, 2006) - Ed Cook, Jonathan Palmer
Celery Top Pine - Kathy Allen
Law Dome (first PC of chemical species) - Mark, Tas, Andrew Moy, Tessa Vance
(not sure who needs to be directly attributed of this group)

Can people on the above list please confirm whether or not they would like to be involved as coauthors (and all subsequent reviews, revisions, copyright transfer agreements etc etc) or would simply prefer to be acknowledged as data contributors and present your own analyses in the papers you have identified for the special issue.

If your record does not appear in the data contributor list above then it was not used for this particular analysis. As such, can you please confirm whether or not you would like the opportunity to still contribute to this paper. If you do want to be involved, please outline your proposed 'value added' contribution for consideration by the core team and contributing coauthors.

For fairness to the (early career) researchers directly involved in this study, *simply reading the manuscript and providing general editorial comments will not constitute co-authorship.*

Please response to this email by **Friday 16 September**. If I don't hear from you, we'll assume you want to be left off further correspondence and the paper.

Once each of you have responded, I will let the coauthors know when the manuscript will be ready for review.

Thanks for your help with this...I hope your own preparations for the special issue are progressing well.

All the best

Joelle

----- End of Forwarded Message

From: [Joelle Gergis](#)
To: [Janice Lough](#)
Subject: Re: Aus2K temperature reconstruction - your response required
Date: Friday, 16 September 2011 14:25:33 PM
Attachments: [1644_Yan.pdf](#)
[1565_Li et al.pdf](#)

Hi Janice, that sounds great.

How about we include you on the 'potential coauthor' list and we can take it from there. In particular, I'd value your comments on my interpretation of the tropical-extra tropical interactions observed from late 18th to early 19th centuries (also reported in your recent Paleoclimatology paper).

Good luck switching into palaeo mode!

Joelle

PS: I've attached two new ENSO papers for your reading list just in case you've haven't seen them...conflicting conclusions but still may be of use for your special issue paper

On 16/09/11 1:59 PM, "Janice Lough" <J.Lough@aims.gov.au> wrote:

Hi Joelle

Thanks for your mail and prompting -- have been very busy "clearing the decks" in order to go into paleoclimate mode!

I would be happy to proceed as co-author if you consider I can make a contribution -- I can always fall back to the "project member" acknowledgement" if we feel my input is not substantial enough.

What do you think?

Best wishes

Janice

Dr Janice M Lough
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Australian Institute of Marine Science
PMB 3, Townsville MC
Queensland 4810
AUSTRALIA

e-mail: j.lough@aims.gov.au

T: 07 47534248
M: 0438 970 999

From: Joelle Gergis [<mailto:jgergis@unimelb.edu.au>]
Sent: Friday, 16 September 2011 11:51 AM
To: Janice Lough
Subject: Re: Aus2K temperature reconstruction - your response required

Dear Janice

I hope this email finds you well.

Can you please confirm whether you would like to proceed as a coauthor providing comments on the manuscript etc, or prefer to be acknowledged in the 'Aus2K Project Members' category (see example from the Arctic group attached)?

I know you are busy so understand if you don't have the time outside of the 'coral' contribution to the special issue, but please know that we would value your input if you think it is possible.

Hope to hear from you when you get a moment.

Thanks

Joelle

From: [Joelle Gergis](#)
To: [Janice Lough](#)
Subject: Re: Aus2K temperature reconstruction - your response required
Date: Friday, 16 September 2011 11:51:05 AM
Attachments: [1240_Kaufman_Science09.pdf](#)

Dear Janice

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All the best

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From: [Joelle Gergis](#)
To: [Andrew Lorrey](#); [Steven J Phipps](#); [Christian Turney](#); [Tas van Ommen](#); [Mark Curran](#); [Andrew Moy](#); [Jonathan Palmer](#); [Janice Lough](#); [Tim Cooper](#); tessa.vance@utas.edu.au; [Kathryn Allen \(Sci\)](#); [Edward Cook](#); [Helen McGregor](#); [Pauline Grierson](#)
Cc: [Raphael Neukom](#); [Ailie Jane Eyre Gallant](#); [David John Karoly](#)
Subject: Re: Aus2K temperature reconstruction - further clarifications
Date: Thursday, 8 September 2011 12:18:46 PM
Attachments: [layout_Luterbacher_etal_Chapter2_2011_May_FINAL.doc](#)

Hi everyone

There seems to be some confusion around the email I sent earlier this week.

I made the mistake of calling the temperature reconstruction **research paper** I am working on for the JoC special issue the Aus2K synthesis paper.

This was wrong/misleading and I apologise if it caused concern or confusion.

As I understand it, there will be two main Aus2K outputs:

1. Journal of Climate special issue papers (including my multi proxy temperature **research paper** NOT synthesis paper)
2. Aus2K group synthesis chapter for the PAGES Regional 2K network book

Having a special issue is an opportunity for the whole group to assemble their best work on temperature, precipitation etc on annual and low frequency timescales that can then be assembled into our group's multi authored synthesis chapter.

It will be coordinated by the steering committee drawing on pulling together everyone research papers.

