

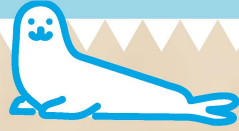
# Board Game for a Changing Arctic

The fate is in your hands!

Learning Tool  
on the Arctic Science

## The Arctic

Miraikan  
- The National Museum of  
Emerging Science and Innovation, JAPAN



Length  
approx.  
**45**  
minutes

Number of  
Players  
**4~6**

Suitable age  
**15+**  
(For High School  
Students and Above)

Released in Aug. 2019



<https://www.nipr.ac.jp/arcs/boardgame/en/>

### Understand the Arctic: Changing Arctic and Scientific Research

"ArCS" is a Japanese national Arctic research project, hosted by National Institute of Polar Research (NiPR), Japan Agency for Marine-Earth Science and Technology (JAMSTEC), and Hokkaido University. The goals of the project are 1) better understand the current state of the Arctic from the perspective of humanity, social and natural sciences, and 2) disseminate their findings to the public.



### Complexity in the Arctic Region

In recent decades, sea-ice extent in the Arctic Ocean has gone through a dramatic reduction. Ice sheets and glaciers are receding at unprecedented rates. Arctic permafrost is thawing fast, which makes the land more prone to erosions. These environmental changes have threatened the food security and living conditions of the residents in the Arctic regions. On the other hand, the sea-ice reduction has opened an opportunity for a new shipping route between Europe and Asia and enabled the extraction of oil and natural gas from places where it had never been accessible before.

Various fields of scientists have developed this board game in collaboration with the science museum.

