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Project title	Contact	Institution - lead	Institution - other	Country - Lead	Country - other	Project leader	Other participants	Investigated	and Descriptionikbstract
Collaborative Research: The Polaris Project II: Amplifying the Impact	snatali@whrc.org	Woods Hole Research Center	US Geological Survey, University of Texas and others	USA	UK, Netherlands Russia	Susan Natali i,			The Native Target II is continuing of a programming the strain the new generation of antice researchers, a phasmas section understanding of the Arctis, and II section and a programming of the Native strain term of the Native s
Paleoclimate Analysis of a Miocene Arctic Forest from the Kolyma River Basin, Northeastern Russia	hopesihren@gmail.com	University of Hawaii	Bowdain College	USA		Hope Jahren		Kolyma ba	(iii) This projet haved upon a study of thring (-54 kb = 5-10k) trents that have thread on the first Actic Crick Thisse unique accessions were subject by percepting percepting of the study of the s
RCH-SEES: Building a Research Network for Promoting Arctic Urban Builtainability in Russia	roffung@gmail.com	George Washington University		USA	Russia	Robert Ortlung			The asset is separating a Research Cootstation Network and and a costing models for Acids: uchan sustantiality. It is a null-desciptiony, immentional differ saming performs the interconnections among resource development, chinality and acids, and acids and performance in the provide acids one site. Specific acids and acid generation and the research performs interconnection in a way that produce minimal impact on the environment. The five-per paper is connecting an immunal meeting of scientifics vorticing on these susces in National Science acids and the related interactional acids and acids and acids and acids acids interactional acids acids acids acids by bringing together geographene, policies acids aci
Zasasang Kooselaga, Realiance J. Adgutation and Yatoy Needs in Northern Russan Villages Experiencing Unprecedented Climatic Change	sorate (Bgmu edu	George Mason University		USA	Russia	Susan Crate		Vilui Sakh	This property privary operior to taketes the toxeledge, relations and subjection, public projected or tar VMI solution commendes in nontreasient Biosea, fassal, construits using toxel nontreasient biolecular biosea, fassal, construits using toxel nontreasient bio toxel nontreasient biosea, fassal, construits using toxel nontreasient bio konstel bio kons
Collaborative Research on Carbon, Water, and Energy Balance of the Arctic Landscape at Flagship Observatories in Alaska and Siberia	gwk@umich.edu, msbretharte@alaska.edu, gshaver@mbl.edu	University of Michigan Ann Arbor	University of Alaska Fairbanks, Marine Biological Laboratory, Northeast Science Center	USA	Russia	George Kling, Marion Bret-Harte, Galus Shaver		Kolyma ba	on The acid tendecupe intensis with the global and regional clineatic by anchronoping cancel docation, methane, water and energy with the attractionates. The tot goal of the source licensis of the state water and energy with the attractionates in the source licensis of the state. The source attract and energy with the attractionates in the source licensis of the state. The source licensis in the state is and energy and interest licensis in the state. The source licensis in the state is attractionate in the source licensis in the state. The source licensis is the state is at the source licensis in the state is at the source licensis in the state is at the source licensis in the state is at the state is attraction of the state is a the state is at the state is a the state is at the state i
Burbao Energy Budget a Arcic Terrential Sila: Coanthyse Energy and Momentum Ficuse and their Associated Physical Processes	Andrey Grachev@colorado.edu	University of Colorado at Boulder		USA		Andrey Grachev			The proof all perform disposite analysis of the processes moduling the suffices radius, bulker, not conclude the said a wavel Bloyd of Elementarial Action Data (Bloyd Data) and analysis of the processes and all subjects of the proceses and all
