

Requirements

No requirements. Finland does not require any climate services.

Already provided services

No operational services for Antarctica yet.

Finnish contribution to the AntRCC includes

- climate prediction and projection: Verification, assessment and interpretation of LRF products.
- Non-operational data services: Finland operates the Aboa station in Dronning Maud Land, Antarctica, with a year-round automatic weather station. Field campaigns with focus on meteorology, atmospheric composition and snow/ice research are carried out with intervals of 1-3 years. The data can be shared as part of the AntRCC.
- coordination functions: No
- training and capacity building: No
- research and development: Studies of regional climate variability and change, predictability and impact. Development and validation of regional models, downscaling methods and interpretation of global output products. Development of climate research agenda and its coordination with other relevant RCCs. Promotion of application research and studied on economic value of climate information, related e.g. on wind and solar energy resources in Antarctica.

Interests for contribution to AntRCC

FMI has no additional funding for development and implementation of services within AntRCC.

FMI has strong expertise in the following fields relevant for Antarctic RCC:

- Sea ice monitoring and modelling, operational sea ice services
- Snow surface radiation balance, both in-situ and remote sensing observations
- Atmospheric boundary layer research, focusing on stable boundary layer
- Moisture transport from mid-latitudes to Polar regions
- Seasonal-to-subseasonal modeling and forecasts, including sea ice conditions
- Dynamics of linkages between polar regions and mid-latitudes (teleconnections)

Interests from AntRCC

FMI is interested in collaboration with other countries participating in AntRCC, in development and coordination of climate research and promotion of studies of regional climate variability and change, predictability and impact.