

## British Antarctic Survey publications 2006

### Publications are listed by programme

\*\* = NERC employees who are not BAS staff  
++ = collaborators in UK universities  
%% = collaborators in the UK non-university public sector  
## = overseas collaborators  
\$\$ = commercial sector collaborators

### Q4 Programmes

GEACEP: Greenhouse to Icehouse. Evolution of the Antarctic Cryosphere and Palaeoenvironment

### Refereed research papers 2006 listed in ISI database

**HAYWOOD A.M.** & **VALDES P.J.**++ 2006. Vegetation cover in a warmer world simulated using a dynamic global vegetation model for the mid Pliocene. *Palaeogeography, Palaeoclimatology, Palaeoecology*, **237**, 412-427.

**SMELLIE J.L.** 2006. The relative importance of supraglacial versus subglacial meltwater escape in basaltic subglacial tuya eruptions: an important unresolved conundrum. *Earth-Science Reviews*, **74**, 241-268.

**SMELLIE J.L.**, **McINTOSH W.C.**##, **ESSER R.**## & **FRETWELL P.T.** 2006. The Cape Purvis volcano, Dundee Island (northern Antarctic Peninsula): late Pleistocene age, eruptive processes and implications for a glacial palaeoenvironment. *Antarctic Science*, **18**, No. 3, 399-408.

**WILLIAMS M.**, **LENG M.J.**\*\* , **STEPHENSON M.H.**\*\* , **ANDREWS J.E.**++ , **WILKINSON I.P.**\*\* , **SIVETER D.J.**++ , **HORNE D.J.**++ & **VANNIER J.M.V.**## 2006. Evidence that Early Carboniferous ostracods colonised coastal flood plain brackish water environments. *Palaeogeography, Palaeoclimatology, Palaeoecology*, **230**, 299-318.

**WILLIAMS M.**, **SCHMIDT D.N.**, **WILKINSON I.P.**++ , **MILLER C.G.**\*\* & **TAYLOR P.D.**%% 2006. The type material of the Miocene to Recent species *Globigerinoides sacculifer* (Brady) revisited. *Journal of Micropalaeontology*, **25**, No. 2, 153-156.

**WILLIAMS M.**, **SMELLIE J.L.**, **JOHNSON J.S.** & **BLAKE D.B.**## 2006. Late Miocene asterozoans (Echinodermata) from the James Ross Island Volcanic Group. *Antarctic Science*, **18**, No. 1, 117-122.

**WILLIAMS M.**, **WILKINSON I.P.**\*\* , **TAPPIN D.R.**\*\* , **McMURTRY G.M.**## & **FRYER G.J.**## 2006. The Hawaiian megatsunami of  $110 \pm 10$  ka: the use of microfossils in detection. *Journal of Micropalaeontology*, **25**, 55-56.

## Unrefereed publications

**HAYWOOD A.M. & WILLIAMS M.** 2006. Forecasting future weather from rocks. *Rockwatch*, No. 42, 8-9.

**HAYWOOD A.M., VALDES P.J.++ & PECK V.L.** 2006. The future of El Niño. *Planet Earth*, Winter 2006, 30.

**SMELLIE J.L., NELSON A.E. & WILLIAMS M.++** 2006. Fire and ice: unravelling the climatic and volcanic history of James Ross Island, Antarctic Peninsula. *Geology Today*, **22**, No. 6, 220-226.

## CACHE: Climate and Chemistry: Forcings and Phasings in the Earth System

### Refereed research papers 2006 listed in ISI database

**ANDERSEN K.K.##, SVENSSON A.##, JOHNSEN S.##, RASMUSSEN S.O.##, BIGLER M.##, RÖTHLISBERGER R., RUTH U.##, SIGGAARD-ANDERSEN M.L.##, STEFFENSEN J.P.##, DAHL-JENSEN D.##, VINTHER B.M.## & CLAUSEN H.B.##** 2006. The Greenland Ice Core Chronology 2005, 15-42 ka. Part 1: constructing the time scale. *Quaternary Science Reviews*, **25**, No. 23-24, 3246-3257.

**BARNES P.R.F., WOLFF E.W. & MALLARD D.C.++** 2006. Etching channels and grain-boundary grooves on ice surfaces in the scanning electron microscope. *Journal of Glaciology*, **52**, No. 179, 645-648.