Developing Indigenous Research Methodologies in the Antic (RMA A); Examining the impact of Settlement on Socialization and Youth Experience in Stheria and Alaska	smrasmus@alaska.edu	University of Alaska Fairbanks	University of Cambridge	USA	ик	Stacy Rasmus	Olga Ulturgasheva	Eveny communiti Siberia	The comparative entropycelic paragets a study of extern Indegroups spatial with special blocks on the local Indegroup of external one of the special and study indegroups and the special blocks on the local Indegroup of the special and study indegroups and the special blocks of the special and study indegroups and the special blocks of the special and study indegroups and the special blocks of the special and study indegroups and the special blocks of the spe

Collaborative Research: Sensitivity of Circum-Arctic Peatland Carbon to Holocene Warm Climates and Climate Seasonality	zh/2@lehioh.edu	Lehigh Üniversity	Bowdoin College University of Hawaii	USA		Zicheng Yu		Kamchatka	Floor accelerate/Arcic warming has caused velocepaid danges in terretifiel ecosystems, including cathor dynamics. Part dimete warming and documented ecosystems responses provide crucial integré from Lachin blacky for unaturating and projection possible responses to Marcel and marcel marcel transport (Harver). University (Harver) of Harverian de Danado (Harverian de Lander andre, In The Project focus on to warm climate interiors). (I) the Holcows Thermate Routement and ecosystem and ecos
RUI: Collaborative Research: Fire regime influences on carbon dynamics of Siberian boreal forests	mioranity@colgate.edu	Colgate University		USA		Michael Loranty			The primary operation of this research is to increase understanding of post-fire organic carbon dynamics in boreal forests of the Siberian artic by eluxiding the ecological mechanisms by which increased fre barvery to valid influence organic carbon accumulation and storage over accessional interval. The overarching hypothesis is the post-fire organic barver dynamic and barvery and the post-fire organic carbon barver through organic layers dynamic barvery to the post-fire organic carbon barvery to post-fire organic barver dynamic barvery to post-fire organic barver dynamic barvery to post-fire organic barver dynamic barvery to post-fire organic barvery to post-fire organic barver dynamic barvery to post-fire organic barver dynamic barvery to post-fire organic barver dynamic barvery to post-fire organic barvery to post-fire organic barver dynamic barver dy
RCN-SEES Arctic-FROST: Arctic Frontiers Of SusTainability: Resources, Societies, Environments and Development in the Changing North	andrey getrov Ruri, edu	University of Northern Iowa		USA		Andrey Petrov	network		Arctic-FROST is an international interdisciplinary collaborative network that teams together environmental and social scientists, local educators and community members from all circumpolar countries to enable and mobilize research on sustainable Arctic development, specifically aimed at improving health, human development and well-beinged Arctic communities while conserving ecosystem structures, functions and any and at improving health or the anti-optimated at environmental and well-beinged at the anti-optimate and and and and and and and and and anti-optimate at the a
Study of Environmental Arctic Change" (SEARCH)	hajo.eicken@gi.alaska.edu	University of Alaska Fairbanks, Chair, Science Steering Committee	many participating	USA		Hajo Eicken	research framework		resorces me pupper one projects to commone to conceptuar, appres are executional aspects or sistantiamity science advoir mervicit, and beyond. SEARCH is concerned as a broad, interdisciplinary, much acade program with support from a number of U.S. agencies. A crea aim is understanding recent Arctic environmental change and its relationship to hemispheric phenomena. Science plans for SEARCH were developed and are available from the SEARCH website.
