ARC helps national and cross-national projects and collaborations to create environments for distributed multidisciplinary applications. The primary user groups are scientists, academic researchers and students. A variety of applications, ranging from climate studies to high energy physics, benefit from the computational power that becomes available via ARC-connected resources.

**Growing number of users**

![Graph](image)

**Regional climate analysis and modelling (SWEGRID)**

Development of a coupled regional climate model for the Arctic.

Sea surface temperature (°C) and mean ice thickness (cm) from 23 February 1993 calculated with the Rossby Centre coupled ice-ocean model.

Salinity for the eastern Gotland basin as function of time and depth.

**ATLAS Data Challenges**

Simulation of a 20 EeV neutrino induced muon passing the IceCube detector.

ATLAS detector and images of proton-proton collision simulation at 14 TeV.


Find more at [http://www.nordugrid.org](http://www.nordugrid.org)