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Working Group	Initative Title	Short Summary	Status	SAO Notes	AC Leads Deliverables 2019
Working Group	1.1 Reduction of Black Carbon from	Assess primary sources of black carbon in the Russian Arctic; develop a baseline emissions	Status	SAO Notes	AC Leads Deliverables 2015
ACAP	Diesel Sources in the Russian Arctic Project (SLCP EG)		Completed		USA
	1.3 Arctic Black Carbon Case Studies	Through this project, EPA will work with its partners in ACAP to present a catalogue of black carbon mitigation efforts – a set of standardized case studies or "snapshots" – to capture the		Twenty new case studies, from Canada and the US, have been added to the platform. They have been mapped in Arctic ERMA. Showcase case studies will be added to the ACAP Black Carbon Case	<u>.</u>
ACAP	Platform (SLCP EG)	variety of interventions and policy tools that can reduce black carbon emissions.	On track	Studies Platform web page shortly.	USA New cases studies
		This project aims to implement a range of alternatives for providing energy to off-grid settlements in this region with the objectives to; 1) contribute to mitigation of pollutants, including SLCPs such			
		as BC and other GHGs; 2) decrease the dependence of the Cluster settlements on transported		Work in five of the eight settlement is considered completed. Communication with the project	
		fossil fuels, 3) reduce the electricity/district heating costs for the municipality; 4) increase the reliability and quality of electricity/district heating supply and 5) strengthen the expertise of the		beneficiary (PSK) is ongoing regarding the remaining three settlements of Valday, Polga, and Reboly. Based on information from May 2018, it seems likely that PSK will not take investment	
ACAP	Karelia, Russian Federation (SLCP EG)	local institutions in the energy supply and project management. The Dyrnos Landfill project consists of two main components including final closure of the existing	Delayed	plans for theses remaining settlements forward.	USA Final Project Reports
		landfill and installation of a methane gas collection and utilization system and construction of a new sanitary plot at the existing landfill and completion of construction works and commissioning		The project was stalled because of institutional changes in the Komi Republic and the City of SyktyvkaRecently, however, NEFCO has resumed working on the development of this project with	
		of a new waste sorting facility. The project will take important steps towards reducing the adverse environmental and health		the regional partners, and commissioned the consultant Sweco to make a generic update of the Russian solid waste management system based on the introduction of the law on waste	
		impacts from the current waste management system. It will contribute towards achieving the		management with many new sub-laws, for instance on producers' responsibilities. Once the	
		compliance with the relevant Russian and EU environmental standards, and will be a key contribution to the final exclusion of the Barents Environmental "Hot Spot" Ko-6 (waste		study is received an updated feasibility study covering the landfill at Dyrnos and one or more alternative investment options for future solid waste treatment in the capital region of the Komi	
	_	-management in the Republic of Komi). The project is expected to demonstrate the improvement of municipal solid waste management towards integrated waste management systems in Russian		Republic will be developed. A modified project proposal for the Dyrnos landfill as well as for one o several investment options for solid waste management after the landfill's closure is expected by	r
ACAP	Russian Federation (SLCP EG)	cities. The project has two main objectives. The first is to phase out hydrochlorfluorocarbons and	On track	ACAP.	RUS
	1.6 Phase-out of ozone-depleting	hydrofluorocarbons at one of the fish and seafood processing enterprises of the Murmansk oblast. The second is to transfer ozone and climate-safe technologies to onshore fish and seafood			
	substances and flurinated	processing enterprises that use hydrochlorfluorocarbons and hydrofluorocarbons in refrigeration			
	seafood processing enterprises (SLCF	and air-conditioning equipment, enterprises engaged in repair and after-sales service of onboard refrigeration and air-conditioning equipment in the Murmansk oblast, and initiate their conversion			
ACAP	EG)	to environmentally safe refrigerants. The project will seek to identify, develop and apply pollution reduction approaches and	On track		RUS
		technologies to a selected pilot smelter, and monitor the approaches for baseline and progress determinations. The project awaits a signed letter of commitment to participate in the project			
ACAP	Mercury Reduction in the Russian Federation (POPS/mercury EG)	from the smelter facility owners.	Delaved		RUS;#USA
ricrii		This Workshop project is intended to disseminate results and encourage replication of successful	Delayea		103,1103,11
		mercury emissions reduction approaches, including the results from a US-led pilot project, conducted in cooperation with various Russian institutes, UNEP and Sweden, completed in 2014,			
		on carbon sorbent technologies* at a coal-fired power plant in Cherepetskaya, Russia. The project is designed to have a complementary function to a GEF- funded project, being implemented by			
		the Russian Federation and UNEP, comprising a mercury emission inventory and the drafting of a Minamata Action Plan. In addition to coal combustion, the workshop would address other key			
		sectors for emissions reductions including non-ferrous metals smelting and gold mining. The			
		Project Steering Group on Mercury developed a proposal for a project focusing on disseminating and replicating results.			