Olivala Casavalari Istoration and Ocean Fusionation	fashi ang Ang ang	NOM Clearly Observations Office	surgery IIC and Duralize			Kathu Casas	with many participants	Charles Co	• Person III & Malesel Personal and Researched e Maleslandine (RPAT) reasonant led als recent des multiplikes trailing to englische des Endlis Personals Office annotation (RPAT) - Personant (RPAT) - P
Umain-ecosystem nineracuoris and Ocean Exponation	nany, Janegroaa, Gov	NOVA, Canale Obsevators Once	Indifferences of and Russian	Russia		Kany Grane		Citakoni ae	Linetaria fine Barring and Chakoth Seas. 2004. 2008. arXiV 21 (prediscipality), and annually since 2005 fin monoring deployment and secondary access previous prev
Tiksi International Hydrometeorological Observatory	maksh@aari.mw.ru, Taneii.Uttal@noaa.gov	Arctic and Antarctic Institute, NOAA		Russia	USA	Alexander Makshtas Tanell Uttal		Tiksi (Lena Delta)	Documents generations particular processions particular generations and the second second particular provides a long continuous historical record of atmospheric and adjacent oceanographic measurements. Through a partnership between Reshydromet, NOAA and the Finnish Meteorological Institute, the facilities (a
									new observatory/weather station building, a clean air facilly, a 20 meter tower, various racks and distributed field sites) and observing capacity ingeting, because, chemistry, back carbon, climate grade weather documentors, active larger imperatures, and clocks have been significantly enhances. The main goal of the Titud Discovardory is to serve as a low grade model to desarvatory climate and and and the click and arrong them particular statistical and and and the click and arrow particular statistical and and and the click and arrow particular statistical and and and the click and arrow particular statistical and
Collaborative Research: IPY: Arctic Great Rivers Observatory (Arctic-GRO	rspencer@whrc.org	Woods Hole Research Center		USA		Robert Spencer			The Actic Grant Neuro Diservatory (Actic CRC) project assessing nor dorabilised (Televinsty, tustopes, Antrohost) taxes and doctages in the CV. Yomey, Lans, Activity, Naton and Macketon Revers. The overactivity scientific actionals for the Actic CRC Neuro Neuro Neuro ACCID (3) in tal tayes in Hypothypa and domitiying on a busined base science in the science of the science of the Neuro Neuro Neuro Neuro ACCID (3) in tal tayes and tayes and tay and ta
Bering Sea Sub Network: A Distributed Human Sensor Array to Detect Arctic Environmental Change	victoriag@alaska.net, afla@uaa.alaska.edu	Aleut International Association	University of Alaska Anchorage Anchorage	USA	Russia	Victoria Gofman,	Lilian Alessa	Beringia	downtream reaches of the Uo, trentsey, Lena, and konyma nees in Sobera, and the Turkon and Maximize nees in North America, provides a superior means for assessing environmental change in the Arcc. This project is implementing a Bering Sea Sub-Network (BSSN), which is a regional initiative of community-based organizations observing network consisting of eight villages in Western Alaska and Northeast Russia. The distributed network cathers local observations in surveys. Interviewing humbers and Braemen who are regarded as emolosy to ecole as individual, coordinated sensors for local environmental
									observations of socio-ecological change. BSSN is addressing the following questions: (1) how have economically significant species changed over the past century and what strategies have residents used to cope with these changes. (2) what lay biophysical variables and indicators may be correlated to change in distribution and properties of ecological systematic species; (3) how have it do indigenous and tratational includeige and Western science show spatial/hempoi a convergence and statistical contribution at the properties of ecological systematic and contrains in individual and commonly the statement science show spatial/hempoi aconvergence and statistical contribution at the properties of ecological systems and constrains in individual and commonly of the statement of the st
