

Cluster	Institution	No publications	No publication fractions	FWCI	Arctic intensity
3	Southcentral Foundation (USA)	95	41.3	0.80	91.3%
3	Government of Nunavut (CAN)	91	24.7	0.82	86.7%
3	North Slope Borough (USA)	99	29.0	1.06	84.6%
2	Icelandic Institute of Natural History (ISL)	131	40.3	0.93	79.4%
3	Greenland Institute of Natural Resources (GRL)	385	99.4	1.05	78.4%
3	North West Territories Geological Survey (CAN)	91	25.0	1.09	77.1%
2	University of Greenland (GRL)	213	89.4	0.78	76.1%
2	Iceland Geosurvey (ISL)	113	39.4	1.26	75.8%
3	Alaska Department of Fish and Game (USA)	406	153.0	0.78	73.0%
3	Government of the Northwest Territories (CAN)	143	41.9	1.00	71.1%
1	University Centre in Svalbard (SJM)	777	208.4	1.19	70.9%
1	Norwegian Polar Institute (NOR)	682	170.2	1.45	70.1%
2	Meteorological Office of Iceland (ISL)	149	43.6	1.01	69.6%
3	Government of Yukon (CAN)	114	38.3	0.76	68.3%
2	Icelandic Cancer Society (ISL)	83	13.9	0.74	59.3%
2	Agricultural University of Iceland (ISL)	133	43.8	0.68	58.8%
3	Alaska Department of Natural Resources (USA)	141	38.1	1.21	55.7%
2	Hólar University College (ISL)	75	31.1	0.72	55.6%
4	RAS - North-East Interdisciplinary Scientific Research Institute, Far Eastern Branch (RUS)	146	42.9	0.40	54.1%
3	University of Alaska Southeast (USA)	138	48.1	1.16	52.7%
2	University of Akureyri (ISL)	229	105.8	1.08	50.8%
6	Murmansk Arctic State University (RUS)	181	119.6	0.59	49.5%
3	University of Alaska Fairbanks (USA)	2649	1057.3	1.06	49.2%
4	RAS - Diamond and Precious Metal Geology Institute, Siberian Branch (RUS)	160	45.2	0.38	44.6%
2	Icelandic Heart Association (ISL)	157	29.2	1.44	41.6%
1	Institute of Oceanology of the Polish Academy of Sciences (POL)	331	93.8	1.02	40.6%
6	Murmansk State Technical University (RUS)	86	48.0	0.68	39.8%
2	Geological Survey of Denmark and Greenland (DNK)	528	185.7	1.04	38.7%
1	Danish Meteorological Institute (DNK)	156	34.8	1.60	37.8%
1	Bjerknes Centre for Climate Research (NOR)	560	134.4	1.72	36.9%
4	RAS - Institute for Biological Problems of Cryolithozone, Siberian Branch (RUS)	151	40.6	0.47	35.4%
5	RAS - Melnikov Permafrost Institute, Siberian Branch (RUS)	128	27.0	0.90	33.2%
2	Landspítali University Hospital (ISL)	673	220.7	1.01	32.6%
2	University of Iceland (ISL)	2812	1416.1	0.97	32.6%
2	University of Lapland (FIN)	419	256.4	1.04	31.4%
3	University of Alaska Anchorage (USA)	513	233.8	0.74	31.0%
2	Geological Survey of Norway (NOR)	253	91.1	1.00	30.8%
2	University of the Faroe Islands (FRO)	139	68.9	0.95	30.7%
7	A.P. Karpinsky Russian Geological Research Institute (RUS)	163	62.4	0.51	29.7%
1	Alfred Wegener Institute - Helmholtz Centre for Polar and Marine Research (DEU)	1665	473.5	1.53	29.6%
6	RAS - P.P. Shirshov Institute of Oceanology (RUS)	909	334.1	0.56	28.9%
1	Norwegian Meteorological Institute (NOR)	213	73.3	1.14	28.0%

5	RAS - Tyumen Scientific Center, Siberian Branch (RUS)	185	48.2	0.85	27.0%
4	RAS - Ilyichov Pacific Oceanological Institute, Far Eastern Branch (RUS)	287	86.5	0.64	25.7%
1	Norwegian Institute for Air Research (NOR)	213	48.5	1.37	25.6%
1	Norwegian Institute for Water Research (NOR)	381	95.0	1.17	25.3%