ACAP	• • • • • • • • • • • • • • • • • • • •	* (Standard activated carbon and bromated carbon injection; the project also investigated the stability of sorbent-containing fly ash residues and the leaching potential of metals.)	On Hold		RUS;#USA
	2.3 Phase III Reduction/Elimination of Emissions of Dioxins and Furans in				
ACAP	Russia with a focus on Northern regions (POPS/mercury EG)	Project to reduce dioxins and dust emission and training program for the Vorkutinskiy cement plant	To be archived		SWE
	5 (Based on the results from inventory activities in Phase I (2002-2005) and Phase II (2006-2008), the Vorkutinskiy Cement Plant (VCP) was selected for a Phase III Pilot Action Project for reduction of			
		dioxins and furans emissions. In close cooperation with NEFCO, the EG so far conducted the			
		following activities at the facility: 1: Prefeasibility study bt NEFCO (2011-2013), 2: Seminar on environmental requirements on using			
		waste as fuel (2014); 3: Sample and Analysis of Emissions (2014-2016), 4: Feasibility Study and Drafting of an Action Plan for Reduction Actions at VCP (2014-2016),			
	2.4 Pilot emission reduction actions	If deemed feasible and fundable, the following activities are supposed to follow from 2016:			
ACAP	at Vorkutinskiy Cement Plant (POPS/mercury EG)	5: Implementation of Reduction Actions, 6: Assessment of Reduction, 7: Dissemination of experiences.	On Hold		SWE
	2.5 P2345 - Inventory programs, control technologies and other				
	support to Russia's compliance with international convention	This project is currently being further developed by the EG POPs/HG. Two of the work packages (P3: Source Inventory and P4; Control Technologies) are being developed into new project			
ACAP	requirements (POPS/mercury EG)		On track	No project proposals have been submitted to ACAP for approval under work packages P3 and P4.	RUS;#SWE
		The project will aim to demonstrate whether Russian super-critical water oxidation facility (SCWO)			
		based on the SCHO-10-EET technology located in Krasnoyarsk, Russian Federation, will provide a domestic capability for cost effective, environmentally sound destruction of obsolete pesticides			
	3.1 Use of Super Critical Water Oxidation (SCWO) for	and specifically POPs pesticides. The technology demonstration also has a broader national and global objective of contributing to Russia's ability to achieve compliance under Article 6 of the			
	· ·	Stockholm Convention. This is also consistent with the global objectives of the Arctic Council and ACAP in respect to reduction in Arctic contamination. Project completion is contingent on PSI		Implementation of SCWO testing (phase 2) and selection of supervisory consultant have been	
ACAP	Waste EG)	funding. PSI approved 450 000 Euros for Stage 2: testing of the process on 10/10/2017	Delayed	delayed.	FIN;#RUS
	•	PCB Project addresses mitigation of the PCB problem in RF. The aim is to destroy 250 tons of PCB via two sub-projects: 1. Emptying and cleaning contaminated PCB containing transformers; 2.			
		Destruction of PCB. The method can also be used to destroy other hazardous pollutants e.g. certain types of pesticides. This project is part of a larger GEF/UNIDO/Russian Railways Project,			
ACAP	Waste EG)	which is due to end in 2019.	Delayed		FIN;#RUS
	3.3 Demonstration of Rapid	The project will demonstrate a cost-effective and rapid technique to screen levels and scope of contamination at old pesticide storage sites using a methodology that the Blacksmith Institute			
	Environmental Assessment of	developed for the UN Food and Agriculture Organization (FAO). The method can help to assess		West and the state of the state	
ACAP	Pesticides Contaminated Sites (Hazardous Waste EG)	the environmental and health risks caused by hundreds of old pesticides storages in Northern Russia. The project closely follows on Russian implementation of Stockholm Convention on POPs.	Delayed	Work continues to identify a Russian main consultant for the project.	FIN;#NOR;#SWE
		The Arctic Council will expand the coverage of an existing Alaska-based monitoring tool, the Local			
		Environmental Observer network (LEO) that links traditional knowledge and scientific analysis, across the Arctic. Trained traditional knowledge experts are able to record their observations in			
		the LEO database. These observations are reviewed by the Alaska Native Tribal Health Consortium			
		(ANTHC), which serves as a secretariat. ANTHC is able to share observations of concern with regulators, academics and others who can in turn provide technical assistance to local			
		communities when needed. During Phase I of the project, ACAP will create a North American CLEO "Hub", including indigenous communities in the Alaskan and Canadian Arctic for delivery to			
		the 2017 Ministerial. In addition, we will explore the development of a framework for expansion of the CLEO to the Nordic region. Phase II of the project is to establish a CLEO Hub in the Nordic			
	A 1 Circumnolor Local English	region, as appropriate and explore options for linking with Russian indigenous communities. Phase			
ACAP	•	, , , , , , , , , , , , , , , , , , , ,	On track	Work is ongoing. Recent workshop was help on the margins of the Arctic Biodiversity Congress.	CAN;#USA
		This project, which is a collaboration of the AIA, Arctic Alliance, Alaska Native Science Commission, University of Alaska-Anchorage, and the University of Alaska-Fairbanks, with support			
		from the Swedish Environmental Protection Agency, will: assess, on a pilot basis, local sources of black carbon emissions from a representative sampling of Arctic Alaskan and Russian villages;			
		provide a broad characterization of associated risks to public health; explore short and long-term mitigation options; assess and, where possible, strengthen local capacities to identify, mitigate		The project is under implementation in 2 villages in Alaska and one in Russia. The desk top study is planned to be ready by the end of 2018. Key activities are structured under the themes of	
	· ·	and prevent black carbon pollution; draft a framework tool for community-based assessments of		community outreach, public health, and air quality. Planned activities in Alaska have gone well. In	
ACAP	and public health assessment (IPCAP)	black carbon emissions and health risks; and educate local communities about black carbon emissions and risks.	On track	Russia, identification of indigenous communities is ongoing. Key outputs will include a community BC survey template. Further PSI funding is being considered pending results of current activities.	
