

第3回国際北極研究シンポジウム(ISAR-3)  
2013年1月15-17日 科学未来館(東京)で開催

<http://www.jcar.org/isar-3/>

-Detecting the change in the Arctic System and searching  
the global influence-

### **Important Dates**

Second circular: July 17, 2012

Pre-registration and abstract submission start: **July 17, 2012**

Deadline for abstract submission: **September 15, 2012**

### **Organized by:**

Committee on Earth and Planetary Sciences, Subcommittee for  
International Affairs (National Committee for IASC),

Science Council of Japan <T.B.D.>

Japan Consortium for Arctic Environmental Research (JCAR)

## **Sessions (The following general sessions will be provided.)**

- (1) **Atmospheric science**
- (2) Ocean and sea ice
- (3) Hydrology, permafrost and snow cover
- (4) Ice sheet, glaciers and ice cores
- (5) Terrestrial ecosystem
- (6) Marine ecosystem
- (7) **Integrated modeling studies**

## **The following special sessions are planned:**

- (1) Polar (Arctic) amplification in global warming
- (2) Change in water and carbon cycles of terrestrial ecosystem on permafrost in warming Arctic
- (3) Changes in Greenland ice sheet under interactions with the atmosphere and the ocean
- (4) **International cooperation on Arctic observation and research**
- (5) GRENE-Arctic program
- (6) Monitoring of Arctic environment