1	Research Organization of Information and Systems, National Institute of Polar Research (JPN)	317	73.8	0.91	25.2%
2	Norwegian Institute for Nature Research (NOR)	459	142.6	1.17	24.9%
6	Russian State Hydrometeorological University (RUS)	179	98.8	1.52	24.9%
4	RAS - Institute of Biological Problems of the North, Far Eastern Branch (RUS)	113	29.2	0.33	24.0%
1	Korea Polar Research Institute (KOR)	430	156.4	0.67	23.9%
1	Institute of Marine Research (NOR)	610	226.5	1.34	23.5%
3	United States Fish & Wildlife Service (USA)	389	129.3	0.81	23.0%
7	Rosneft Oil (RUS)	77	56.7	1.17	23.0%
2	deCODE Genetics (ISL)	83	16.0	4.70	22.7%
2	University of Tromsø – The Arctic University of Norway (NOR)	2956	1320.7	0.97	22.1%
4	RAS - Pacific Geographical Institute, Far Eastern Branch (RUS)	117	31.9	0.67	21.6%
2	RAS - Institute of Plant and Animal Ecology, Ural Branch (RUS)	187	53.3	0.45	20.8%
3	Fisheries and Oceans Canada (CAN)	836	282.6	1.08	20.4%
3	Woods Hole Research Center (USA)	88	18.0	1.97	20.4%
8	RAS - Institute of Biology of the Komi Science Centre, Ural Branch (RUS)	177	59.9	0.47	20.1%
6	Northern Arctic Federal University (RUS)	337	217.6	0.47	20.0%
5	Russian Federal Service for Hydrometeorology and Environmental Monitoring (RUS)	121	54.5	0.66	20.0%
1	National Centre for Antarctic & Ocean Research (IND)	135	55.2	0.63	19.2%
2	Geological Survey of Finland (FIN)	139	69.8	1.01	18.7%
3	Environment and Climate Change Canada (CAN)	1070	335.6	1.27	18.6%
3	Canadian Museum of Nature (CAN)	91	34.6	0.55	18.4%
6	Northern State Medical Academy (RUS)	127	61.3	0.46	18.1%
1	Institute of Geophysics of the Polish Academy of Sciences (POL)	117	30.2	0.91	17.6%
8	RAS - Institute of Biology, Karelian Research Centre (RUS)	87	28.8	0.41	17.3%
3	Université du Québec à Rimouski (CAN)	293	83.3	1.07	17.1%
1	Dunstaffnage Marine Laboratory (GBR)	141	32.0	1.51	16.9%
1	Finnish Meteorological Institute (FIN)	456	143.7	1.41	16.8%
2	University Hospital of North Norway (NOR)	389	134.1	1.02	16.0%
4	RAS - Trofimuk Institute of Petroleum Geology and Geophysics, Siberian Branch (RUS)	269	90.0	0.69	15.8%
4	North-Eastern Federal University (RUS)	416	200.8	0.52	13.6%
8	RAS - Karelian Research Centre (RUS)	207	84.0	0.49	13.3%
1	British Antarctic Survey (GBR)	319	74.0	1.46	12.9%
1	Swedish Meteorological and Hydrological Institute (SWE)	110	35.5	1.32	12.6%
5	RAS - Sukachev Institute of Forest, Siberian Branch (RUS)	76	15.7	0.94	12.5%
2	National Veterinary Institute Norway (NOR)	99	32.2	1.37	12.2%
3	Natural Resources Canada (CAN)	716	289.7	1.10	11.9%
1	Norwegian Research Centre (NOR)	183	50.0	1.20	11.8%
1	Woods Hole Oceanographic Institution (USA)	519	160.0	1.52	11.3%
8	RAS - Komi Science Centre, Ural Branch (RUS)	221	78.5	0.43	11.2%
2	Reykjavik University (ISL)	245	112.3	0.98	11.0%
1	Max Planck Institute for Meteorology (DEU)	135	36.3	1.81	10.7%

1	National Oceanic and Atmospheric Administration (USA)	1745	658.2	1.32	10.5%
1	Helmholtz Centre for Ocean Research Kiel (DEU)	389	98.9	1.35	10.2%
2	Swedish Museum of Natural History (SWE)	188	52.8	1.02	10.1%
5	RAS - Institute of Monitoring of Climatic and Ecological Systems, Siberian Branch (RUS)	77	33.3	0.56	10.0%