AON: Thermal State of Permafrost (TSP) in North America and Northern	veromanovsky@alaska.edu	University of Alaska Fairbanks		USA		Vladimir			adaptation to changes? BSSN is perceived designed to serve as a means for remote indigenous villages around the Bering Sea to communicate their observations on the environment and subsistence harvests. There exists no global database that defines the thermal state of permafrost within a specific time interval. Internationally, reported or unpublished temperature measurements have been obtained at various depths
Eurasia: The US Contribution to the International network of Permatrost Observatories (INPO						Romanovsky			and periods over the past her or mode datable, and it is lown in the three therepeatures have charged at different regions. Analysis of temperature advanced in the extension of the period between the second and the s
Nansen and Amundsen Basin Observational System (NABOS-II)	lgor@larc.uaf.edu	University of Alaska Fairbanks		USA	Russia	Igor Polyakov			poundaries, and to provide spatial data for climate scenario modes and temperature reanalysis approaches. This study aims to compile a cohesive picture of the climatic changes in the Eurasian and Makarov basins (EMB) of the Arctic Ocean, with particular focus on understanding three major observational targets: (1)
									coal socialism. The goal of the sport is to be assert fundamental questions about constation and transformation of Marker Nater (Mig), and to provide constat for the conceptuality biological, and do manual ampling programs. And of the study free are surround participants, the midipality and marker marker study and the study free are surround participants. The midipality and conceptuality biological, and are study free are surround participants of the midipality and conceptuality and the study free are surround participants. The cruste pask, however entire participants and the fundamental questions and study marker and and the study free are surround participants. The cruste pask however entire participants and the study and and and the fundamental questions and the fundamental questions. The cruste pask however entire procession affects and and the fundamental questions and the fundamental que
Northern Eurasia Earth Science Partnership Initiative (NEESPI	Pasha.Groisman@noaa.gov	NOAA		USA	many others	Pavel Ya. Groisman			NEESPI is a research framework supporting earth system science research in norhem Eurasia, including participation from Nausia, Lizuine, Flinaid and many dher countries. In the U.S., he National Aeronaufics and Space Administration (NASA) has provided project studing humph he NASA. Land Cover Land Lea and NASA Cancho Cryde Science regraman, and other projects supporting has science in plan have been funded through NSF and NOAA. Not all projects would be considered and: Lo ther convenience, the currently funded projects that are supported in part by NASA in Russia are cullined below, with U.S. contacts convoled: other U.S. and international concersions are blacked on the NESEPI website.
Changes of Land Cover and Land Use and Greenhouse Gas Emissions in Northern Eurasia: Impacts on Human Adaptation and Quality of Life at Regional and Global Scales	qzhuang@purdue.edu	Purdue University		USA		Quintal Zhuang			NEESPI project
Assimilation of tower and satellite-based methane observations for improved estimation of methane fluxes over northern Eurasia	d dennisl@u.washington.edu	University of Washington		USA		Dennis Lettenmaier			NEESPi project
Eurasian Railway Measurements of greenhouse, ozone-depleting, and air quality gases in TRans-Siberia Observations of the Chemistry Into the Chemistry of the Atmosphere (TROICA).	james.w.elkins@noaa.gov	NOAA/Earth System Research Laboratory, Boulder, Colorado		USA		James W. Elkins			NEESPI project
Boreal zone forest type and structure from EOS data sets	Jon.Ranson@nasa.gov	Goddard Space Flight Center, Greenbelt, Marvland		USA		Jon Ranson			NEESP project
