

# README

## Dataset for “Insensitivity of mass loss of Icelandic Vatnajökull ice cap to solar geoengineering”

The data is provided as net CDF files. The name file:

- thk represents: ice thickness
- {bnu, hadgem, miroc, chem} represent {BNU-ESM, HadGEM2-ES, MIROC-ESM, MIROC-ESM-CHEM}
- {his, g4, rcp45, rcp85} represent {historical (1982-2005), G4(2020-2089), RCP4.5 (2006-2089), RCP8.5 (2006-2089)}

### **4 Earth System Models**

- BNU-ESM
- HadGEM2-ES
- MIROC-ESM
- MIROC-ESM-CHEM

### **4 scenarios**

- Historical: 1982-2005
- G4: 2020-2089
- RCP4.5: 2006-2089
- RCP8.5: 2006-2089

### **Variable**

- Ice thickness (unit: m; available for all ESMs and scenarios provided by annual data with the first day (1st January) of each year)
- Latitude
- Longitude

If you have any questions for the data, please contact: [yuechao.bnu@gmail.com](mailto:yuechao.bnu@gmail.com)