www.elsevier.com/locate/palaeo

Special Issue

The Paleoecological Record from Mountain Regions

Selected papers from: Open Science Conference, Global Change in Mountain Regions Perth (Scotland, U.K.) October 2–6, 2005

Sponsored by: UNESCO

Edited by William D. Gosling ^a, M. Jane Bunting ^b

^aDepartment of Earth and Environmental Sciences, CEPSAR, The Open University, Walton Hall, Milton Keynes, MK7 6AA, U.K. ^bDepartment of Geography, University of Hull, Cottingham Road, Hull, HU6 7RX, U.K.

CONTENTS

Preface	
A role for palaeoecology in anticipating future change in mountain regions?	
W.D. Gosling and M.J. Bunting.	1
Research Papers	
The influence of the de Vries (~200-year) solar cycle on climate variations: Results from the Central Asian Mountains and their global link	
O.M. Raspopov, V.A. Dergachev, J. Esper, O.V. Kozyreva, D. Frank, M. Ogurtsov, T. Kolström and X. Shao	6
The Holocene treeline in the northern Andes (Ecuador): First evidence from soil charcoal	
G. Di Pasquale, M. Marziano, S. Impagliazzo, C. Lubritto, A. De Natale and M.Y. Bader	17
Glacial-interglacial changes in moisture balance and the impact on vegetation in the southern hemisphere tropical Andes (Bolivia/Peru)	
W.D. Gosling, M.B. Bush, J.A. Hanselman and A. Chepstow-Lusty.	35
Recent ecological change in a remote Scottish mountain loch: An evaluation of a Cladocera-based temperature transfer-function	
G.R. Kattel, R.W. Battarbee, A.W. Mackay and H.J.B. Birks	51
Using models of pollen dispersal and deposition in hilly landscapes: Some possible approaches	
M.I. Runting, C.I. Twiddle and R. Middleton	77