For this it would be extremely helpful to have THE WHOLE GROUP's input to form the core Aus2K product.

Please see attached example of the Mediterranean group's book chapter.

So to clarify, the email below that was sent out earlier this week refers NOT to the Aus2K group's SYNTHESIS chapter, but just my multi proxy temperature RESEARCH paper for the JoC special issue.

It is relevant to data contributors whose record/s have or have not been included in this temperature study. The purpose was to identify people that will be a formal coauthor or simply acknowledged to keep the paper manageable and attributed to the appropriate people.

Hope this helps clear things up.

All the best

Joelle

--

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<http://climatehistory.com.au>

On 6/09/11 10:46 AM, "Joelle Gergis" <jgergis@unimelb.edu.au> wrote:

Hi everyone

At the workshop in Perth, the following people put their hand up as a potential contributor to the Aus2k temperature 'synthesis' paper:

Joelle Gergis
Raphael Neukom
Ailie Gallant
Drew Lorrey
Steve Phipps
Chris Turney
Tas van Ommen
Mark Curran
Andrew Moy
Jonathan Palmer
Janice Lough
Tim Cooper
Tessa Vance
Kathy Allen
Ed Cook
Helen McGregor
Pauline Grierson

As a reminder, here is the co-authorship policy that Tas proposed and we all agreed upon:

Policy on co-authorship agreed between PAGES AUS2K group:

Data providers will not automatically be included as coauthors on AUS2K papers.

However, at the outset of the study, they will be recognised and briefed on the existence of the manuscript and the opportunity will be given for them to be further involved. Further involvement must include providing 'value added' information to the study. If a data provider makes a decision not to be involved, they will be acknowledged and cited in the paper, but will not be included as a coauthor.

At the moment, the temperature reconstruction paper is under internal review among the core team who have been directly involved in the analytical work and/or provided substantial direction on the statistical analysis and/or dynamical interpretation of the results.

To ensure this paper remains manageable, the next step is for me to figure out who out of the list above will be included as contributing coauthors on the paper.

The following records provided by people on the above list have provided (non ITRDB) data that contributes to the the warm season temperature reconstruction (SONDJF) and model comparison we present in the paper:

CSIRO Mark 3L model simulations
Huon Pine (as per JQS, 2006) - Ed Cook
Silver Pine (as per JQS, 2006) - Ed Cook, Jonathan Palmer
Celery Top Pine - Kathy Allen
Law Dome (first PC of chemical species) - Mark, Tas, Andrew Moy, Tessa Vance
(not sure who needs to be directly attributed of this group)

Can people on the above list please confirm whether or not they would like to be involved as coauthors (and all subsequent reviews, revisions, copyright transfer agreements etc etc) or would simply prefer to be acknowledged as data contributors and present your own analyses in the papers you have identified for the special issue.

If your record does not appear in the data contributor list above then it was not used for this particular analysis. As such, can you please confirm whether or not you would like the opportunity to still contribute to this paper. If you do want to be involved, please outline your proposed 'value added' contribution for consideration by the core team and contributing coauthors.

For fairness to the (early career) researchers directly involved in this study, *simply reading the manuscript and providing general editorial comments will not constitute co-authorship.*

Please response to this email by **Friday 16 September**. If I don't hear from you, we'll assume you want to be left off further correspondence and the paper.

Once each of you have responded, I will let the coauthors know when the manuscript will be ready for review.

Thanks for your help with this...I hope your own preparations for the special issue are progressing well.

All the best

Joelle

From: [Joelle Gergis](#)
To: [Andrew Lorrey](#); [Steven J Phipps](#); [Christian Turney](#); [Tas van Ommen](#); [Mark Curran](#); [Andrew Moy](#); [Jonathan Palmer](#); [Janice Lough](#); [Tim Cooper](#); tessa.vance@utas.edu.au; [Kathryn Allen \(Sci\)](#); [Edward Cook](#); [Helen McGregor](#); [Pauline Grierson](#)
Cc: [Raphael Neukom](#); [Ailie Jane Eyre Gallant](#); [David John Karoly](#)
Subject: Aus2K temperature reconstruction - your response required
Date: Tuesday, 6 September 2011 10:46:44 AM

Hi everyone

At the workshop in Perth, the following people put their hand up as a potential contributor to the Aus2k temperature 'synthesis' paper:

Joelle Gergis
Raphael Neukom
Ailie Gallant
Drew Lorrey
Steve Phipps
Chris Turney
Tas van Ommen
Mark Curran
Andrew Moy
Jonathan Palmer
Janice Lough
Tim Cooper
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Helen McGregor
Pauline Grierson

As a reminder, here is the co-authorship policy that Tas proposed and we all agreed upon:

Policy on co-authorship agreed between PAGES AUS2K group:

Data providers will not automatically be included as coauthors on AUS2K papers. However, at the outset of the study, they will be recognised and briefed on the existence of the manuscript and the opportunity will be given for them to be further involved. Further involvement must include providing 'value added' information to the study. If a data provider makes a decision not to be involved, they will be acknowledged and cited in the paper, but will not be included as a coauthor.

