

Scientific themes of the 2nd SCAR Open Science Conference

100	Plenary
111	Physical Sciences SSG sub-Plenary
112	Life Sciences SSG sub-Plenary
113	Geosciences SSG sub-Plenary
210	Evolution and structure of the Antarctic continent
211	Antarctic Tectonics and Siesmicity
221	Cenozoic Climate and the transition to the Icehouse
223	Pleistocene variability recorded in sediments and ice cores
224	Palaeoclimate of the Holocene and recent past
230	Permafrost and Soils in Antarctica
310	Subglacial lakes
311	Surface and bedrock topography and dynamics of the Antarctic ice sheet
312	Ice sheet and glacier mass balance and variability
313	Characteristics of ice shelves, ice tongues and icebergs, and their interaction with the ocean
320	Weather and climate of the Antarctic region
321	CO ₂ , Ozone and other atmospheric trace gases over the Antarctic
322	Aerosols
330	Sea ice and its interaction with Southern Ocean climate
331	The Southern Ocean and its role in the global climate system
332	Water masses, circulation and variability in the Southern Ocean
333	Biogeochemistry of the Southern Ocean
401	Integrated analyses of circumpolar Climate and Ecosystem Dynamics in the Southern Ocean (ICED)
402	Response to environmental change in the marine ecosystem
403	Marine biodiversity and adaptation
404	Marine ecosystem function
405	Marine trophic interactions
410	Ecology of krill
411	Ecology of marine mammals
412	Near shore benthic ecosystems

413	Sea-ice zone ecosystems
414	Deep water pelagic ecosystems
415	Fish physiology, evolution and behaviour
420	Evolution and function of Antarctic microorganisms
421	Biodiversity of terrestrial and limnetic ecosystems
422	Terrestrial and limnetic ecosystems: environments and response to change
423	Terrestrial and limnetic ecosystems: life history strategies and performance
424	Variability in terrestrial and inland water ecosystems
430	Environmental impacts, protection and remediation
440	Human health and well-being
510	History, philosophy and education in Antarctic science
520	Strategies for Data Presentation and Management
521	International and National Data Centers: Coordination and Activities
530	Technology
531	GPS Applications and Techniques
610	Magnetosphere/ionosphere/mesosphere coupling
621	Fields and waves
622	Global electric circuit
630	Antarctic astronomy and cosmic ray research
700	Miscellaneous