

# **BIBLIOGRAPHY ON PERMAFROST AND PERIGLACIAL PROCESSES AND LANDFORMS OF THE SOUTHERN HEMISPHERE.**

A report of the

Southern Hemisphere Working Group of the International Permafrost  
Association

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## INTRODUCTION

This is the first attempt that we know of to draw together references pertaining directly or indirectly to attributes of permafrost and/or periglacial landforms and processes of the Southern Hemisphere. The dominance of Northern Hemisphere references in the general literature overshadows the wealth of information stemming from work in many areas of the south – from high mountains, through cold, oceanic islands, to the ice-free areas of the Antarctic. Indeed, in many ways the Southern Hemisphere has a wider range of “cold” climates than does the North and, as such, provides many analogues for ice-free European or North American areas at the height of the last glacial. In this Bibliography there are approximately 1000 references in a variety of languages. Naturally it must be considered “work in progress” as, despite our best efforts, it is inevitable that we have missed many publications and reports. Nonetheless, it should provide a useful compilation as a starting point for anyone working in, or contemplating to work from, the Southern Hemisphere. As a living body of information, we also hope that it will stimulate corrections and additions that will be accessible to everyone via the Southern Hemisphere Working Group web site

(<http://www.natgeog.geo.uu.se/SHWG/>).

Many people provided references for the Bibliography while Neil Lamont and Lyndl Hall helped with the compilation. Amongst those who willingly provided information should be mentioned Ana-Lia Ahumada, Paul Augustinus, Jim Bockheim, Ian Campbell, Eric Colhoun, Bernard Francou, Mauro Guglielmin, Steve Holness, Ian Meiklejohn, Miguel Ramos, Enrique Serrano, Dario Trombotto. Much of the original work, particularly on the Antarctic regions, was undertaken by one of the authors (KH) during multiple visits to B.A.S., in Cambridge U.K., for which the support and help of David Walton and, in the BAS Library, Christine Phillips are gratefully acknowledged.

Although we have done our best to check a large percentage of the references it is inevitable that some input as sent to us, may have errors. We apologize for the inevitable frustration this will generate but, as a result of the combined interests of time for delivery and our other commitments, it simply was not possible to verify every item. For the ‘nuisance’ this may cause – we apologize *and* ask, as part of the ‘living document’ we now hope this will become, to send any corrections or problems to us at the web site so we may attempt to continually correct, improve and add to the Bibliography.

Any division of the Southern Hemisphere, for the purposes of breaking down the bibliography into workable units, is bound to have some degree or arbitrary or annoying boundaries. We have tried to minimize these by keeping to ‘larger’ geographical units that have some logical degree of coherence, e.g. “Africa”.

Nonetheless, two issues will arise. First, some references will cross over between one or more groupings (i.e. a paper may deal with the periglacial in Africa *and* the sub-Antarctic as a comparison). Second, some may not agree to where we have placed some specific Antarctic island group. The former cannot be helped and the latter is, at the end of the day, really not an issue – if you know where to find the references for a particular group then it will not really matter where they were placed in the first instance. Again, though, if there are any constructive suggestions we would be pleased to try and accommodate them.

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Key:

ANTARCTICA comprises the East and West Antarctic regions but *not* the Peninsula; islands (such as Alexander Island) at the southern end of the Peninsula are included here as too are any islands just off-shore of the continent).

Sub-ANTARCTIC comprises the islands considered to the north of the Antarctic Convergence and residing outside of the Antarctic Treaty area (e.g. Marion and Prince Edward Islands, Kerguelen Islands, Crozet islands, Heard and macquarie Islands, St. Paul and new Amsterdam Islands, the Falkland Islands (Islas Malvinas), etc).

MARITIME ANTARCTIC: comprises the islands to the south of the Antarctic Convergence and the region of the Antarctic Peninsula (and the islands close to that). Here are included South Georgia, the South Orkney's, the South Shetland's, etc.

AUSTRALASIA; all areas of Australia, New Zealand, Papua-New Guinea that are south of the equator.

SOUTHERN AFRICA: all areas of Africa south of the equator.

SOUTH AMERICA: all parts of South America south of the equator.

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