At the moment, the temperature reconstruction paper is under internal review among the core team who have been directly involved in the analytical work and/or provided substantial direction on the statistical analysis and/or dynamical interpretation of the results.

To ensure this paper remains manageable, the next step is for me to figure out who out of the list above will be included as contributing coauthors on the paper.

The following records provided by people on the above list have provided (non ITRDB) data that contributes to the the warm season temperature reconstruction (SONDJF) and model comparison we present in the paper:

CSIRO Mark 3L model simulations

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Silver Pine (as per JQS, 2006) - Ed Cook, Jonathan Palmer

Celery Top Pine - Kathy Allen

Law Dome (first PC of chemical species) - Mark, Tas, Andrew Moy, Tessa Vance (not sure who needs to be directly attributed of this group)

Can people on the above list please confirm whether or not they would like to be involved as coauthors (and all subsequent reviews, revisions, copyright transfer agreements etc etc) or would simply prefer to be acknowledged as data contributors and present your own analyses in the papers you have identified for the special issue.

If your record does not appear in the data contributor list above then it was not used for this particular analysis. As such, can you please confirm whether or not you would like the opportunity to still contribute to this paper. If you do want to be involved, please outline your proposed 'value added' contribution for consideration by the core team and contributing coauthors.

For fairness to the (early career) researchers directly involved in this study, *simply reading the manuscript and providing general editorial comments will not constitute co-authorship.*

Please response to this email by **Friday 16 September**. If I don't hear from you, we'll assume you want to be left off further correspondence and the paper.

Once each of you have responded, I will let the coauthors know when the manuscript will be ready for review.

Thanks for your help with this...I hope your own preparations for the special issue are progressing well.

All the best

Joelle

--

Dr Joelle Gergis

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Fax: +61 3 834 47761
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<http://climatehistory.com.au>

From: [Joelle Gergis](#)
To: [Pauline Grierson](#); [Andrew Lorrey](#); [Andrew Moy](#); [Cameron Barr](#); [Charlotte Cook](#); [Christian Turney](#); [David Etheridge](#); [Ed Cook](#); [Grzegorz Skrzypek](#); [Helen McGregor](#); [Janice Lough](#); [Joel Pedro](#); [Jonathan Palmer](#); [Karl-Heinz Wyrwoll](#); [Kathryn Allen](#); [Lou Cullen](#); [Malcolm McCulloch](#); [Mark Curran](#); [Michael Fletcher](#); [Peter Gell](#); [Raphael Neukom](#); [Ross Edwards](#); [Russell Drysdale](#); [Sandy Harrison](#); [Scott Mooney](#); [Steven Phipps](#); [Tas van Onnen](#); tessa.vance@utas.edu.au; [Tim Cooper](#); [Yun Li](#); [Allie Gallant](#); [Alison O'Donnell](#); [Ian Goodwin](#)
Subject: Aus2K workshop report and Journal of Climate author guide attached
Date: Wednesday, 20 July 2011 12:55:28 PM
Attachments: [JoC_briefauthguide.pdf](#)
[2nd_Aus2k_Report_2011.pdf](#)

Hi everyone

Please find our 2nd Aus2K workshop report attached.

I've also attached the Journal of Climate author guide to help with your preparations for the Aus2K special issue.

Look forward to catching up with some of you at INQUA and/or the PAGES Regional 2K network meeting next week in Switzerland.

All the best

Joelle

--

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From: [Joelle Gergis](#)
To: [allenk](#); [Kathryn Allen](#); [Mark Curran](#); [Tas van Ommen](#); [Jonathan Palmer](#); [Helen McGregor](#); [Steven J Phipps](#); [Andrew Lorrey](#); [Scott Mooney](#); [Janice Lough](#); [Ailie Gallant](#); [Michael Fletcher](#); [Russell Drysdale](#); [kari-heinz.wyrwoll@uwa.edu.au](#)
Cc: [Raphael Neukom](#)
Subject: Aus2K Journal of Climate special issue paper
Date: Tuesday, 3 May 2011 11:17:09 AM
Attachments: [Aus2K_JoC_proposed_paper_list.doc](#)
[Garreaud et al 2009.pdf](#)

Hi everyone

Can you please send me the proposed title and author list for your Journal of Climate paper by **this Friday 6 May**?

As mentioned last week, I would like to approach the federal Department of Climate Change and Energy Efficiency (DCCEE) with a compelling proposal to fund our Aus2K special issue. As you all know, government departments are more open to this sort of request at the end of financial year so we need to move quickly with this.

Please see the attached list of papers to jog your memory.

There are a couple of double ups, so some of you may want to consider what is realistic in the timeframe and funding constraints. Remember the focus is on multi archive/record comparisons. If you are unsure of what other records you could use, please feel free to call/email me to discuss.

If you haven't already, now might be the time to contact your colleagues that were not present at the workshop to gauge their interest and possible contribution so we can finalise the list.

One paper that was not discussed (but I have spoken to Drew about previously) is a climatological 'scene setter' describing the key dynamical features influencing the region and how they influence temperature and rainfall. It could also cover observational data availability and issues.

Raphael Neukom passed on the South America2k group's equivalent (see attached) and said it is heavily cited as palaeo folks are often looking for a handy overview paper to describe the 'modern climate' context.