**BARNES P.R.F.##, WOLFF E.W. & MULVANEY R.** 2006. A 44 kyr paleoroughness record of the Antarctic surface. *Journal of Geophysical Research*, **111**, No. D3, D03102, doi:10.1029/2005JD006349, 11p.

**BIGLER M.##, RÖTHLISBERGER R., LAMBERT F.##, STOCKER T.F.## & WAGENBACH D.##** 2006. Aerosol deposited in East Antarctica over the last glacial cycle: detailed apportionment of continental and sea-salt contributions. *Journal of Geophysical Research*, **111**, No. D8, D08205, doi:10.1029/2005JD006469, 14p.

**BURKHART J.F., ##BALES R.C.##, McCONNELL J.R.## & HUTTERLI M.A.** 2006. Influence of North Atlantic Oscillation on anthropogenic transport recorded in the northwest Greenland ice cores. *Journal of Geophysical Research*, **111**, No. D22, D22309, doi:10.1029/2005JD006771, 14p.

**CROMER L.##, GIBSON J.A.E.##, SWADLING K.M.## & HODGSON D.A.** 2006. Evidence for a lacustrine faunal refuge in the Larsemann Hills, East Antarctica, during the Last Glacial Maximum. *Journal of Biogeography*, **33**, 1314-1323.

EPICA COMMUNITY MEMBERS (Authors include **E.W. WOLFF, M.A. HUTTERLI, R. RÖTHLISBERGER, R. MULVANEY & G. LITTOT**) 2006. One-to-one coupling of glacial climate variability in Greenland and Antarctica. *Nature*, **444**, No. 7116, 195-198.

**HODGSON D.A.**, ROBERTS D.##, MCMINN A.##, VERLEYEN E.##, TERRY B.##, CORBETT C.## & VYVERMAN W.## 2006. Recent rapid salinity rise in East Antarctic lakes. *Journal of Paleolimnology*, **36**, No. 4, 385-406.

**HODGSON D.A.**, VERLEYEN E.##, SQUIER A.H.++, SABBE K.##, KEELY B.J.++, SAUNDERS K.M.## & VYVERMAN W.## 2006. Interglacial environments of coastal east Antarctica: comparison of MIS 1 (Holocene) and MIS 5e (Last Interglacial) lake-sediment records. *Quaternary Science Reviews*, **25**, 179-197

**JONES A.E., ANDERSON P.S., WOLFF E.W., TURNER J., RANKIN A.M. & COLWELL S.R.** 2006. A role for newly forming sea ice in springtime polar tropospheric ozone loss? Observational evidence from Halley station, Antarctica. *Journal of Geophysical Research*, **111**, No. D8, D08306, doi:10.1029/2005JD006566, 11p.

MADER H.M.++, PETTITT M.E.++, WADHAM J.L.++, **WOLFF E.W.** & PARKES R.J.++ 2006. Subsurface ice as a microbial habitat. *Geology*, **34**, No. 3, 169-172.

MAHOWALD N.M.##, LAMARQUE J.-F.##, TIE X.X.## & **WOLFF E.W.** 2006. Sea-salt aerosol response to climate change: Last Glacial Maximum, preindustrial, and doubled carbon dioxide climates. *Journal of Geophysical Research*, **111**, No. D5, D05303, doi:10.1029/2005JD006459, 11p.

MOORE J.C.##, NISHIO F.##, FUJITA S.##, NARITA H.##, **PASTEUR E.C.**, GRINSTED A.##, SINISALO A.## & MAENO N.## 2006. Interpreting ancient ice in a shallow ice core from the South Yamato (Antarctica) blue ice area using flow modeling and compositional matching to deep ice cores. *Journal of Geophysical Research*, **111**, No. D16, D16302, doi:10.1029/2005JD006343, 17p.

**PUDSEY C.J.**, MURRAY J.W.\*\*, APPLEBY P.++ & **EVANS J.** 2006. Ice shelf history from petrographic and foraminiferal evidence, northeast Antarctic Peninsula. *Quaternary Science Reviews*, **25**, No. 17-18, 2357-2379.

