

**LGP WORKSHOP**  
**10am-12pm, Monday 4 July 2005, University of Canterbury**

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**Chair:** Clive-Howard-Williams (NIWA, LGP Science steering committee chair)

**Minutes:** Shulamit Gordon (Ant NZ, LGP Project Manager)

<b>Action Item for Shulamit to follow-up</b>
Ask the LGPers which of the key questions they are addressing in their research and which sub-questions
Include 'composition of free water' into question 4
Send out key questions to the Italian and US LGPers for comment
Add Roberta Farrell's group to LGP list
Literature review of past LGP related work. Use of a map to show where LGP related work has been undertaken
Need to finalise which guest editors will work on which papers for Antarctic Science special edition
Ant NZ to fund AWS?

**1. Key questions and who is addressing which ones?:**

- Clive gave a general introduction to the LGP, for those unfamiliar with it. Emphasised the framework approach and ran through the 8 key questions.
- Pointed out that there are a few other programmes like LGP such as RiSCC (soon to become EBA – Evolution and Biodiversity in Antarctica) and Northern RiSCC.
- We have relevant data for several sites, not just Cape Hallett e.g. penguin research around Ross Island and data from international collaborators such as the Italians at TNB.
- The LGP also incorporates the physical sciences e.g. data from Automatic Weather Stations.
- Want to ask the LGPers which of the key questions they are addressing in their research and which sub-questions (defined by the researcher) they are addressing (in recognition of how broad the key questions are). This will give us an idea of who is covering what, and if we are making any progress.
- Points were made that it is preferable that the key questions are kept broad-based.
- Hallett not such a great site to work at for the soil scientists as it is so effected by the presence of the birds. This just exemplifies how research adapts and evolves when studying new sites and how some groups may want to stay on at sites longer to answer new questions that arise.
- So the LGP does end up providing a framework for studies other than those towards climate change.
- The key questions are live/active; they can still be changed.
- To key question 4: request to insert availability and *composition* of free water. This will then include the geochemists into the picture.

- Importance of the Drygalski ice tongue discussed. Could have had an affect on the disappearance of Adelie colonies south of the ice tongue.
- Would like to see more interactions with the US and Italy on the key questions.
- LGP's success is dependent on the interaction between disciplines and across national programmes.

## **2. Bring in New LGPers**

- Asked if there was anyone not currently involved in the LGP who wanted to be. Shona Duncan and Roberta Farrell.
- There is no formal way for applying to work under the LGP. The links are just made.
- Want to encourage new groups to use the LGP as a starting point for their research as the groups within the LGP can offer support to each other. Particularly want inter-disciplinary groups to work together.
- Links between the NZ LGP researchers are quite spread out, but this doesn't seem to be an impediment.
- Suggestions for how to get the LGP word out. Possibly have regional contacts.
- If any groups are having a meeting on Antarctic science and would like a formal representative from the LGP, they should contact Shulamit and something can be arranged.
- Email works well for certain kinds of information, but face to face also works well.
- Would be good to have a map on the web site with the areas that are/have been worked on and the contacts.
- Can also use the metadata to find natural connections.
- Discussion on science vs logistics funding for the LGP.
- Ant NZ only gets logistics funding for LGP. Maybe should bid for some funds to enable the collection of the baseline met and soils data.

## **3. Discuss proposed timetable (found in April 05 LSSC meeting minutes)**

- The remaining sites were outlined.
- The La Gorce mountains are at high altitude, so may try for a more representative site near the Beardmore Glacier.
- Marine studies not possible under the Ross Ice Shelf at present.
- Noted that some people may want to continue working in the Darwin area after the 2 years of LGP research there.
- Those not working at LGP camps but still undertaking LGP-related work, should still be considered as part of LGP.
- If wanting to use boat operations in TNB area, best to be working in collaboration with the Italians.
- What about the smaller steps between the LGP identified sites? If there is a reason for studying these, then this should be put forward for consideration.

**4. Discussion on methodologies with reference to RiSCC methodologies**

- GIS highlighted as a useful tool for mapping and for baseline data.
- RiSCC methodologies not discussed.
- Pointed out that baseline data is being collected at each site visited and put on the web.

**5. *Antarctic Science* Special Edition publication**

- 18 LGP-related papers planned, with contributions from NZ, US and Italian researchers.
- Two new papers added to the list to be submitted. One removed.
- Need to finalise which guest editors will work on which papers.

**6. LGP poster for SCAR biology symposium**

- A4 version circulated.
- Some suggestions given to Shul, but good feedback overall.

**7. Feedback on the LGP website ([www.lgp.aq](http://www.lgp.aq))**

- Any feedback welcome to Shul.

**8. Importance of collecting current and retrospective metadata:**

- Importance of having good metadata highlighted.
- AWS data and LGP metadata on the LGP website along with the baseline data.
- Already used for information sharing with RiSCC.

**9. Need to ensure that key parameters continue to be measured throughout LGP**

- Ant NZ to fund AWS? Something to look into.

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### **LGP Workshop Attendees**