Personally I think it is important, but would be interested to get your comments when you contact me regarding your paper title.

In terms of the group Australasian mean temperature reconstruction, I'd appreciate it if you can pass on your proxy selection information and/or additional data as soon as possible, but please **no later than than 31 May**. As you'd be aware, the next full Regional 2K network meeting in Bern is in 28 July and these reconstructions don't happen overnight.

Anyhow, I'll leave it there for now. Thanks again for a great meeting last week, I look forward to seeing what's possible.

Joelle

--

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<http://climatehistory.com.au>

From: [Joelle Gergis](#)
To: [Pauline Grierson](#); [Alexandra Rouillard](#); [Andrew Lorrey](#); [Andrew Moy](#); [Cameron Barr](#); [Charlotte Cook](#); [Christian Turney](#); [David Etheridge](#); [Ed Cook](#); [Grzegorz Skrzypek](#); [Helen McGregor](#); [Janice Lough](#); [Joel Pedro](#); [Jonathan Palmer](#); [Karl-Heinz Wyrwoll](#); [Kathryn Allen](#); [Lou Cullen](#); [Malcolm McCulloch](#); [Mark Curran](#); [Michael Fletcher](#); [Peter Gell](#); [Raphael Neukom](#); [Ross Edwards](#); [Russell Drysdale](#); [Sandy Harrison](#); [Scott Mooney](#); [Steven Phipps](#); [Tas van Ommen](#); tessa.vance@utas.edu.au; [Tim Cooper](#); [Yun Li](#); [Ailie Gallant](#); [Alison O'Donnell](#); [Ian Goodwin](#)
Cc: [Anand Chandrasekhar](#); [Thorsten Kiefer](#)
Subject: Final Aus2K workshop program attached
Date: Thursday, 21 April 2011 11:34:31 AM
Attachments: [2nd Aus2K Regional Network Workshop_Final.pdf](#)

Hi everyone

Please find the final program for next week's Aus2K workshop attached.

Look forward to seeing you all in Perth on Wednesday.

All the best

Joelle

--

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Fax: +61 3 834 47761
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<http://climatehistory.com.au>

From: [Joelle Gergis](#)
To: [Janice Lough](#)
Cc: [Linden Ashcroft](#)
Subject: Historical climate data for New England NSW
Date: Monday, 11 April 2011 13:20:40 PM

Thanks Janice

I've copied in Linden Ashcroft our PhD student who is working on recovering early instrumental data.

If it hasn't been digitised elsewhere, perhaps we can add it to our volunteer tasks:

<http://ozdocs.climatehistory.com.au>

All the best

Joelle

On 11/04/11 12:44 PM, "Janice Lough" <J.Lough@aims.gov.au> wrote:

Hi Heather

Thanks for your email – looks like a fascinating set of documents.

I am forwarding this to Joelle Gergis at the University of Melbourne who is an expert in extracting weather/climate information from historical documents and she may be better able to advise you about extracting the data.

Best wishes

Janice

Dr Janice M Lough
Senior Principal Research Scientist
Australian Institute of Marine Science
PMB 3, Townsville MC
Queensland 4810
AUSTRALIA

e-mail: j.lough@aims.gov.au

T: 07 47534248

M: 0438 970 999

From: Heather Stevens [<mailto:heather.r.stevens@gmail.com>]
Sent: Monday, 11 April 2011 12:02 PM

To: Janice Lough
Subject: historical climate data

Hello Janice,

I was fortunate to catch your presentation at last weeks conference, it was really interesting and insightful!

I'm at the university of Newcastle. We've recently gotten hold of a farmers meteorological data from the years 1877-1907. It's currently only in 'scanned' format, it hasn't yet been turned into usable data.

I wanted to know if you'd know of anyone who might be interested in doing this work. Currently our library doesn't have the resources to do it, and I imagine it's quite a laborious job! But i'm sure that the data would be really useful to lots of scientists.

Seems a shame that at the moment it's just sitting quietly in our library not being used! The website to see a copy of the records is at the bottom of this page :<http://uoncc.wordpress.com/2011/03/09/climate-archive-to-help-predict-extreme-weather-events/>

Thanks again for an interesting presentation

Heather Stevens

--

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all copies of this transmission together with any attachments.

From: [Joelle Gergis](mailto:Joelle.Gergis)
To: [Janice Lough](mailto:Janice.Lough)
Subject: Thanks!
Date: Monday, 28 March 2011 08:20:26 AM

Fantastic, thanks very much for passing this on Janice.

I look forward to reading through your new work and running the data.

Thanks again,

Joelle

On 27/03/11 2:48 PM, "Janice Lough" <J.Lough@aims.gov.au> wrote:

Hi Joelle

Thanks for the update & looking forward to the meeting.

Attached FYI are proofs of Paleoceanography paper with new Qld summer rainfall reconstruction (should be published any day now).

Also attached is Excel file containing the cascade of reconstructions (different # of cores and therefore periods) and instrumental rainfall record if you wanted to try some spatial field correlations (Figure 5 in the paper does that for SST). Note reconstructions are for summer (Oct-Mar) dated by 2nd year.