**SMITH J.A., HODGSON D.A.**, BENTLEY M.J.++, VERLEYEN E.##, LENG M.J.\*\* & **ROBERTS S.J.** 2006. Limnology of two Antarctic epishelf lakes and their potential to record periods of ice shelf loss. *Journal of Paleolimnology*, **35**, 373-394.

SVENSSON A.##, ANDERSEN K.K.##, BIGLER M.##, CLAUSEN H.B.##, DAHL-JENSEN D.##, DAVIES S.M.++, JOHNSEN S.J.##, MUSCHELER R.##, RASMUSSEN S.O.##, **RÖTHLISBERGER R.**, STEFFENSEN J.P.## & VINTHER B.M.## 2006. The Greenland Ice Core Chronology 2005, 15-42 ka. Part 2: comparison to other records. *Quaternary Science Reviews*, **25**, No. 23-24, 3258-3267.

TATON A.##, GRUBISIC S.##, BALTHASART P.##, **HODGSON D.A.**, LAYBOURN-PARRY J.++ & WILMOTTE A.## 2006. Biogeographical distribution and ecological ranges of benthic cyanobacteria in East Antarctic lakes. *FEMS Microbiology Ecology*, **57**, 272-289.

TATON A.##, GRUBISIC S.##, BALTHASART P.##, **HODGSON D.A.**, PICCARDI R.##, BIONDI N.##, TREDICI M.R.##, MAININI M.##, LOSI D.##, MARINELLI F.## & WILMOTTE A.## 2006. Polyphasic study of Antarctic cyanobacterial strains. *Journal of Phycology*, **42**, No. 6, 1257-1270.

**WOLFF E.W.** 2006. The challenge from ice cores: understanding the climate and atmospheric composition of the late Quaternary. (In Boutron, C.F., ed. From regional climate modelling to the exploration of Venus. European Research Course on Atmospheres Grenoble France. *Journal de Physique IV*; **139**, 185-196.)

**WOLFF E.W.**, FISCHER H.##, FUNDEL F.##, RUTH U.##, TWARLOH B.##, **LITTOT G.C.**, **MULVANEY R.**, **RÖTHLISBERGER R.**, DE ANGELIS M., BOUTRON C.F.##, HANSSON M.##, JONSELL U.##, **HUTTERLI M.A.** and 15 others.## 2006. Southern Ocean sea-ice extent productivity and iron flux over the past eight glacial cycles. *Nature*, **440**, No. 7083, 491-496.

WORTON D.R.++, STURGES W.T.++, SCHWANDER J.##, **MULVANEY R.**, BARNOLA J.M.## & CHAPPELLAZ J.## 2006. 20th century trends and budget implications of chloroform and related tri- and dihalomethanes inferred from firn air. *Atmospheric Chemistry and Physics*, **6**, 2847-2863.

#### **Refereed research papers 2006 NOT listed in ISI database**

BROOK E.J.## & **WOLFF E.W.** 2006. The future of ice core science. *Eos. Transactions, American Geophysical Union*, **87**, No. 4, 39.

**HODGSON D.A.**, BENTLEY M.J.++, **ROBERTS S.J.**, **SMITH J.A.**, SUGDEN D.E.++ & DOMACK E.W. 2006.## Examining Holocene stability of Antarctic Peninsula ice shelves. *Eos. Transactions, American Geophysical Union*, **87**, No. 31, 305-308.

#### **Unrefereed publications**

BROOK E.J.##, **WOLFF E.W.**, DAHL-JENSEN D.##, FISCHER H.## & STEIG E.J.## 2006. The future of ice coring: International Partnerships in Ice Core Sciences (IPICS). *PAGES News*, **14**, No. 1, 6-10.

BROOK E.J.##, **WOLFF E.W.**, DAHL-JENSEN D.##, FISCHER H.## & STEIG E.J.## 2006. The future of ice coring: International Partnerships in Ice Coring Sciences. *Global Change Newsletter*, No. 65, 4-7.

**WOLFF E.W.** 2006. European Project for Ice Coring in Antarctica (EPICA). *PAGES News*, **14**, No. 1, 31-33.

GRADES: Glacial Retreat in Antarctica and Deglaciation of the Earth System

**Refereed research papers 2006 listed in ISI database**

**ARTHERN R.J. & HINDMARSH R.C.A.** 2006. Determining the contribution of Antarctica to sea-level rise using data assimilation methods. *Philosophical Transactions of the Royal Society of London, Series A*, **364**, No. 1844, 1841-1865.

