

The High North

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The High North

Between Geography and Politics

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To the loving memory of my Father

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About the Author



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Abbreviations and Acronyms

ABC	Arctic Biodiversity Coalition
AC	The Arctic Council
ACA	Arctic Change Assessment
ACCE	Antarctic Climate Change and the Environment
ACCOnet	Arctic Circumpolar Coastal Observatory Network
ACD	Arctic Coastal Dynamics
ACEX	Arctic Coring Expedition
ACIA	Arctic Climate Impact Assessment
ACSNet	Arctic Climate System Network
ACSYS	Arctic Climate System Study
AGU	American Geophysical Union
AHDR	The Arctic Human Development Report
AHHEG	Arctic Human Health Experts Group
AHHI	Arctic Human Health Initiative
AIDA	Atmospheric Investigations on a Drifting observatory over the Arctic Ocean
AMAP	Arctic Monitoring and Assessment Program
AMSTEC	Japan Agency for Marine-Earth Science and Technology
AOS	Arctic Observing Summit
AOSB	Arctic Ocean Sciences Board
APECS	Association of Polar Early Career Scientists
APEX	Arctic Palaeoclimate and its Extremes
ART	Arctic in Rapid Transition
ASI	Arctic Social Indicators
ASSW	Arctic Science Summit Week
ATCM	Antarctic Treaty Consultative Meeting
AWI	Alfred Wegener Institute for Polar and Marine Research
BCFG	Billion Cubic Feet of Natural Gas
BEST	Bering Ecosystem Study
BipAG	Bipolar Action Group

CAFF	Conservation of Arctic Flora and Fauna
CALM	Circumpolar Active Layer Monitoring
CBMP	Circumpolar Biodiversity Monitoring Program
CCMVal	Climate—Chemistry Model Validation
CEFAS	Centre for Environment, Fisheries, and Aquaculture Science
C-GTOS	Coastal Global Terrestrial Observing System
CITES	Convention on the International Trade of Endangered Species (Konwencja o międzynarodowym handlu zagrożonymi gatunkami)
CliC	Climate and Cryosphere Project
CMIP	Coupled Model Intercomparison Project
COMAAR	Co-ordination of Observation and Monitoring of the Arctic for Assessment and Research
COMNAP	Council of Managers of National Antarctic Programs
COP15	2009 United Nations Climate Change Conference
COPEs	Coordinated Observation and Prediction of the Earth System
CPE	Comité Polar Español
CRS	Congressional Research Service
CryOS	Cryosphere Observing System
CSA	Canadian Space Agency
DBO	Distributed Biological Observatory
ECORD	European Consortium for Ocean Research Drilling
ECV	Essential Climate Variables
EEZ	Exclusive Economic Zone
EGU	European Geophysical Union
EIWG	Extractive Industries Working Group
EOC	Education, Outreach, and Communication
EPB	European Polar Board
ERICON	European Research Icebreaker Consortium
ESA	European Space Agency
ESF	European Science Foundation
ESM	Earth System Models
ESRI	European Strategy Forum on Research Infrastructures
EUCOP	European Conference on Permafrost
FARO	Forum of Arctic Research Operators
GCOS	Global Climate Observing System
GDEM	Global Digital Elevation Model
GDP	Gross Domestic Product
GEUS	Geological Survey of Denmark and Greenland
GIC	Glacier and Ice Cap
GICAC	Glaciers and Ice Cap Assessment Consortium
GFCS	Global Framework for Climate Services
GGD	Global Geocryological Database

GIN	Greenland–Iceland–Norwegian seas
GLACIODYN	Dynamic Response of Arctic Glaciers to Global Warming
GTN-P	Global Terrestrial Network on Permafrost
GTOS	Global Terrestrial Observing System
GOOS	Global Ocean Observing System
HERMIONE	Hotspot Ecosystem Research and Man’s Impact On European Seas
IACP	Institute for Applied Circumpolar Policy
IACS	International Association of Cryospheric Sciences
IAI	International Antarctic Institute
IAMAS	Association of Meteorology and Atmospheric Science
iAOOS	Integrated Arctic Ocean Observing System
IAPSO	International Association for the Physical Sciences of the Oceans
IAR	Agencja Radiowa
IASC	International Arctic Science Committee
IASSA	International Arctic Social Sciences Association
ICAM	International continental Arctic margins
ICARP	International Conference on Arctic Research Planning
ICASS	International Congress of Arctic Social Sciences
ICC	Inuit Circumpolar Council
ICCH	International Congress on Circumpolar Health
ICEHUS	Ice Age Development and Human Settlement in Northern Eurasia
ICEMASS	Response of Arctic Ice Masses to Climate Change
ICES	International Council for the Exploration of the Sea
ICS	International Council for Science
ICSIH	The International Commission for Snow and Ice Hydrology
ICSU	International Council for Science
IG	Initiating Group
IGY	International Geophysical Year
IHP	International Hydrological Programme
ILO	International Labour Organization
INCHR	International Network for Circumpolar Health Research
INTERACT	International Network for Terrestrial Research and Monitoring in the Arctic
IODP	Integrated Ocean Drilling Program
IPA	International Permafrost Association
IPCC	Intergovernmental Panel on Climate Change
IPD	International Polar Decade
IPY	International Polar Year
IPY IPO	International Polar Year International Program Office
ISAC	International Study of Arctic Change