Best wishes

Janice

Dr Janice M Lough
Senior Principal Research Scientist
Australian Institute of Marine Science
PMB 3, Townsville MC
Queensland 4810
AUSTRALIA

e-mail: j.lough@aims.gov.au

T: 07 47534248

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From: Joelle Gergis [<mailto:jgergis@unimelb.edu.au>]

Sent: Friday, 25 March 2011 16:26 PM

To: Ed Cook; Julia Cole; Janice Lough; Ian Goodwin; Tas van Ommen; Kathryn Allen (Sci); Saunders Krystyna; Russell Drysdale; Helen McGregor; Peter Kershaw; Cameron

Barr; Peter Gell; Scott Mooney; Raphael Neukom; Michael Fletcher; Ross Edwards; Yun Li; Mark Curran; sharriso@science.mq.edu.au; Ian Goodwin; S.Pearson@adfa.edu.au; buki@cyllene.uwa.edu.au; will.steffen@anu.edu.au; tessa.vance@utas.edu.au; Karl Braganza; Charlotte Cook

Cc: Pauline.Grierson@uwa.edu.au; Christian Turney; Andrew Lorrey; Steven Phipps; Jonathan Palmer; Louise Newman; Lucien von Gunten; Anand Chandrasekhar; David Karoly

Subject: Program for 2nd Aus2K workshop, 27-29 April

Hi everyone

Please find the proposed program for the 2nd Aus2K workshop from 27-29 April in Perth.

If you feel there are any key elements missing from the program, or would like clarification regarding the scope of your presentation/participation, please feel free to be in touch.

Pauline will be in touch shortly with logistical details about the venue and our workshop dinner.

Looking forward to a productive and inspiring meeting next month.

All the best

Joelle

From: [Joelle Gergis](#)
To: [Janice Lough](#); [Patrick Baker](#); [Jonathan Palmer](#); [Tas van Ommen](#); sharriso@science.mq.edu.au; [Andrew Lorrey](#); [Ian Goodwin](#); [Saunders Krystyna](#); [TREBLE, Pauline](#)
Cc: [Turney, Christian](#); [Steven J Phipps](#); [Pauline Grierson](#)
Subject: Aus2K update
Date: Wednesday, 27 October 2010 23:31:45 PM

Hello proxy group leaders

This is just a quick email to let you know that the federal Department of Climate Change and Energy Efficiency (DCCEE) has funded a small Aus2K proposal.

The funds will allow us to employ a post-doc at the University of Melbourne for 12 months to develop a palaeo database to support the Aus2K group.

As mentioned below, this database will be accessible to all contributing members of Aus2K to pursue your given research interest.

Once we have drafted a position description, I will pass it on to you to circulate through your networks.

In the meantime, if you know of any talented science database developers looking for work, please let us know!

We also recently finalised the dates for the 2nd Aus2K workshop: it will be held in **Perth from 26-28 April 2011** (kindly hosted by Pauline Grierson at the University of WA).

We are still working on the agenda, but please mark your diaries from now.

Thanks to those of you who have already contributed metadata and/or numerical data. I hope to import the metadata files into the PAGES website once we've received information from each proxy group.

Please feel free to be in touch if you have any questions.

All the best

Joelle

--

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On 4/08/10 3:02 PM, "Joelle Gergis" <jgergis@unimelb.edu.au> wrote:

Hi everyone

During our recent Aus2K workshop in Melbourne, you were identified/dobbed in as a 'proxy group leader'.

To refresh your memory, here is the list of proxy groups:

Speleothems: **Pauline Treble**, Matt Fischer, Russell Drysdale, Mike Gagan, Andrew Lorrey

Tree rings: **Patrick Baker**, **Jonathan Palmer**, Pauline Grierson, Stuart Pearson, Andrew Lorrey

Charcoal: **Sandy Harrison**, Simon Haberle, Scott Mooney, Janelle Stevenson,

Coral: **Janice Lough**, Mike Gagan, Helen McGregor, Steven Phipps

Ice core: **Tas van Ommen**, Ian Goodwin, Mark Curran, David Etheridge

Terrestrial sediments: **Krystyna Saunders**, Peter Kershaw, Peter Gell

Marine sediments: **Jessica Reeves**, (to contact Neville Exon, Patrick DeDekker etc)

Instrumental observations: **Joelle Gergis**, **Andrew Lorrey**

Coastal deposits: **Ian Goodwin** (others?)

Glacial landforms: **Andrew Lorrey** (others?)

****Please note that we need to include NZ sedimentary experts to make sure this effort encompasses Australasia and not just Australia****

Following on from the workshop, we'd now like to get moving on a template for populating the Aus2K metadatabase on the PAGES website:

<http://www.pages-igbp.org/cgi-bin/WebObjects/metadb.woa/wa/group?group=aus2k>

This will essentially provide an inventory of all the records from our region that span the last 2K and could be used in annual–decadal climate reconstructions (see the LOTRED-South America group's metadatabase for an example of the end result).

Ultimately, we will then move on from this metadatabase inventory to a fully functional database containing the actual data. This would then be made accessible to all contributing members of Aus2K to pursue your given research interest.