Wildfire, Ecosystems, and Climate: Examining the relationships between weather, extreme fre events, and fire-induced land -cover change in the weather in the second sec	a.j.soja@larc.nasa.gov	NASA Langley Research Center, Hampton, VA		USA		Amber Soja			NEESPI project
changing dimate of Siberia Wildfre Impacts on Carbon Stocks and Exchanges in Forests of Central Siberia: Quantifying Effects of Fire Intensity, Fire Severity, and Burning Conditions	sconard@fs.fed.us	USDA Forest Service		USA		Susan G. Conard			NEESP project
Conducts Collaborative Research: Synthesis of Arctic system carbon cycle research through model-data fusion studies using atmospheric inversion and process hased anomaches	qzhuang@purdue.edu	Purdue University		USA		Qianlai Zhuang			NEESPI project
Diagnosis and prognosis of changes in lake and wetland extent on the regional carbon balance of northern Eurasia	dennisi@u.washington.edu	University of Washington		USA		Dennis Lettenmaier			NEESPI project
Quantifying Changes in Northern High Latitude Ecosystems and Associated Feedbacks to the Climate System	sgoetz@whrc.org	Woods Hole Research Center		USA		Scott Goetz			hEESF project: Using a combinition of statilite observations and models, this projects users a simple model of utuals NEE capable of accuratily representing a board prace of part functional types with a implified parameterisation scheme to quartify and cardon budgets for the bundle budgets for the 2011 to 2015 period. Our analyses quartify spatial and temporal public, and uses a shellen beamvioles of induses in service of uncertainty. Using a part of East on the stude budgets for the 2011 to 2015 period. Our analyses quartify spatial and temporal public and budgets of the datable of induse measures of uncertainty. Using the stude stude in the stude budgets for the 2011 to 2015 period. Our analyses in CO ₀ and a statile budgets of the datable of practicitions of funce functions. We compare our maps of the 2011 to 2015 period. Our analyses in CO ₀ and a statile budgets of the datable of practicitions of funce in tunks and equation distribution to quartify dranges in annual NEE and net statile to analyse and the datable of practicitions of funce in uncertain statiles and the statile target conducts and the statile target conducts and the datable. These models weight for statiles and the statiles in the LOBEs achieve to active to assess the across in the datable to all statiles datables of the target target and the statest target conducts and the statest target conducts and targets and the statest target conducts and target and the statest target conducts and target and the statest target conducts and targets an
contaborative Research: The East Siberian Arctic Shelf as a Source of	nshakhovi@iarc.uaf.edu	University of Alaska Fairbanks		USA		Natalia Shakhova			NESP) project
Atmospheric Methane: First Approach to Quantitative Assessment The Japan-Kamchatka-Alaska Subduction Processes (JKASP)*	pavel@gi.alaska.edu, gordeev@kscnet.ru, chebr@emsd.iks.ru,	USGS Volcano Hazards Program,	Institute of Volcanology and	USA-	Japan	John Eichelberger,			JKSAP is a broad, multidisciplinary consortium led by the University of Alaska Fairbanks (USA), Institute of Voicanology and Seismology (Russia), and Hokkaido University (Japan). The Kurile-Kamchatka-Aleutian
	hiroaki@mail.sci.hokudal.ac.jp mnakagawa@mail.sci.hokudal.ac.jp	University of Alaska, Fairbanks, University	Seismology, Kamchatkan Branch of Geophysical Survey, Hokkaido University, University of Alaska Fairbanks	Russia		Pavel Izbekov. Evgeny Gordeev, Victor Chebrov, Hiroaki Takahashi, Mitsuhiro Nakagawa	<u>n</u>		volcance are among the least understood in the workt "type the physical of an only and contribut, parts cancel indication and exploration part of the state of th
Shared Beringian Heritage Program	janis_kozlowski@nps.gov	National Park Service		USA		Janis Kozlowski			The U.S. National Park Service funds projects of scientific and community importance in the Beringia Region of western Alaska and Chukoka. The projects are typically local community-based, and relatively small in scope. A complete list of current projects is available at the program web site.