				AACA has collected and assessed a wealth of information for end-user to adapt to Arctic change. The Arctic is highly dynamic and interdepended changes from climate, globalization, economics,	
	01. Adaptation Actions for a	Pilot project on adaptation to Arctic change. TLK is used throughout the project with project		demography and politics from local to international level. Climate is far from the only driver of Arctic change.	CAN;#FIN;#KOD;# NOR;#RUS;#SWE;
AMAP	Changing Arctic	participation from PP representatives.	On track		#USA None
AMAP	02. Air Pollution, including SLCFs	Integrated assessment of air pollution with focus on SLCPs	On track		CAN;#FIN;#NOR;# USA Technical/progress report (final delivery 2021)
		Further develop AMAP initiative on human health, particularly biomonitoring and cohort studies			
	03. Human Health and combined	and health effects of contaminants. HHAG will update a dietary exposure assessment related to POPs and Hg, especially in areas where dietary transitions are occurring, and begin development			
AMAP		of a strategy to support circumpolar monitoring of zoonotic pathogens and contaminants. Continue work on safety guidelines and demonstrate the use of cross-jurisdictional environmental	On track		CAN;#KOD
AMAP	(UAS)		On track		NOR;#USA
AMAP	05. Contaminant issues: Radioactivity	Continuing review of the radioactivity status of the Arctic.	On track		NOR;#RUS
		AMAP's POPs and mercury expert groups will produce an update assessment components as follows:			
		2017/18: Outreach on assessments on Chemicals of Emerging Arctic Concern;			
		2017/18: Update assessment on Biological Effects of POPs and Mercury and related outreach			
		2018/19: Update assessment on Climate Change Impacts on POP			
AMAP	06. Contaminant issues: POPs and		On track	Planned presentation of biological effects update assessmetn at Arctic Biodiversity Congress	CAN;#SWE;#KOD Possible Summary for Policymakers
A VIAILAI.	07. Sustaining Arctic Observing	Lozo, 10. opunic or 2011 incremy assessificial	On track	a.med presentation of biological effects apadic assessifieth at Artlic biodiversity congress	S. A. T. J. S. T. C. SUITH HOLY TOLL PULLCY HICKELS
AMAP	Networks (SAON) Project: Coordination of metadatabases	Coordinate databases on Arctic observational assets metadata	On track		NOR;#USA
		AMAP is conceived as a process integrating both monitoring and assessment activities, in order to: produce integrated assessment reports on the pollution and climate status and trends of the			CAN;#FIN;#ICE;#K OD;#NOR;#RUS;#
		conditions of Arctic ecosystems; identify possible causes for changing condition detect emerging problems, their possible causes, and the potential risk to Arctic ecosystems including indigenous			SWE;#USA;#AAC; #AIA;#GCI;#ICC;#
A.B. 4.A. D.	08. AMAP Trends and Effects	peoples and other Arctic residents; recommend actions required to reduce risks to Arctic	0-1		RAIPON;#Saami
AMAP	Programme	Prepare a report with a focus on the socioeconomic impacts of Arctic Ocean acidification, like	On track		Council
AMAP	09. Arctic Ocean Acidification	fisheries. Follow up to the AMAP 2013 AOA report.	On track		NOR;#USA Summary for Policymakers

		Building on 2017 assessment on Snow, Water, Ice and Permafrost in the Arctic (SWIPA), the work				
AMAP		will synthesize new information, address teleconnections and contribute to IPCC reports on the 1.5 degree Paris goal and climate, oceans and cryosphere and AR6. Develop materials for outreach and potentially also education.	On track		KOD	
	11. International Conference on Arctic Science: Bringing Knowledge					
AMAP	to Action - April 24-27, 2017 Reston Virginia, USA	 Arrangement of an international conference to showcase results of recent AMAP (and other WGs) scientific assessment work The CBMP is a flagship program of the CAFF working group and an ongoing monitoring program 	Completed		USA	None
		that has received international recognition The CRMB is the highly excits component of the Sustaining Arctic Observing Naturals (SACM) and				
		- The CBMP is the biodiversity component of the Sustaining Arctic Observing Network (SAON) and is the official Arctic biodiversity network of the Global Earth Observation's Biodiversity Observation Network (GEOBON).				