So to try and get things moving, I've attached a Excel spreadsheet that contains fields that correspond to the PAGES metadatabase (also attached).

I've entered a few dummy records for the monthly-annually resolved records so you can see what it looks like.

In particular, we need advice from the sedimentary groups but I've made a start in the blank sheet of the Excel template.

Given the aim of this group is to compile multi-variate, annual-decadally resolved climate reconstructions, I think we need to filter the sedimentary records in some way.

To see what I am talking about, please see the OzPacs diatom spreadsheet (attached) taken from this site:

<http://www.aqua.org.au/Archive/OZPACS/OZPACS.html>

At the moment there is a 'dating resolution' field in the PAGES metadatabase where the total number of dates covering the last 2000 years can be entered (see PDF of fields attached).

As a suggestion, for the specific needs of the Aus2K synthesis effort, should a given sedimentary record need to have a minimum of 10 samples for the 1000AD to present ?

As a proxy leader, we'd like you to be the contact person responsible for coordinating the collation of the metadata for your records, and then pass the completed template back to us to import into the PAGES metadatabase.

But for now, it would be great if you could please:

- Check the metadata fields and Excel template attached and liaise with others in your groups for comments
- Save your collective suggestions in the Excel template
- Email the revised template back to me

Once we've incorporated everyone's suggestions, I will then circulate the final template to get your groups started.

It would be great to receive your comments by **Friday 13 August**. In the meantime, please feel free to contact me with questions.

I know how busy you are, so thanks in advance for your help with this. We hope you can see how this task will directly benefit your research and advances in Australasian palaeoscience on this critical timescale.

Looking forward to the great science that lies ahead...

Joelle

From: [Joelle Gergis](#)
To: [Casari, Carolina](#); [Vitkovsky, John](#); [Harding, Paul](#); [Day, Ken \(Indooroopilly\)](#); [Syktus, Jozef](#); [Janice Lough](#); [Jonathan Nott](#); [Andy Baker](#)
Subject: Re: DERM draft discussion paper on Palaeoclimatology
Date: Friday, 3 September 2010 12:53:44 PM
Attachments: [898 Harle AGO palaeo-science.pdf](#)
[MDB Palaeo report.pdf](#)

Hi Carolina

Thanks for sending this draft through.

Unfortunately I don't have time to read this document extensively, I did want to make a couple of very quick comments.

While I understand this is an internal document and you are not a researcher, there is huge amount of copyright infringement/plagiarism throughout the document. **Any material that is not your own must be referenced correctly attributing the original authors to the intellectual material presented.**

You could run into considerable trouble with IP theft if this document accidentally finds its way onto the internet. Please confirm that this document will remain confidential and on a secure, publically restricted server..

Furthermore, PowerPoint presentations are not legitimate reference sources as they very often contain non peer-reviewed material and/or work in progress. I am very uncomfortable with the citation of a presentation I gave as a PhD student in the section that deals with my research so please remove it.

Here are the correct citations for my ENSO reconstruction work:

Gergis, J. and Fowler, A. (2009). A history of El Niño–Southern Oscillation (ENSO) events since A.D. 1525: implications for future climate change. *Climatic Change* **92** (3): 343-387.

Gergis, J., Braganza, K., Fowler, A., Risbey, J. and Mooney, S. (2006). Reconstructing El Niño–Southern Oscillation (ENSO) from high-resolution palaeoarchives. *Journal of Quaternary Science* **21** (7): 707-722.

Braganza, K., Gergis, J., Power, S., Risbey, J. and Fowler, A. (2009). A multiproxy index of the El Niño–Southern Oscillation, A.D. 1525–1982. *Journal of Geophysical Research* **114** (D5): D05106.

You may not be aware of the attached review of Australian palaeo science compiled by Harle et al and Gell et al so they are attached here.

Hope this helps

Joelle

--

Dr Joelle Gergis

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On 2/09/10 2:55 PM, "Casaril Carolina" <Carolina.Casaril@derm.qld.gov.au> wrote:

Ladies and Gentlemen,

You have all directly or indirectly contributed to (or shown interest in) a discussion paper which I have written for my work unit: Regional Water Supplies, Queensland Department of Environment and Resource Management.

This discussion paper is the result of what is essentially a cursory examination of the potential usefulness of palaeoclimatic proxies for 50yr water supply policies (Regional Water Supply Strategies). Due to the very basic nature of this work, I would be very grateful for all your reviews, particularly with regard to correct interpretation of what is essentially a field I know little of. It is only a first draft!

Additionally, those of you in QCCCE or ERS would be welcome to discuss ideas on how this might be relevant to your/our work (LoS?)... or is already relevant to your work, particularly with regards to water management perhaps.

I have refrained from drawing too many conclusions of my own, making this very much a 'literature review'. So I would like to both thank the principal contributors of data/papers for this, but also encourage you to correct me where I am wrong, or draw further conclusions.

I would also like to highlight that this document is not for publication. It is a discussion and information paper only. It will never be published, although some of the results and conclusions might be used in Regional Water Supply Strategies. I have nonetheless attempted to use standard referencing and acknowledgement protocols as if it were a publication, however my forte is policy writing not papers so I apologise if the referencing system is not perfect. Feel free to correct anything once again!