CRDF Global	soswaldiji erdfglobal. org	CRDF Global	numerous US and Russian	USA		Siri Oswald, Directo Research Partnerships	r,		CRUF Global is an independent supported organization that promotess international accientific and technical colluboration through parts, technical acciences, and training CRUF Global is local. In Aflangton, Virginia with offices in the Moscow, Rasait, Ky, Virginia, Wahn, Kakatana, and Amana, Alence IDE Global acciences and training CRUF Global is local acciences and training crue concerning of acciences and training crue concerning of acciences and training crue concerning of acciences and training crue flobal is local acciences and training access access and training access and training access access access and training access and training access access access access access and training access and training access
The Alaska Voicano Observatory	steve@gisels.alaska.edu	University of Alaska Fairbanks, Geophysical Institute, US Geological Survey		USA		Steve McNutt			Tanaktion for flow. Records. The Askata Vacious Description is operated by the U.S. Geospital Survey, the Geophysical Institute of the University of Askata Fastures, and the State of Askata Division of Geospital and Geophysical Surveys, In the Institutional offices, the Observationy interaction with the Astanciata Vacious Descriptional Institute of the University of Askata Particular University of Character Surveys, and In the Institutional offices, the Observationy interaction with the Astanciata Vacious Descriptional Institute of the University of Askata Particular University of Askata Division of Geospital and Geophysical Surveys, and Surveys, and Surve
The U.S. Fish and Wildlife Service	Steven_Kohl@fws.gov	Russia-East Asia Branch, Division of		USA	various	Steven Kohl			providing timely and accurate information on volcanic hazards, and warnings of impending dangerous activity, to local, state, and federal officials and the public. The U.S. Fish and Wildlife Service (USFWS) oversees transnational wildlife management and conservation issues, including migratory birds, marine mammals, salmon, wildlife refuges/nature reserves, and
		International Conservation, U.S. Fish and Wildlife Service			Russian agencies				ecosystem studies of the Bering and Chukohi Seas. Bilateral activities are carried out under the U.SRussia Environmental Agreement (1972; 1994); U.SRussia Migratory Bird Convention (1976); and U.SRussia Agreement on Conservation and Management of the Alaska-Chukotka Polar Bear Population (2000). There are regular exchanges of information and scientists, as well as periodic joint research cruises for wildlife
Stanford University	elmiller@pangea.stanford.edu	Stanford University		USA		Elizabeth Miller			Events have a standard associated and the set of the standard associated asso
The International Arctic Research Center (IARC)	Ibiozman@iarc uaf edu	University of Alaska Fairbanks		USA	lanan	Larry Hinzman			process or using annuare uninverse work in use russian Fat East motiogn LHOLF immorphiling investigations are FLAMINE, V. undown Miler, E.L., UHUP Collaboration Stanford University with INBISRI, Fat-East Branch National Academy of Sciences, Magadan: Age and compositions of magmas across Arctic Chukoka: Constraints on the evolution of the Alaska-Chukoka plate and opening of Amerasa Basin The International Arctic Benzenk Fater (IABC): Constraints on the International Arctic Chukoka: Chukoka plate and opening of Amerasawa Networket Beat Arctic The International Arctic Benzenk Fater (IABC): Constraints on the International Charles Chukoka: Chukoka plate and opening of Amerasawa Networket Beat Arctic
International Volcanological School	pavel@gi.alaska.edu, jeichelberger@usgs.gov	University of Alaska Fairbanks		USA		Pavel Izbekov, John Eichelberger			Several MPCArds projects include work in the Reast Arctic, including them underly MPS and under the REAST answerk. The Department of Departmen
Bilateral Cooperation on Black Carbon Emission in the Russian Arctic	http://www.epa.gov/ola/regions/surasia/russia.html - carbon	US Environmental Protection Agency		USA-	Russia				Fourse to cauge at come reundergraduate and graduate level by John Eicheberger of the Volcane Nazards Program, USGS, Pavel Edelov of UAF, as well as by guest scientists from Russia, the US, and Jagan. Students can form Arassia and Legan. Students can form Arassia and Legan and Arassia
Ardic Contaminants Action Program (ACAP)		US Environmental Protection Agency		USA					and public health challing as caused by black action in the Arctic. EPA works in the Runalan Arctic region through the Arctic Contaminants Action Program (ACAP), a program of the Arctic Council. As part of ACAP, EPA plays a badentity point in the Brack. Enable Stress Test (Brack Stress Test), and Stress Test (Brack Stress Test), and Stress Test).
National Plan of Action for the Protection of the Arctic Marine Environment		US Environmental Protection Agency		USA					exposer in an expansion was expansioned and the standard standar Standard standard stand
1	1	1	1		1	1		1	represent to sussia. The SAP approach by the sussian Maritime Board, established priorities for environmental protection in the Arctic and identified achievable environmental farcets.