		- CBMP activities are structured around the major Arctic ecosystem: marine, freshwater, terrestrial and coastal.				
		- The plans help improve ability to detect important trends, link these trends to their underlying				
		causes, predict future trends and scenarios for Arctic biodiversity, and thereby provide more timely and credible information to support decision making.				
	01. Circumpolar Biodiversity Monitoring Program (CBMP) -	- The CBMP endeavours to include TK holder expertise from the inception of projects to the analysis of information gained. It also seeks to include a diverse network of experts with both				
CAFF	General	science and TK expertise. - The Arctic Marine Biodiversity Monitoring Plan was delivered in 2011 and is the first of four pan-Arctic biodiveristy monitoring plans developed by the CBMP to improve the ability to detect and	On track		USA;#KOD	See other CBMP components for deliverables.
		understand the causes of long-term change in the composition, structure and function of Arctic ecosystems. Since the delivery of the Marine Plan further work is underway to continue to assess				
		 the state of the ecosystem and national implementation. The CBMP endeavours to include TK holder expertise from the inception of projects to the 				
CAFF	01.1 CBMP Marine Biodiversity Monitoring group	·	On track		USA;#CAN	To be determined
		•The Arctic Freshwater Biodiversity Monitoring Plan is one of four pan-Arctic biodiversity monitoring plans developed by the CBMP to improve the ability to detect and understand the causes of long-term change in the composition, structure and function of Arctic ecosystems. Since				
		the delivery of the freshwater plan further work is underway to continue to assess the state of the ecosystem and national implementation.				
	01.2 CBMP Freshwater Biodiversity	• The CBMP endeavours to include TK holder expertise from the inception of projects to the analysis of information gained. It also seeks to include a diverse network of experts with both				State of the Arctic Freshwater Biodiversity Report
CAFF	Monitoring group	 science and TK expertise. The Arctic Terrestrial Biodiversity Monitoring Plan is one of four pan-Arctic biodiversity monitoring plans developed by the CBMP to improve the ability to detect and understand the 	On track		CAN;#SWE	(SAFBR)
		causes of long-term change in the composition, structure and function of Arctic ecosystems. Since the delivery of the terrestrial plan further work is underway to continue to assess the state of the				
		 ecosystem and national implementation. The CBMP endeavours to include TK holder expertise from the inception of projects to the 				
CAFF	01.3 CBMP Terrestrial Biodiversity Monitoring group	analysis of information gained. It also seeks to include a diverse network of experts with both science and TK expertise.	On track		ICE;#SWE	State of the Arctic Terrestrial Biodiversity Report (START)
		•The Arctic Coastal Biodiversity Monitoring Plan is the final of four pan-Arctic biodiversity monitoring plans being developed by the CBMP to improve the ability to detect and understand				
		the causes of long-term change in the composition, structure and function of Arctic ecosystems.				
CAFF	01.4 CBMP Coastal Biodiversity Monitoring Plan	 The CBMP endeavors to include TK holder expertise from the inception of projects to the analysis of information gained. It also seeks to include a diverse network of experts with both science and TK expertise. 	On track		CAN;#USA	Arctic Coastal Biodiversity Monitoring Plan
		• The CBMP has chosen a suite of indices and indicators that provide a comprehensive picture of the state of Arctic biodiversity – from species to habitats to ecosystem processes to ecological			,	, memoring man
		 services. These are being developed through expert consultation processes. The CBMP endeavors to include TK holder expertise from the inception of projects to the 				
CAFF	01.5 CBMP Indicators	analysis of information gained. It also seeks to include a diverse network of experts with both science and TK expertise.	On track			
		Project at risk/delayed because release of Global Environment Fund (GEF) funding remains stalled				
		• Purpose of this project is to strengthen the sustainability of the pastoralist livelihoods; and to				
	02. Nomadic herders: enhancing	increase the resilience and capacity of the nomadic communities to adapt to change.			RIIS:#Saami	
CAFF	02. Nomadic herders: enhancing resilience of pastoral ecosystems and livelihoods	increase the resilience and capacity of the nomadic communities to adapt to change.	Awaiting Info		RUS;#Saami Council	
CAFF	resilience of pastoral ecosystems	 increase the resilience and capacity of the nomadic communities to adapt to change. The project engages TK holders and their information. CAFF in partnership with the Ministry of the Environment, Finland, is organizing the Arctic	Awaiting Info		· ·	
CAFF	resilience of pastoral ecosystems	 The project engages TK holders and their information. CAFF in partnership with the Ministry of the Environment, Finland, is organizing the Arctic Biodiversity Congress, 2018 to promote the conservation and sustainable use of Arctic biodiversity. The Congress is relevant to all who wish to make specific and significant contributions to the conservation of Arctic biodiversity through dialogue among scientists, Indigenous peoples, 			· ·	
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		• The Seabird program promotes, facilitates, and coordinates conservation, management and research activities among circumpolar countries and improves communication between seabird				
		scientists and managers inside and outside the Arctic. • Key activities include work to monitor and assess seabirds (e.g., survival, diets, phenology, and				
CAFF	08. Seabird program	information on the status of seabirds to management agencies in Arctic States.	On track		FIN	To be determined
		•The CAFF Flora Group (CFG) promotes, encourages and coordinates the international conservation of Arctic flora, vegetation, and habitats as well as research activities. It works to enhance the exchange of information on Arctic flora and vegetation and factors affecting the status and trends in Arctic flora species.				