I look forward to hearing any thoughts or feedback on this, the very first draft!

If you have any questions, do not hesitate to contact me.
Having said that, I'm out of the office next week for World Water Week.

Sincerely,

Carolina J. Casaril
Senior Project Officer
Regional Water Supplies
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Department of Environment and Resource Management
<**blocked::**<http://www.derm.qld.gov.au/>>
Level Eleven, <**blocked::**<http://www.derm.qld.gov.au/>>
400 George st <**blocked::**<http://www.derm.qld.gov.au/>>
Brisbane QLD 4000 <**blocked::**<http://www.derm.qld.gov.au/>>
GPO 2454, Brisbane QLD 4001 <**blocked::**<http://www.derm.qld.gov.au/>>

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Think B4U Print

1 ream of paper = 6% of a tree and 5.4kg CO2 in the atmosphere

3 sheets of A4 paper = 1 litre of water

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From: [Joelle Gergis](#)
To: [Janice Lough](#)
Subject: Aus2K metadatabase template - thank you
Date: Wednesday, 1 September 2010 08:31:07 AM

Many thanks for this Janice, what a great effort; I wish the other groups were as diligent!

I will respond to your suggestions for the template to everyone as soon as possible. Pressing deadline for our Climate Dynamics papers to knock over first.

Thanks once again for all your help with this...

Joelle

On 31/08/10 12:00 PM, "Janice Lough" <J.Lough@aims.gov.au> wrote:

Hi Joelle

Many apologies for the delay in getting back to you – all the usual excuses apply!

The easiest way for me to address your questions was just to enter the coral metadata (all the data I am aware of in the 2k timeframe) – see attached (noting that I have spread out into the Pacific and Indian Oceans).

The template seems to work fine but have following comments:

- 1) useful to add the NOAA Paleoclimate database contribution #
- 2) will there be an Aus2k contribution ID#?
- 3) For corals, I think it would also be useful to put in the core ID # - just put this in the Comment column at present (especially important if different tracers are measured from the same core)
- 4) I added a sheet with temporal resolution >1-5years (e.g. Hendy et al and Calvo et al data – measured in 5-yr blocks)
- 5) On the PAGES Aus2k webpage sheet under "Proxy", "Fluorescence" is a category – for corals this would be better as "coral luminescence"

Hope this helps & any other comments appreciated.

Best wishes

Janice

Janice M. Lough
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Australia

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Tel: (07) 47 534248
Fax: (07) 47 725852
Mobile: 0438970999

From: Joelle Gergis [<mailto:jgergis@unimelb.edu.au>]
Sent: Wednesday, 4 August 2010 15:02 PM
To: Janice Lough; Patrick Baker; Jonathan Palmer; Tas van Ommen;
sharriso@science.mq.edu.au; Andrew Lorrey; Ian Goodwin;
jessica.reeves@rmit.edu.au; Saunders Krystyna
Cc: Turney, Christian; Steven J Phipps; Raphael Neukom; Louise Newman
Subject: Draft Aus2K metadatabase template - your comments required

Hi everyone

During our recent Aus2K workshop in Melbourne, you were identified/dobbed in as a 'proxy group leader'.

To refresh your memory, here is the list of proxy groups:

Speleothems: **Pauline Treble**, Matt Fischer, Russell Drysdale, Mike Gagan, Andrew Lorrey

Tree rings: **Patrick Baker**, **Jonathan Palmer**, Pauline Grierson, Stuart Pearson, Andrew Lorrey

Charcoal: **Sandy Harrison**, Simon Haberle, Scott Mooney, Janelle Stevenson,

Coral: **Janice Lough**, Mike Gagan, Helen McGregor, Steven Phipps

Ice core: **Tas van Ommen**, Ian Goodwin, Mark Curran, David Etheridge

Terrestrial sediments: **Krystyna Saunders**, Peter Kershaw, Peter Gell

Marine sediments: **Jessica Reeves**, (to contact Neville Exon, Patrick DeDekker etc)

Instrumental observations: **Joelle Gergis**, **Andrew Lorrey**

Coastal deposits: **Ian Goodwin** (others?)

Glacial landforms: **Andrew Lorrey** (others?)

****Please note that we need to include NZ sedimentary experts to make sure this effort encompasses Australasia and not just Australia****

Following on from the workshop, we'd now like to get moving on a template for populating the Aus2K metadatabase on the PAGES website:

<http://www.pages-igbp.org/cgi-bin/WebObjects/metadb.woa/wa/group?group=aus2k>

This will essentially provide an inventory of all the records from our region that span the last 2K and could be used in annual-decadal climate reconstructions (see the LOTRED-South America group's metadatabase for an example of the end result).

Ultimately, we will then move on from this metadatabase inventory to a fully functional database containing the actual data. This would then be made accessible to all contributing members of Aus2K to pursue your given research interest.

So to try and get things moving, I've attached a Excel spreadsheet that contains

fields that correspond to the PAGES metadatabase (also attached).

I've entered a few dummy records for the monthly-annually resolved records so you can see what it looks like.