4	RAS - United Schmidt Institute of Physics of the Earth (RUS)	191	60.7	0.50	9.8%
2	Nord University (NOR)	290	149.7	1.16	9.7%
1	Royal Netherlands Institute for Sea Research - NIOZ (NLD)	222	41.8	1.56	9.7%
4	RAS - Institute of the Earth's Crust, Siberian Branch (RUS)	87	21.3	0.57	9.5%
3	Government of Alberta (CAN)	80	21.0	1.21	9.5%
1	NASA Goddard Institute for Space Studies (USA)	101	17.1	1.82	9.3%
1	National Oceanography Centre (GBR)	267	53.0	1.55	9.2%
1	Leibniz Institute for Tropospheric Research (DEU)	76	19.7	1.38	8.9%
6	NASU - Marine Hydrophysical Institute (UKR)	80	37.7	0.49	8.8%
4	RAS - National Scientific Center of Marine Biology, Far Eastern Branch (RUS)	100	26.7	0.55	8.7%
4	RAS - Far Eastern Branch (RUS)	669	172.7	0.45	8.4%
4	RAS - Sobolev Institute of Geology and Mineralogy, Siberian Branch (RUS)	200	49.6	0.67	8.2%
1	Japan Meteorological Agency (JPN)	115	28.4	1.16	8.2%
3	Government of British Columbia (CAN)	77	24.2	1.18	8.0%
3	United States Geological Survey (USA)	1456	529.5	1.11	7.9%
3	Bureau of Reclamation (USA)	79	26.1	0.79	7.8%
5	Tyumen State University (RUS)	225	85.5	0.88	7.7%
3	Trent University (CAN)	209	78.6	0.85	7.7%
1	Met Office (GBR)	219	66.7	1.99	7.7%
1	European Centre for Medium-Range Weather Forecasts (GBR)	101	28.5	2.36	7.6%
3	Acadia University (CAN)	108	33.2	0.84	7.6%
1	CAS - Institute of Atmospheric Physics (CHN)	531	130.4	1.39	7.5%
7	Gazprom (RUS)	102	55.0	0.31	7.5%
2	Luke Natural Resources Institute Finland (FIN)	283	111.3	0.91	7.4%
2	Equinor ASA (NOR)	136	73.5	1.10	7.3%
1	Centre national de recherches météorologiques (FRA)	101	13.8	1.45	7.1%
2	Federal Institute for Geosciences and Natural Resources (DEU)	81	28.9	0.90	6.9%
1	Japan Agency for Marine-Earth Science and Technology (JPN)	363	104.4	0.93	6.9%
2	Umeå University (SWE)	1174	650.7	1.08	6.7%
2	Norwegian Institute of Bioeconomy Research (NOR)	130	46.7	0.90	6.6%
1	Finnish Environment Institute (FIN)	113	33.8	1.37	6.5%
1	Météo France (FRA)	106	13.4	1.36	6.4%
1	Institut universitaire européen de la mer (FRA)	125	13.3	1.49	6.2%
2	University of Oulu (FIN)	1095	514.6	0.95	6.2%
1	Desert Research Institute (USA)	81	16.4	1.24	6.1%
1	State Oceanic Administration China (CHN)	495	188.8	0.68	6.0%
1	National Center for Atmospheric Research (USA)	341	82.8	1.69	5.9%
3	University of Northern British Columbia (CAN)	124	56.2	1.11	5.8%
2	Helmholtz Centre Potsdam - German Research Centre for Geosciences (DEU)	316	73.9	1.65	5.7%
5	Industrial University of Tyumen (RUS)	180	119.5	1.16	5.7%
1	University of Maryland Center for Environmental Science (USA)	79	26.1	1.16	5.7%

7	Saint Petersburg Mining University (RUS)	247	199.6	1.60	5.5%
1	Science Systems and Applications, Inc. (USA)	99	23.4	1.29	5.4%
5	Max Planck Institute for Biogeochemistry (DEU)	73	11.6	1.76	5.3%
1	Southern Marine Science and Engineering Guangdong Laboratory - Guanzhou (CHN)	218	56.9	0.97	5.2%
4	RAS - Pushkov Institute of Terrestrial Magnetism, Ionosphere and Radiowave Propagation (RUS)	72	27.7	0.27	5.1%
1	University of Bergen (NOR)	1199	394.6	1.20	5.1%
2	British Geological Survey (GBR)	130	32.9	1.12	5.1%
7	I.M. Gubkin Russian State University of Oil and Gas (RUS)	124	72.0	0.75	5.0%