		• A key activity led by the US is the Circumboreal Vegetation Map (CBVM) will develop a global map of the circumboreal forest biome with a common legend. By recognizing the boreal region as				
CAFF	09. Arctic Flora program	a single geo-ecosystem with a common set of cultural, political and economic issues, the CBVM project will be the first detailed vegetation map of the entire global biome.	Awaiting Info			To be determined
	10. Conservation of biodiversity in a	Assessment activity				
CAFF	changing Russian Arctic 11. Arctic Biodiversity Data Service	*awaiting Global Environment Facility Decision • Develop an online mechanism to house, collect, display and search for Arctic biodiversity related	Delayed		RUS	To be determined
CAFF	(CAFF)		On track			Progress report Progress report with specific deliverables to be
CAFF	12. Capacity Building	the Arctic (10- 11 years old) about key Arctic ecosystems and processes. The purpose of this project is to implement the following recommendation from the Arctic	On track			determined
		Biodiversity Assessment: "Mainstreaming biodiversity 4. Require the incorporation of biodiversity objectives and provisions into all Arctic Council work and encourage the same for on-going and future international standards, agreements, plans, operations and/ or other tools specific to development in the Arctic."				
		 Implementation of this recommendation requires establishing a clear framework that defines and develops: biodiversity objectives and provisions (also referred to here as biodiversity principles) in the 				
		 Arctic context; Practical approaches and tools for incorporating biodiversity principles into Arctic Council work 				
		 and for broader application as outlined in ABA Recommendation #4. A mainstreaming case study to consider the incorporation of biodiversity provisions into the 				
		work of a select industry • TEEB Study (Completed): A scoping study on ecosystem services and the application of a TEEB				
CAFF	13. Mainstreaming	Project start delayed due to challenges in securing funding required. The Salmon Peoples of Arctic	On track		SWE	Industry specific best management practices
		Rivers (SPAR) will bring together TK holders, scientists and resource agencies to design an assessment of freshwater river systems based on TK. The design of this holistic assessment will				
		focus on "Salmon peoples" as a measure of ecosystem health, and outline future data needs that could contribute to the resilience and adaptation of these peoples and the salmon populations			AAC;#AIA;#GCI;#I CC;#RAIPON;#Saa	
CAFF	14. Salmon peoples of Arctic rivers	upon which they depend.	On track		mi Council	
CAFF	15. Traditional Knowledge and CAFF	This progress report provides a brief progress report on how TK is being approached within CAFF. The focus of this project is to elaborate best practices, recommendations and key elements of the			USA	Progress report
EPPR	01. Arctic Rescue	emergency risk assessment system and the system for improving safety of potentially hazardous facilities.	On track		RUS	
	02. Development of Safety Systems in Implementation of Economic and	Improvement of industrial and environmental safety related to economic and infrastructural projects (primarily development of hydrocarbons on the Arctic continental shelf and				
EPPR	Infrastructure Projects 08. Maintain and update the	hydrocarbons transportation)	On track	The Operational Guidelines were updated based on the MOSPA 2018 Exercise organized under the	NOR;#RUS	
	operational guidelines attached to the Agreement on Cooperation on			leadership of the Finnish Chairmanship. The Parties to the MOPSA have been informed of updates to forms and contact information. The MER EG is now developing exercise planning		
EPPR	Marine Oil Pollution Preparedness and Response	Maintain and update the operational guidelines as required	On track	guidance to facilitate future planning of exercises. This is expected to be approved by EPPR in December 2018.	CAN;#USA	MOSPA 2018 After Action Report
	09. Coordination and practical implementation of the SAR	In March 2015, SAOs expanded EPPR's mandate to include search and resuce (SAR) including followup to the SAR Agreement. In June 2017, EPPR approved the mandate of the SAR Expert			,	·
EPPR	agreement (SAR Expert Group)		On track		FIN;#NOR	
	12. Prevention, Preparedness and	data from the survey tool, a database of survey responses, and a resource guide in the form of a short brochure to share with small communities. The second phase of the project was approved.			CAN;#KOD;#NOR;	:
EPPR	Response for small communities	A series of short videos to communicate the results of Phase I is under production. The project created a stand-alone, searchable database of major response assets in the Arctic. In	On track		#USA;#AIA	Awareness videos.
