



The Arctic is one of the areas where the average temperature rise by global warming is the largest and the effect of climate change is predicted most notably on Earth. Changes in the Arctic can also have a major impact on the global climate system through changes in the atmosphere and ocean circulation, changes in the cryosphere and the biosphere. Japan, which is located in the northern hemisphere geographically and is strongly influenced by the Arctic region also in the climate and the environment, is required to clarify the mechanism of climate change and its impact of the Arctic, accurate prediction of future changes. We need to conduct more systematic Arctic environmental researches.

In order to demonstrate the comprehensive power of Japan as a whole in Arctic environmental research, promoting collaboration and cooperation among Arctic environmental researchers working on various research activities at each research institution, and strengthen Arctic environmental research with the all-Japan system as a network organization to work on, we established the "Japan Consortium for Arctic Environment Research" on May 25, 2011.

As of March 2018, 440 researchers from more than 90 institutions have registered to JCAR.

## Japan Consortium for Arctic Environmental Research



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# Japan Consortium for Arctic Environmental Research



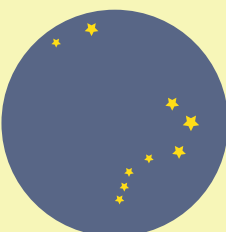
## About JCAR

The Japan Consortium for Arctic Environmental Research (JCAR) is an academic and non-profit organization consisting of individuals who are interested in Arctic research or related fields. The objectives of JCAR are to examine and develop the long-term research and infra-structure plan for the scientific Arctic environment researches in Japan, to enhance cooperation and coordination internationally and domestically, to consider human resource development, to make proposal on these Arctic environmental researches to science communities and related organization, and to circulate information among the scientific community and to the national and international public. The JCAR implements the Arctic session held every year at Japan Geophysical Union's annual assembly and ISAR (International Symposium on Arctic Research) held every two years (2008, 2010, 2013, 2015, 2018).



## Organization and funding of JCAR

The steering committee of JCAR leads the activity through gathering requests and comments from the registered members. In order to discuss in detail and implement specific issues, working groups such as Long-term planning WG, Research interaction WG, Early career development WG, Publicity and dissemination WG and Organization system WG were formed. In order to handle office works, the consortium office was established at National Institute of Polar Research (NIPR). The fund needed to run the JCAR is prepared by the NIPR.



<http://www.jcar.org/longtermjp/>



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