**ARTHERN R.J.**, WINEBRENNER D.P.## & **VAUGHAN D.G.** 2006. Antarctic snow accumulation mapped using polarization of 4.3cm wavelength microwave emission. *Journal of Geophysical Research*, **111**, No. D6, D06107, doi:10.1029/2004JD005667, 10p.

**GUDMUNDSSON G.H.** 2006. Fortnightly variations in the flow velocity of Rutford Ice Stream, West Antarctica. *Nature*, **444**, No. 7122, 1063-1064.

**HILLENBRAND C.-D.** & CORTESE G.## 2006. Polar stratification: a critical view from the Southern Ocean. *Palaeogeography, Palaeoclimatology, Palaeoecology*, **242**, No. 3-4, 240-252.

**HINDMARSH R.C.A.** 2006. The role of membrane-like stresses in determining the stability and sensitivity of the Antarctic ice sheets: back pressure and grounding line motion. *Philosophical Transactions of the Royal Society of London, Series A*, **364**, No. 1844, 1733-1767.

**HINDMARSH R.C.A.** 2006. Stress gradient damping of thermoviscous ice flow instabilities. *Journal of Geophysical Research*, **111**, No. B12, B12409, doi:10.1029/2005JB004019, 8p.

**HINDMARSH R.C.A.**, LEYSINGER VIELI G.J.-M.C.++, **RAYMOND M.J.##** & **GUDMUNDSSON G.H.** 2006. Draping or overriding: the effect of horizontal stress gradients on internal layer architecture in ice sheets. *Journal of Geophysical Research*, **111**, No. F2, F02018, doi:10.1029/2005JF000309, 17p.

**HOLT J.W.##**, **BLANKENSHIP D.D.##**, **MORSE D.##**, **YOUNG D.A.##**, **PETERS M.E.##**, **KEMPF S.D.##**, **RICHTER T.G.##**, **VAUGHAN D.G.** & **CORR H.F.J.** 2006. New boundary conditions for the West Antarctic ice sheet: subglacial topography beneath Thwaites and Smith glaciers catchments. *Geophysical Research Letters*, **33**, No. 9, L09502, doi:10.1029/2005GL025561, 4p.

**MARTIN C.##**, **HINDMARSH R.C.A.** & **NAVARRO F.J.##** 2006. Dating ice flow change near the flow divide at Roosevelt Island, Antarctica by using a thermomechanical model to predict radar stratigraphy. *Journal of Geophysical Research*, **111**, No. F1, F01011, doi:10.1029/2005JF000326, 15p.

**PETERS L.E.##**, **ANANDAKRISHNAN S.##**, **ALLEY R.B.##**, **WINBERRY J.P.##**, **VOIGT D.E.##**, **SMITH A.M.** & **MORSE D.L.##** 2006. Subglacial sediments as a control on the onset and location of two Siple Coast ice streams, West Antarctica.

*Journal of Geophysical Research*, **111**, No. B1, B01302, doi:10.1029/2005JB003766, 14p.

RIPPIN D.M.++, SIEGERT M.J.++, BAMBER J.L.++, **VAUGHAN D.G. & CORR H.F.J.** 2006. Switch-off of a major enhanced ice flow unit in East Antarctica. *Geophysical Research Letters*, **33** No. 15, L15501, doi:10.1029/2006GL026648, 6p.

**SCOTT J.B.T.**, NIENOW P.++, MAIR D.++, PARRY V.++, MORRIS E.M.++ & WINGHAM D.J.++ 2006. The importance of seasonal and annual layers in controlling backscatter to radar altimeters across the percolation zone of an ice sheet. *Geophysical Research Letters*, **33**, No. 24, L24502, doi:10.1029/2006GL027974, 6p.

**SMITH A.M.** 2006. Microearthquakes and subglacial conditions. *Geophysical Research Letters*, **33**, No. 24, L24501, doi:10.1029/2006GL028207, 5p.

**VAUGHAN D.G.** 2006. Recent trends in melting conditions on the Antarctic Peninsula and their implications for ice-sheet mass balance and sea level. *Arctic, Antarctic, and Alpine Research*, **38**, No. 1, 147-152.