		June 2017, EPPR discussed next steps and agreed: to assess the database for use in country contingency planning and emergency response purposes, to use the database during future				
	14. Development of a Database of	MOSPA exercises to test viability in requests for assistance, that the MER EG and SAR EG work together to explore options towards updating the database, including the possibility of migrating				
EPPR	Arctic Response Assets		On track		USA	
		(Full title: EPPR Cross Country Cooperation Network to Improve Emergency Prevention, Response and the Safety of Rescue Workers in Case of a Maritime Accident Involving a Potential Release of				
		Radioactive Substances in the Arctic ARCSAFE is a radiological project promoting cross-border prevention, preparedness and handling		The project group has discussed the possibility of a future Arctic agreement on maritime radiological/nuclear cooperation. There was general agreement at EPPR that this was a good idea,	,	
EPPR	15. ARCSAFE	of maritime incidents or accidents which may involve a potential release of radioactive substances. Beneficiaries of project work include Arctic states' national eppr-agencies.	On track	but delegations had differing views on what an agreement may contain. A cautious, step-wise approach was noted as the best way forward.	KOD;#NOR;#RUS; #SWE;#USA	
		The COSRVA was approved by Ministers in Fairbanks and has the goal of providing more science-				
	16. Conditions on Oil Spill	based decision-making in Arctic oil spill response contingency planning. An additional benefit of the study is the identification of components or methods used in response countermeasures that				
EPPR	Circumpolar Response Viability Analysis	could be optimized through additional research and development. A follow-up workshop on risk assessment is being held in Ålesund at the end of October to explore next steps.	Completed		KOD;#NOR;#USA	
	17. Follow-up on the Framework	At the SAO meeting in Anchorage (October 2015), it was agreed that EPPR has the lead on prevention, with PAME as co-lead. The report and matrix are regularly circulated to States, PPs,				2019 Report on the Status of Implementation of
EPPR	Plan on Oil Pollution Prevention	Working Groups, and other relevant bodies.	On track		CAN;#NOR	the FPOPP
	18. International Standards for Petroleum, Offshore Oil and	The purpose of the work is to describe how necessary engineering and technical standards are identified, developed, established and maintained. Further to describe the work done by various international trade groups and standards organizations who participate in the various phases of the work. The final report will be a useful knowledge base for improved understanding on the development and maintenance of standards in the Arctic to prevent potential accidents with				
EPPR	Maritime Industries	subsequent oil pollution from offshore petroleum and maritime activities. The United States agreed to submit a project proposal to develop education tools to facilitate the	Completed		NOR	
EPPR	19. Update of Field Guide for Oil Spill Response in Arctic Waters	I use of the Field Guide in small communities, for intersessional approval. There are strong links to the EPPR Small Communities project that will be taken into consideration.	Completed		USA	
· ·	waters		- Inpicted			
		Continue to monitor and identify opportunities to engage with international organizations (IMO, ISO, IALA, WMO etc) to advance implementation of AMSA recommendations.				
		PAME in cooperation with the IMO and World Maritime University (WMU) convened an International Conference on Safe and Sustainable Shipping in a Changing Arctic Environment (ShipArc 2015) 25-28 August 2015 in Malmö, Sweden.				
		Additions to be made following PAME II-2016.				
		PAME I-2017:				
		 A representative from the Federal Maritime and Hydrographic Agency of Germany presented on behalf of the WMO-IOC Joint Technical Commission for Oceanography and Marine Meteorology (JCOMM) Expert Team on Sea Ice (ETSI) on ETSI's Arctic-related activities at PAME I-2017. A representative from the Danish Shipowners' Association presented on their priorities with respect to Arctic shipping operations at PAME I-2017. 				
		 - A representative from the Danish Ministry of Defence presented on the assessment report regarding "Marine Environmental Risk – Concerning Waters In And Adjacent To Greenland And The Arctic," at PAME I-2017. - A representative from Italy made a presentation on their Arctic interest, in particular with respect to shipping activities, at PAME I-2017. 				
		 - A representative from the Danish Maritime Authority presented on the ArcticWeb project to the Shipping Expert Group at PAME I-2017. - A representative from OSPAR presented on their Offshore Industry Committee and 				
		Environmental Impacts of Human Activities Committee work at PAME I-2017. PAME noted the synergies between OSPAR and PAME on issues concerning offshore oil and gas, offshore renewable energy, and marine noise, and encouraged the exploration of possible future cooperation. as appropriate.				

