

Category

AC Atmosphere, Climate, CR Cryosphere, OS Ocean, Sea Ice

Session Number

AC-6

Session Title

Across the Southern Ocean: Atmospheric and ice mass changes

Session Description

Changes in the southern ocean and of the southern hemisphere westerlies have implications and impacts in Antarctica as well as north of the Antarctic convergence in particular on the cryosphere. In this session we welcome contributions on observed atmospheric and ice mass changes, studies on signals, causes and drivers of such changes and work that contributes to a better understanding of underlying processes and mechanisms. We aim at long-term climatic changes but also climatic variability and extreme events. Cross-disciplinary approaches e.g. between oceanography, atmospheric sciences and glaciology are particularly welcome as are studies on impacts and implications of the observed changes. Regionally, the sessions targets contributions that either cover one or more of the following regions: the Antarctic Peninsula, the Antarctic coast and the subantarctic territories, including Fuego-Patagonia.

Keywords: Antarctica, subantarctic territories, Fuego-Patagonia, cross-disciplinary

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