

SANAP PROJECTS

(1 April 2003 – 31 March 2004)

BIOLOGICAL SCIENCES

University of Pretoria

1. Comparative population ecology of Southern Elephant Seals (Dr M N Bester)
2. Satellite-linked identification and characteristics of Southern Elephant Seals (Dr M N Bester)
3. Threats to biodiversity and ecosystem functioning at the Prince Edward Islands: Developing an conservation strategy for endemic and keystone insects species (Ms A D Slager-Bastos)

University of Stellenbosch

4. Moss flora of Marion Island (Prof V R Smith)
5. Biocomplexity and change: The role of a long-lived, keystone species, *A selago* (Dr M A McGeogh)

University of Fort Hare

6. Structure and trophic ecology of the demersal fish community in the vicinity of the Prince Edward Islands (Prof E A Pakhomov)

Marine and Coastal Management (DEAT)

7. Monitoring seabirds at Marion Island (Dr R J M Crawford)

EARTH SCIENCES

University of Cape Town

8. Neoproterozoic to early Cambrian tectonism in Gjelsvikfjella, northern Maud Belt (Prof H Frimmel)

University of Pretoria

9. Environmental responses to climate change on Marion Island (Mr P Sumner)

ENGINEERING SCIENCES

University of Stellenbosch

10. Numerical modeling of snow flow characteristics surrounding the SANAE IV base (Dr T Harms)

OCEANOGRAPHIC SCIENCES

University of Cape Town

11. Assessment and management of Antarctic marine living resources (Prof D S Butterworth)
12. Bryozoa of sub-Antarctic Marion and Prince Edward Islands (Prof G M Branch)
13. Dynamics of Eddy Impacts on Marion's Ecosystem (DEIMEC): Identifying the source of ocean variability at the Prince Edward Islands (Prof J R E Lutjeharms)

Rhodes University

14. Marion Offshore Variability Ecosystem Study (Prof C D McQuaid)

University of Pretoria

15. Measurements and regional model studies of ocean-atmosphere interaction in the Southern Ocean in order to improve our understanding of the ocean boundary layer's contribution to sub-tropical climate and weather systems (Dr C J de W Rautenbach)

PHYSICAL SCIENCES

University of Natal (Durban) - UND

16. Southern Hemisphere Auroral Radar Experiment (SHARE) – UND (Prof J P S Rash)
17. Antarctic Magnetosphere-Ionosphere Ground-based Observations (AMIGO) – UND (Prof A R W Hughes)

University of Potchefstroom - PU

18. Antarctic Research on Cosmic Rays (ANOKS) – PU (Prof H Moraal)
19. Magnetospheric electron precipitation (riometer and fluxgate magnetometer) subprogramme of AMIGO – PU (Prof H Moraal)
20. Southern Hemisphere Auroral Radar Experiment (SHARE) – PU (Prof H Moraal)

Council for Geoscience

- # LOGISTIC SUPPORT ONLY: International monitoring of the seismicity of Antarctica and the surrounding Southern Ocean (Dr G Graham)