

## Scientific themes of the 2nd SCAR Open Science Conference

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

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