**VAUGHAN D.G., CORR H.F.J., FERRACCIOLI F., FREARSON N., O'HARE A., MACH D.##, HOLT J.W.##, BLANKENSHIP D.D.##, MORSE D.L.## & YOUNG D.A.##** 2006. New boundary conditions for the West Antarctic ice sheet: subglacial topography beneath Pine Island Glacier. *Geophysical Research Letters*, **33**, No. 9, L09501, doi:10.1029/2005GL025588, 4p.

### **Book chapters**

**GUDMUNDSSON G.H.** 2006. Estimating basal properties of glaciers from surface measurements. (In Knight, P.J., ed. *Glacial science and environmental change*. Malden, Mass, Blackwell, 415-417.)

**VAUGHAN D.G.** 2006. Antarctica and climate change – implications for governance. (In Chapman, R., Boston, J. & Schwass, M., eds. *Confronting climate change: critical issues for New Zealand*. Wellington, N.Z., Victoria University Press, 83-92.)

**VAUGHAN D.G.** 2006. The Antarctic ice sheet. (In Knight, P.J., ed. *Glacial science and environmental change*. Malden, Mass., Blackwell, 209-220).

### **Unrefereed publications**

NICHOLLS R.J.++, HANSON S.E.++, LOWE J.A.++, **VAUGHAN D.G.**, LENTON T.++, GANOPOLSKI A.##, TOL R.S.J.## & VAREIDIS A.T.## 2006. Improving methodologies to assess the benefits of policies to address sea-level rise. Report to the OECD. Southampton, Tyndall Centre for Climate Change Research, 145p.

**PRITCHARD H.** 2006. Review of *Polar remote sensing. Vol. II: Ice sheets* by R. Massom and D. Lubin. Berlin, Springer; Chichester, Praxis, 2006. *Journal of Glaciology*, **52**, No. 178, 472.

BIOFLAME: Biodiversity, Functions, Limits and Adaptation from Molecules to Ecosystems

**Refereed research papers 2006 listed in ISI database**

ADAMS B.J.##, BARDGETT R.D.##, AYRES E.##, WALL D.H.##, AISLABIE J.##, BAMFORTH S.S.##, BARGAGLI R.##, CARY C.##, CAVACINI P.##, CONNELL L.##, **CONVEY P.**, FELL J.W.##, FRATI F.##, HOGG I.D.##, **NEWSHAM K.K.**, O'DONNELL A.G.++, RUSSELL N.++, SEPPELT R.D.## & STEVENS M.I.## 2006. Diversity and distribution of Victoria Land biota. *Soil Biology and Biochemistry*, **38**, No. 10, 3003-3018

**BARNES D.K.A.**, FUENTES V.##, **CLARKE A.**, SCHLOSS I.R.## & **WALLACE M.I.** 2006. Spatial and temporal variation in shallow seawater temperatures around Antarctica. *Deep-Sea Research Part II*, **53**, No. 8-10, 853-865.

BHADURY P.\*\*\*, AUSTEN M.C.\*\*\*, BILTON D.T.++, LAMBSHEAD P.J.D.%%, **ROGERS A.D.** & SMERDON G.R.\*\* 2006. Development and evaluation of a DNA-barcoding approach for the rapid identification of nematodes. *Marine Ecology Progress Series*, **320**, 1-9.

BORMAN A.M.%%, CAMPBELL C.K.%%, LINTON C.J.%%, **BRIDGE P.D.** & JOHNSON E.M.%% 2006. *Polycytella hominisis* a mutated form of *Scedosporium apiospermum*. *Medical Mycology*, **44**, No. 4, 33-39.

**BOWDEN D.A.**, **CLARKE A.**, **PECK L.S.** & **BARNES D.K.A.** 2006. Antarctic sessile marine benthos: colonisation and growth on artificial substrata over three years. *Marine Ecology Progress Series*, **316**, 1-16.

CAMPBELL C.K.%%, BORMAN A.M.%%, LINTON C.J.%%, **BRIDGE P.D.** & JOHNSON E.M.%% 2006. *Arthroderma olidum* sp. nov. A new addition to the *Trichophyton terrestre* complex. *Medical Mycology*, **44**, No. 5, 451-459.

