

## CLIVAR/CliC/SCAR Southern Ocean Region Panel SORP-12: 29-30 June, 2017

### National activities report

Country \_\_\_Russia\_\_\_\_\_

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Date \_\_\_15 July 2017\_\_\_\_\_

#### A. Recent and ongoing activities

Does your country have a national committee tasked with oversight of Southern Ocean climate science?

**No**

What major activities have been carried out in the last several years or are in progress now? Contact information for the projects would be useful.

#### Information on activities during the period January 2012 – September 2016 was provided in the report of September 2016

1. Observational (October 2016 – June 2017)

**Arctic and Antarctic Research Institute (AARI)  
38, Bering Street  
199397 Saint-Petersburg**

Project: Oceanographic program of the Russian Antarctic Expedition (RAE)

PI: Alexander Klepikov (klep@aari.ru)

In the period 15 – 31 January 2017 three CTD/O<sub>2</sub> transects (112 stations) were made from *r/v Akademik Fedorov* in the Davies Sea. Oceanographic stations were performed by "Sea Bird 911+" probe with water sampling to determine the nutrients on the particular horizons. Two sections were made along the Shackleton Ice Shelf front (Fig. 1). Two sections (26 stations) were made in 9 – 11 April 2017 in the northern part of Bransfield Strait and on the continental slope of the South Shetland Islands in the southern Drake Passage (Fig. 2).

Information on Antarctic Circumnavigation Expedition (December 2016 to March 2017) on board AARI research vessel *Akademik Tryoshnikov* has been included in Swiss national report for SORP. See also <http://spi-ace-expedition.ch/>

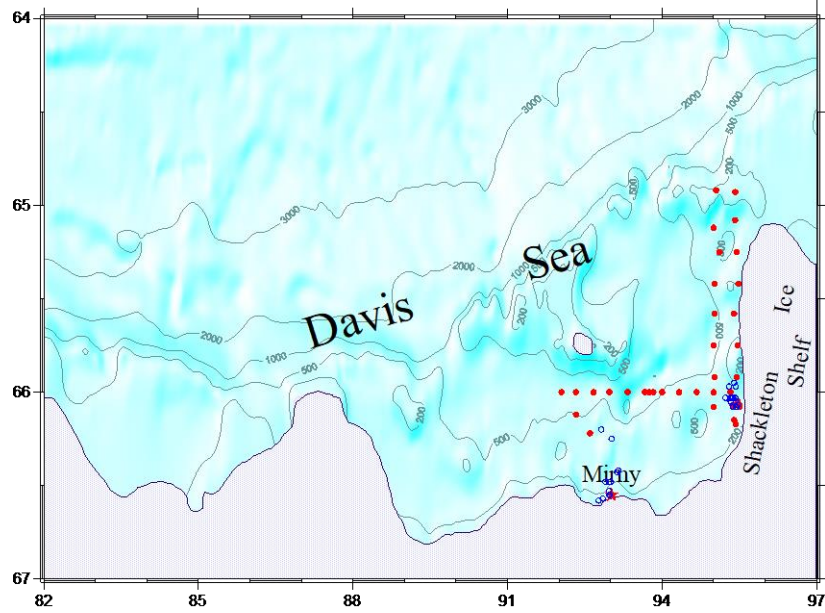


Fig. 1. AARI oceanographic stations in Davies Sea during the Russian Antarctic Expedition in January 2017 (red dots *SeaBird 911+* soundings with sampling, blue dots *SeaCat* soundings).

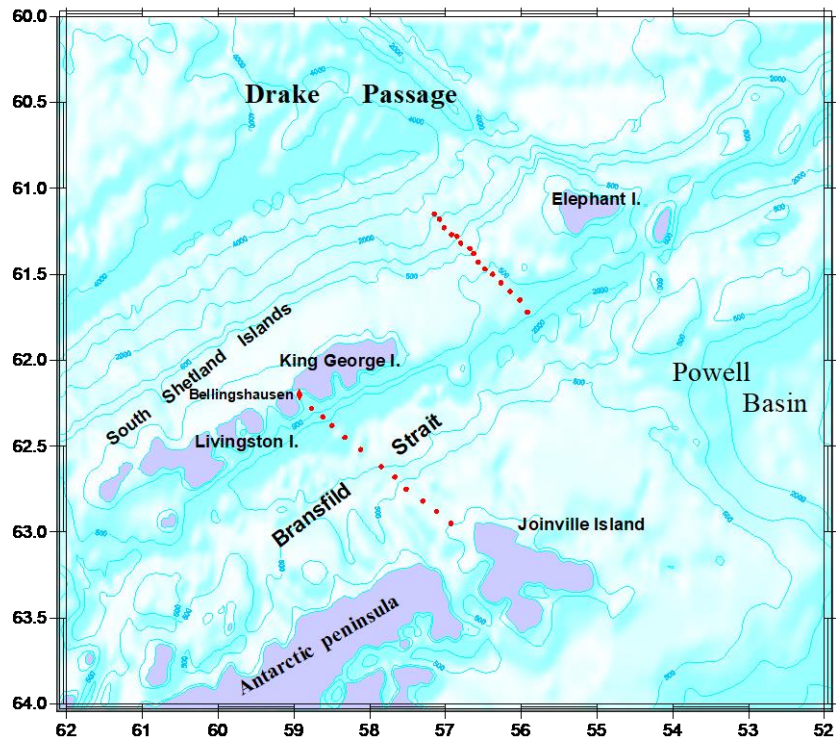


Fig. 2. AARI *SeaCat* soundings in Bransfield Strait during the Russian Antarctic Expedition in April 2017.

2. Modeling?  
No activity

3. State estimation?  
No activity

**B. Planned activities**

1. Observational?

**Arctic and Antarctic Research Institute (AARI) – 2017/2018**

- i) Sections in Davies Sea (January 2017, r/v *Akademik Fedorov*)
- ii) Repeated section along 70° E (February 2017, r/v *Akademik Fedorov*)
- iii) Repeated sections in Bransfield Strait along 70° E (March 2017, r/v *Akademik Tryoshnikov*)

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2. Modeling?  
No activity

3. State estimation?  
No activity