	01. Arctic Marine Shipping Assessment I (A) (AMSA) – Linking	PAME II-2017: - A representative from the International Council on Clean Transportation (ICCT) made a presentation at PAME II-2017 relating to the use and carriage of HFO by ships in the Arctic as it pertains to the HFO projects in PAME's 2017-2019 Work Plan. - A representative from the Finnish Maritime Environment Tri-authority Operations (METO) made a presentation at PAME II-2017 regarding the Finnish METO maritime cooperation on the maritime surveillance systems, communication means and risk analyses methods to produce a common maritime situational awareness in a cost effective way. - A representative from the Finnish Shipowners' Association made a presentation at PAME II-2017 on Arctic shipping. - A representative from Germany made a presentation on their Arctic interests at PAME II-2017 PAME I-2018: PAME I-2018: PAME had presentations from: - Chair of the International Working Group of the Comité Maritime International - Executive Director of the St. Lawrence Shipoperators - Director of Expedition Operations, EYOS Expeditions - A representative from the scientific steering committee of the International Quiet Ocean Experiment (IQOE) Working Group on Arctic Acoustic Environments on anthropogenic underwater noise in the Arctic and its impact on living marine resources. PAME II-2018 PAME II-2018 PAME Has approved to develop a non-binding Memorandum of Understanding (MoU) with the Arctic Regional Hydrographic Commission (ARHC) subject to concurrence by the SAOs. PAME notes that the ARHC, at its 8th Conference in September 2018 (Svalbard, Norway) expressed its desire to develop such an MOU with PAME.				
PAME	with International Organizations		On track	USA	4	
		newly adopted International Code for Ships Operating in Polar Waters (Polar Code) by the International Maritime Organization (IMO). The aim of the Forum is to raise awareness of its provisions amongst all those involved in or potentially affected by Arctic marine operations and to facilitate the exchange of information and best practices between the Forum members on specific shipping topics, including but not limited to; hydrography, search and rescue logistics, industry guidelines and ship equipment, systems and structure. A publicly accessible web-portal will be created with information specific to each topic.				
		PAME II-2017: PAME approved the Arctic Shipping Best Practice Information Forum's Terms of Reference (ToR) as amended at this meeting and invites comments by 15 November from PAME members on the Forum's draft Methods of Operations, Communications and Outreach Strategy, and Eligibility Criteria for Information to be Posted to the Web Portal. PAME I-2018: PAME approves the Arctic Shipping Best Practice Information Forum's Methods of Operations and Eligibility Criteria for Information to be posted to the Web Portal. In addition, PAME invites Forum participants to submit information relevant to the implementation of the Polar Code for posting to the Forum's web portal as soon as possible to facilitate the proposed launch of that web portal in May 2018. PAME notes that the next Forum meeting is scheduled in conjunction with the 99th Session of the IMO Maritime Safety Committee (MSC) meeting, 14-15 May 2018.				
	02. Arctic Shipping Best Practice	PAME II-2018 PAME has launched the Forum's web-portal (www.arcticshippingforum.is). It plans to convene the				Arctic Shipping Best Practice Information Forum status report, and the Forum's Web-portal -
PAME	Information Forum	third meeting in 2019. HFO Phase IV (a) — Collect and Report on Information on use of Heavy Fuel Oil (HFO) in the Arctic - PAME invites its members to submit any information they may have by 15 December for the most recent three year period on the number, types, and routes of ships in the Arctic that used HFO as fuel (including quality or grade) or transported as cargo, including if available the volume of HFO carried as bunker fuel and/or cargo as well as the destination of HFO transported as cargo. HFO Phase IV (b) — Collect, Report and/or Review Information about On-Shore use by Indigenous Peoples and Local Communities of HFO — PAME approves the project plan outline and key elements contained in the paper submitted to PAME II-2017 and looks forward to SDWG's decision to partner on the project. PAME requests that States and PPs identify a point of contact for this project by 15 October. PAME invites its members to submit any information they may have by 15 December relevant to this project. HFO Phase IV (c) — Prepare an IMO Information Paper Summarizing PAME's Work on HFO — PAME invites its members to comment on Canada's draft IMO information paper to the MEPC 72, by 1 November, ensuring coordination with each State's IMO delegation. Canada will circulate a revised version by 15 November requesting co-sponsorship by Arctic States and Observer States with the objective of submitting a final information paper by IMO's deadline of 2 February. HFO Phase IV (d) — Explore the Environmental, Economic, Technical and Practical Aspects of the use by Ships in the Arctic of Alternative Fuels — PAME invites the consultant retained by Norway to provide a presentation on this project at PAME I-2018. Finland/Russia will report to PAME I-2018 on any decisions by the Paris MOU and the Tokyo MoU to pursue a Polar Code Concentrated Inspection Campaign (CiC). Depending on this report, PAME I-2018 will discuss how and whether to develop a plan for cooperating with or using information resulting from any Polar Code CiC.		The Forum launched it's web-portal in May 2018 - www.arcticshippingforum.is CAN	N;#FIN;#USA	arcticshippingforum.is