CARDOSO J.C.R.##, PINTO V.##, VIEIRA F.##, **CLARK M.S.** & POWER D.M.## 2006. Evolution of secretin family GPCR members in the metazoa. *BMC Evolutionary Biology*, **6**, 108, doi:10.1186/1471-2148-6-108, 16p.

**CONVEY P.** & **SMITH R.I.L.** 2006. Geothermal bryophyte habitats in the South Sandwich Islands, maritime Antarctic. *Journal of Vegetation Science*, **17**, No. 4, 529-538.

HAWES T.C.++, BALE J.S.++, **CONVEY P.** & **WORLAND M.R.** 2006. Ecologically realistic modalities in arthropod supercooling point distributions. *European Journal of Entomology*, **103**, No. 4, 717-723.

HAWES T.C.++, COULDRIDGE C.++, BALE J.S.++, **WORLAND M.R.** & **CONVEY P.** 2006. Habitat temperature and the temporal scaling of cold hardening

in the high Arctic collembolan *Hypogastrura tullbergi* (Schäffer). *Ecological Entomology*, **31**, No. 5, 450-459.

HOGG I.D.##, CARY S.C##., **CONVEY P.**, **NEWSHAM K.K.**, O'DONNELL A.G.++, ADAMS B.J.##, AISLABIE J.##, FRATI F.##, STEVENS M.I.## & WALL D.H.## 2006. Biotic interactions in Antarctic terrestrial ecosystems: are they a factor? *Soil Biology and Biochemistry*, **38**, No. 10, 3035-3040.

HUGHES A.D.\*\*, KELLY M.S.\*\*, **BARNES D.K.A.**, CATARINO A.I.## & BLACK K.D.\*\* 2006. The dual functions of sea urchin gonads are reflected in the temporal variations of their biochemistry. *Marine Biology*, **148**, No. 4, 789-798.

KUKLINSKI P.##, **BARNES D.K.A.** & TAYLOR P.D.%% 2006. Latitudinal patterns of diversity and abundance in North Atlantic intertidal boulder-fields. *Marine Biology*, **149**, No. 6, 1577-1583.

**MASLEN N.R. & CONVEY P.** 2006. Nematode diversity and distribution in the southern maritime Antarctic - clues to history? *Soil Biology and Biochemistry*, **38**, No. 10, 3141-3151.

**PECK L.S., CLARKE A. & CHAPMAN A.L.** 2006. Metabolism and development in pelagic larvae of Antarctic gastropods with mixed reproductive strategies. *Marine Ecology Progress Series*, **318**, 213-220.

PÖRTNER H.O.##, **PECK L.S.** & HIRSE T.## 2006. Hyperoxia alleviates thermal stress in the Antarctic bivalve, *Laternula elliptica*: evidence for oxygen limited thermal tolerance. *Polar Biology*, **29**, No. 8, 688-693.

**SCHLITT T. & BRAZMA A.%%** 2006. Modelling in molecular biology: describing transcription regulatory networks at different scales. *Philosophical Transactions of the Royal Society of London, Series B*, **361**, 483-494.

SCHRÖDL M.##, **LINSE K.** & SCHWABE E.## 2006. Review on the distribution and biology of Antarctic Monoplacophora with first abyssal record of *Laevipilina antarctica*. *Polar Biology*, **29**, No. 9, 721-727.

**STRUGNELL J.M., JACKSON J.++, DRUMMOND A.J.++ & COOPER A.++** 2006. Divergence time estimates for major cephalopod groups: evidence from multiple genes. *Cladistics*, **22**, No. 1, 89-96.

**WALLER C., WORLAND M.R., CONVEY P. & BARNES D.K.A.** 2006. Ecophysiological strategies of Antarctic intertidal invertebrates faced with freezing stress. *Polar Biology*, **29**, No. 12, 1077-1083.

**WORLAND M.R., LEINAAS H.P.## & CHOWN S.L.++** 2006. Supercooling point frequency distributions in Collembola are affected by moulting. *Functional Ecology*, **20**, 323-329.

YOUNG J.S.++, **PECK L.S.** & MATHESON T.++ 2006. The effects of temperature on walking and righting in temperate and Antarctic crustaceans. *Polar Biology*, **29**, No. 11, 978-987.

