

RUSALCA Principal Investigators and Projects

U.S. Projects

[Cathy Cahill](#) *University of Alaska, Fairbanks*

Atmospheric Aerosols over the Bering & Chukchi Seas

[Jackie Grebmeier](#) and [Lee Cooper](#), *University of Tennessee*

Benthic Processes & Ecosystem Change in the Northern Bering & Chukchi Seas

[Russell Hopcroft](#) and [Ksenia Kosobokova](#) *University of Alaska, Fairbanks and Shirshov Institute of Oceanology, Moscow*

A Census of Arctic Zooplankton Communities

[Katrin Iken](#) and [Bodil Bluhm](#), *University of Alaska, Fairbanks*

Arctic Epibenthic Community Structure & Benthic Food Web Structure

[Brenda Norcross](#) and [Brenda Holladay](#), *University of Alaska, Fairbanks*

Fisheries Ecology of the Bering & Chukchi Sea

[Robert Pickart](#), [Andrey Proshutinsky](#), [Carin Ashjian](#), *Woods Hole Oceanographic Institution*

Flow of Pacific Water Through the Western Chukchi: Dynamics and Biological Implications

[David Stein](#), [Catherine Mecklenberg](#), [Natalia Chernova](#) and [Boris Sheiko](#), *NOAA, Pt. Stevens Research, and Zoological Institute of the Russian Academy of Sciences, St. Petersburg*

Biodiversity of Adult Fish

[Thomas Weingartner](#), *University of Alaska, Fairbanks*

Bering Strait: The Pacific-Arctic Ocean Connection

[Terry Whitlege](#) *University of Alaska, Fairbanks*

Interactions of Productivity & Nutrient Processes in the Northern Bering & Chukchi Seas

Russian Projects

[Anatoly S. Astakhov \(PI\)](#), [A.Svininnikov](#), [M.Ivanov](#), [V. Sattarova](#), [B. Li](#). *Pacific Oceanological Institute FEB RAS*

Investigation of Gas and Water (Cold and Hot Vents on the Piips Volcano

Discovery and investigation of gas and water seeps from sedimentary basins in permafrost degradation regions of the Bering and Chukchi Seas

[Cherkashov, G. \(PI\)](#), [Soloviev, A.](#), [Krylov, V.](#), [Petrova, L.](#), [Mazurenko L.L.](#), [O. Kijko](#). *VNIIOKEANGEOLGIA, St. Petersburg*

Study of hydrothermal activity and related geological and biological objects and processes on the Piips volcano, Bering Sea.

Glacial history of the Chukchi borderland

Study of gas hydrate accumulations associated with fluid discharge areas in the Bering and Chukchi seas

[Russell R. Hopcroft](#), (PI) *Institute of Marine Science, University of Alaska Fairbanks*, [Ksenia Kosobokova](#), *Shirshov Institute of Oceanography, Moscow*,
A Census of Arctic Zooplankton Communities

[Mikhail Ivanov](#) (PI, *academician*), [N. Pimenov](#), [A. Lein](#), [A. Savichev](#) and [I. Rusanov](#) (*Institute of Microbiology, Russian Academy of Sciences, Moscow*)
Microbiological and biogeochemical aspects of the carbon and sulfur cycles in the water column and bottom sediments of the Bering and Chuckchi Seas

[B.I. Sirenko](#), (PI) [S.G. Denissenko](#), [V.V. Petrijashev](#), [S.Ju. Gagaev](#), [A.A. Golikov](#), [A.V. Smirnov](#), [E.L. Markhaseva](#), *Zoological Institute RAS (St. Petersburg)*
Fauna of the Chukchi and Bering Seas and their dynamics.

[Igor Lavrenov](#), *Arctic and Antarctic Research Institute, Roshydromet, St. Petersburg*
Monitoring flux in the Western Bering Strait, Russian Mooring operations