ISMASS	Ice Sheet Mass Balance and Sea Level
IUCH	The International Union for Circumpolar Health
IUCN	World Conservation Union
IUGG	International Union of Geodesy and Geophysics
IWC	International Whaling Commission
JAXA	Japan Aerospace Exploration Agency
JC	Joint Committee
JCAR	Japan Consortium for Arctic Environmental Research
JSC	Joint Scientific Committee
LAI	Land–Atmosphere–Ice Interactions
LANDSAT	Series of Earth-observing satellite missions jointly managed by NASA and the US Geological Survey
LGM	Last Glacial Maximum
LNG	Liquified Natural Gas
LoA	Letter of Agreement
LOICZ	Land–Ocean–Interactions in the Coastal Zone
LOMROG	Lomonosov Ridge Greenland Expedition
MAGICS	Mass balance of Arctic Glaciers and Ice sheets in relation to the Climate and sea level changes
MMBNGL	Million barrels of natural gas liquids
MMBO	Million barrels of oil
MOCA	Meltwater routing and Ocean–Cryosphere–Atmosphere response project
MoU	Memorandum of Understanding
NAG	Network on Arctic Glaciology
NAMMCO	The North Atlantic Marine Mammal Commission
NAO	North Atlantic oscillation
NaSMAC	Ny-Ålesund Science Managers Committee
NcoE	Nordic Centre of Excellence
NEFCO	Nordic Environment Finance Cooperation (The Nordic Council of Ministers)
NERI	National Environmental Research Institute
NIPR	National Institute of Polar Research
NORA	The North Atlantic Cooperation
NRC	National Research Council
NSF	National Science Foundation
NSIDC	National Snow and Ice Data Center (Boulder, California)
NQA	Not quantitatively assessed
NWP	Numerical Weather Prediction
OSC	Oslo Science Conference
PAN	Polar Archeology Network
PAR	Pacific Arctic region
PCSP	Polar Continental Shelf Program

PIC	Polar Information Commons
POLENET	Polar Earth Observing Network
PONAM	Polar North Atlantic Margin
PPP	Purchasing Power Parity
PRIC	Polar Research Institute of China
PROMICE	Programme for Monitoring of the Greenland Ice Sheet
QSR	Quaternary Science Reviews
QUEEN	Quaternary Environment of the Eurasian North
RCM	Regional Climate Model
RINK	Respons af Indlandsisen til Naturlige Klimaændringer
RRS	Royal Research Ship
RSL	Relative sea level
R/V	Research Vessel
SAC	State of the Arctic coast
SAI	Stefansson Arctic Institute
SAON	Sustaining Arctic Observing Networks
SAR	Search and Rescue
SCAR	Scientific Committee on Antarctic Research
SCOR	Scientific Committee on Oceanic Research
SDWG	The Sustainable Development Working Group
SEARCH	Study of Environmental Arctic Change
SERCE	Solid Earth Responses and Influences on Cryospheric Evolution
SG	Steering Group
SIOS	Svalbard Integrated Earth Observing System
SLCFs	Shortlived Climate Forces
SLICA	Survey of Living Conditions in the Arctic
SOOS	Southern Ocean Observing System
SPARC	Stratospheric processes and their role in climate
SPICE	Space-borne Mmeasurements of Arctic Glaciers and Implications for Sea Level
SRP	Scientific Research Programme
SSG	Scientific Steering Group
SVALI	Stability and Variations of Arctic Land Ice
SSC	Scientific Standing Committee
SWIPA	Snow, Water, Ice, and Permafrost in the Arctic
THC	Thermohaline Circulation
TSP	Thermal State of Permafrost
UArctic	University of the Arctic
UNCLOS	United Nations Convention on the Law of the Sea
UNEP	United Nations Environmental Program
UNESCO	United Nations Educational, Scientific, and Cultural Organization

UNFCCC	United Nations Framework Convention on Climate Change
UNIS	The University Centre in Svalbard
USGS	United States Geological Survey
WCC	World Climate Conference
WCC-3	Third World Climate Conference
WCRP	World Climate Research Programme
WG	Working Group
WMO	World Meteorological Organization
WTO	World Trade Organization
WWF	World Wildlife Fund