YOUNG J.S.++, **PECK L.S.** & MATHESON T.++ 2006. The effects of temperature on peripheral neuronal function in eurythermal and stenothermal crustaceans. *Journal of Experimental Biology*, **209**, 1976-1987.

#### **Refereed research papers 2006 NOT listed in ISI database**

**CONVEY P.** 2006. Antarctic terrestrial ecosystems: responses to environmental change. *Polarforschung*, **75**, No. 2-3, 2005, 101-111.

#### **Books edited**

BERGSTROM D.##, **CONVEY P.** & HUISKES A.H.L.##, eds. 2006. *Trends in Antarctic terrestrial and limnetic ecosystems: Antarctica as a global indicator*. Dordrecht, Springer, 369p.

#### **Book chapters**

BERGSTROM D.M.##, **HODGSON D.A.** & **CONVEY P.** 2006. The physical setting of the Antarctic. (In Bergstrom, D., Convey, P. & Huiskes, A.H.L, eds. *Trends in Antarctic terrestrial and limnetic ecosystems: Antarctica as a global indicator*. Dordrecht, Springer, 15-33.)

BERGSTROM D.M.##, HUISKES A.H.L.## & **CONVEY P.** 2006. The Antarctic: local signals global messages. (In Bergstrom, D., Convey, P. & Huiskes, A.H.L, eds. *Trends in Antarctic terrestrial and limnetic ecosystems: Antarctica as a global indicator*. Dordrecht, Springer, 341-347.)

CHOWN S.L.## & **CONVEY P.** 2006. Biogeography. (In Bergstrom, D., Convey, P. & Huiskes, A.H.L, eds. *Trends in Antarctic terrestrial and limnetic ecosystems: Antarctica as a global indicator*. Dordrecht, Springer, 55-69.)

**CONVEY P.** 2006. Antarctic climate change and its influence on terrestrial ecosystems. (In Bergstrom, D., Convey, P. & Huiskes, A.H.L, eds. *Trends in Antarctic terrestrial and limnetic ecosystems: Antarctica as a global indicator*. Dordrecht, Springer, 253-272.)

**CONVEY P.** 2006. Antarctic terrestrial biodiversity - patterns and problems. (In Tan, I.K.P., Abu Samah, A. & Tan, G.Y.A., eds. *Proceedings of the seminar "Antarctic research in the University of Malaya", 27-28 June 2005, Kuala Lumpur, Malaysia*. Kuala Lumpur, Academy of Sciences Malaysia, 85-97.)

**CONVEY P.**, CHOWN S.L.##, WASLEY J.## & BERGSTROM D.M.## 2006. Life history traits. (In Bergstrom, D., Convey, P. & Huiskes, A.H.L, eds. *Trends in Antarctic terrestrial and limnetic ecosystems: Antarctica as a global indicator*. Dordrecht, Springer, 101-127.)

**CONVEY P.**, FRENOT Y.##, GREMMEN N.J.M.## & BERGSTROM D.## 2006. Biological invasions. (In Bergstrom, D., Convey, P. & Huiskes, A.H.L, eds. *Trends in Antarctic terrestrial and limnetic ecosystems: Antarctica as a global indicator*. Dordrecht, Springer, 193-220.)

HENNION F.##, HUISKES A.H.L.##, ROBINSON S.## & **CONVEY P.** 2006. Physiological traits of organisms in a changing environment. (In Bergstrom, D., Convey, P. & Huiskes, A.H.L, eds. *Trends in Antarctic terrestrial and limnetic ecosystems: Antarctica as a global indicator*. Dordrecht, Springer, 129-159.)

**HUGHES K.A.**, OTT S.##, BÖLTER M.## & **CONVEY P.** 2006. Colonisation processes. (In Bergstrom, D., Convey, P. & Huiskes, A.H.L, eds. *Trends in Antarctic terrestrial and limnetic ecosystems: Antarctica as a global indicator*. Dordrecht, Springer, 35-54.)

HUISKES A.H.L.##, **CONVEY P.** & BERGSTROM D.## 2006. Trends in Antarctic terrestrial and limnetic ecosystems: Antarctica as a global indicator. (In Bergstrom, D., Convey, P. & Huiskes, A.H.L, eds. *Trends in Antarctic terrestrial and limnetic ecosystems: Antarctica as a global indicator*. Dordrecht, Springer, 1-13.)

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