In particular, we need advice from the sedimentary groups but I've made a start in the blank sheet of the Excel template.

Given the aim of this group is to compile multi-variate, annual-decadally resolved climate reconstructions, I think we need to filter the sedimentary records in some way.

To see what I am talking about, please see the OzPacs diatom spreadsheet (attached) taken from this site:

<http://www.aqua.org.au/Archive/OZPACS/OZPACS.html>

At the moment there is a 'dating resolution' field in the PAGES metadatabase where the total number of dates covering the last 2000 years can be entered (see PDF of fields attached).

As a suggestion, for the specific needs of the Aus2K synthesis effort, should a given sedimentary record need to have a minimum of 10 samples for the 1000AD to present ?

As a proxy leader, we'd like you to be the contact person responsible for coordinating the collation of the metadata for your records, and then pass the completed template back to us to import into the PAGES metadatabase.

But for now, it would be great if you could please:

- Check the metadata fields and Excel template attached and liaise with others in your groups for comments
- Save your collective suggestions in the Excel template
- Email the revised template back to me

Once we've incorporated everyone's suggestions, I will then circulate the final template to get your groups started.

It would be great to receive your comments by **Friday 13 August**. In the meantime, please feel free to contact me with questions.

I know how busy you are, so thanks in advance for your help with this. We hope you can see how this task will directly benefit your research and advances in Australasian palaeoscience on this critical timescale.

Looking forward to the great science that lies ahead...

Joelle

From: [Joelle Gergis](#)
To: [Janice Lough](#); [Patrick Baker](#); [Jonathan Palmer](#); [Tas van Ommen](#); [sharriso@science.mq.edu.au](#); [Andrew Lorrey](#); [Ian Goodwin](#); [jessica.reeves@mit.edu.au](#); [Saunders Krystyna](#)
Cc: [Turney, Christian](#); [Steven J Phipps](#); [Raphael Neukom](#); [Louise Newman](#)
Subject: Draft Aus2K metadatabase template - your comments required
Date: Wednesday, 4 August 2010 15:03:56 PM
Attachments: [PAGES metadata fields.pdf](#)
[OZPACS diatoms.xls](#)
[Aus2K Metadata template.xls](#)

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Looking forward to the great science that lies ahead...

Joelle

--

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From: [Joelle Gergis](#)
To: [Chris Turney](#); [Andrew Lorrey](#); [Michael Evans](#); [Andrew Lorrey](#); [Jonathan Palmer](#); [Peter Kershaw](#); [Louise Newman](#); [Steven J Phipps](#); [Janice Lough](#); [Tas.Van.ommen@aad.gov.au](#); [Pauline Grierson](#); [TREBLE, Pauline](#); [Patrick Baker](#); [Peter Gell](#); [jessica.reeves@rmit.edu.au](#); [SP Harrison](#); [Russell Drysdale](#); [Mark.Curran@utas.edu.au](#); [Ian Goodwin](#)
Subject: Aus2K discussion notes
Date: Wednesday, 2 June 2010 15:41:02 PM
Attachments: [AUS2K_data_discussion_notes.doc](#)

Hi everyone

Please find a brief outline of our Aus2K discussion attached.

I'm sure I missed things but I hope this helps.

All the best

Joelle

--

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<http://climatehistory.com.au>

From: [Joelle Gergis](#)
To: [Tas van Ommen](#); [TREBLE, Pauline](#); [Ian Goodwin](#); [David Karoly](#); [Matthew England](#); [Karl Braganza](#); [Will Steffen](#); [Mike Gagan](#); [Patrick Baker](#); [Janice Lough](#); [Peter Kershaw](#); [Steven J Phipps](#); [Jonathan Palmer](#); [Andrew Lorrey](#); [Louise Newman](#); [Michael Evans](#); [Simon Haberle](#)
Cc: [Turney, Christian](#); [Greta Harrison](#)
Subject: Information for your PAGES Aus2k presentation
Date: Friday, 16 April 2010 12:18:10 PM

Hi everyone

Thanks for agreeing to participate in the 1st Aus2k regional workshop (Mon 31 May- Wed 2 June).

So we can effectively structure the program, please submit your abstract to Greta Harrison (gretah@unimelb.edu.au) **no later than Tues 27 April**.

The abstract template and further information about the workshop can be found here:

<http://www.pages-igbp.org/science/2k/aus2k/aus2kmeeting2010.html>

As data synthesis is the aim of the workshop, we ask that you please collaborate with others in your field to first provide a brief 'state-of-the art' overview of recent advances relevant to the past 2K before showcasing your own research. Discussion of data availability, innovative attempts at data synthesis and examples of multi-disciplinary collaboration are particularly encouraged.

For those of you travelling from outside of Melbourne, please remember that AUD\$600 of your expenses will be reimbursed by our PAGES funds.

If you have any science-related questions, feel free to contact Joelle or Chris directly.

For all other queries, please contact Greta Harrison (but please note her work days are Tues, Wed and Thurs).

Thanks again for contributing to this effort in our region; we look forward to a great meeting in Melbourne next month.

All the best

Joelle and Chris

--

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