	03. AMSA I(B) – IMO Measures for	PAME welcomes the International Conference on Harmonized Implementation on the Polar Code to be arranged by Finland in Helsinki on 22nd of February, 2018. PAME I-2018: HFO Phase IV (b) — Collect, Report and/or Review Information about On-Shore use by Indigenous Peoples and Local Communities of HFO — PAME approves the draft field survey developed by the USA/AIA/CCU and invites its translation and distribution as soon as practicable via the Permanent Participant's to indigenous and local communities after approval by SDWG. PAME advises that a layperson definition of HFO be appended to the survey. The project co-leads anticipate compiling and synthesizing the responses in a draft report to be submitted to PAME II-2018 and the second SDWG meeting of 2018. HFO Phase IV (d) — Explore the Environmental, Economic, Technical and Practical Aspects of the use by Ships in the Arctic of Alternative Fuels — PAME thanks the consultants retained by Norway for their presentation on the environmental, economic, technical and practical aspects of the use by ships in the Arctic of alternative fuels and agree to report on status at PAME II-2018. PAME invites ACAP, AMAP and the Expert Group on Black Carbon and Methane to submit to PAME a summary of their work related to black carbon, especially as it pertains to shipping. PAME provisionally approves the Polar Code information brochure prepared by Finland and the Russian Federation and requests that PAME members submit any final comments they may have by 15 March 2018. The co-leads are requested to revise the brochure by 30 March 2018 and circulate it to member governments for final intercessional approval by 6 April 2018. PAME invites Finland and the Russian Federation to further develop the project proposal on the Harmonized Implementation of the Polar Code.		PAME II-2017 approved the phase I of the revised Finland/Russia project proposal on harmonized		HFO information papers. Harmonised
PAME	Arctic Shipping				;#RUS	Implementation of the Polar Code: Phase I Report.
PAME	03. AMSA I(C) - Uniformity of Arctic Shipping Governance		On track	New project on Safe and Low Impact Shipping Corridors in progress. CAN	N;#ICE;#AIA	Safe and Low Impact Shipping Corridor: Project report.
	04. AMSA I(D) – Strengthen Passenger Ship Safety in Arctic	identifying potential specific Arctic Marine Tourism Project (AMTP) follow-up activities." A representative from EYOS Expeditions will be invited to make a presentation at PAME I-2018 on safe and environmentally sound navigation in the Arctic of non-commercial yachts and pleasure				
PAME	Waters	In 2013 the AIA began work on the first phase of a three phase project on building an Arctic marine subsistence use mapping tool which will allow communities to produce scientifically		Continued communication on passenger ship safety in the Arctic. CAN	N;#NOR;#USA	
PAME	05. AMSA II(A) – Survey of Arctic Indigenous Marine Use	Convention on Biodiversity, invited AMAP and CAFF to denote areas within the high seas area of		Refer to AIA. AIA		Refer to AIA.
		the Central Arctic Ocean that are particularly vulnerable to shipping. Once that information is received from AMAP and CAFF, PAME will further explore possible international protection measures that could be pursued by Arctic States, individually or collectively, at the IMO. - Development of Arctic Regional Reception Facilities Plan (RRFP) as a long-term solution to help				

		meet the challenges posed by the expected increases in Arctic shipping activities. The aim is to allow for the environmentally sound management of ship waste and ensure that ships can comply			
		with MARPOL requirements for the proper disposal of ship generated waste. This project does not attempt to circumvent or supplant any work by the IMO or other international body with			
		recognized competence, and is in keeping with established principles and existing IMO/MARPOL guidance. It will complement work being undertaken by IMO. Continued work of the Regional Reception Facilities (RRF) Expert Group (EG) in consideration and input into the ongoing work of			
		the RRF-EG is encouraged from all Arctic States, Permanent Participants and Observers. A final paper will be submitted to IMO in January 2018.			
		- The ICES/PAME Working Group on Integrated Ecosystem Assessment for the Central Arctic Ocean (WGICA) will have as one of the items of work to consider vulnerability of the ecosystem of			
		the Central Arctic Ocean in relation to climate change and Arctic shipping, and welcomes progress report on that work at future meetings.			
		PAME I-2018: PAME invites member government IMO contact points to continue to work intersessionally to follow up on MEPC 72/16 Regional Reception Facilities Plan (RRFP) – Outline and Planning Guide			
		for the Arctic. PAME invites Observers that are members of or have consultative status in the IMO to consider document MEPC 72/16 and voice their support as appropriate. PAME invites Arctic			
		States to review and update the IMO's GISIS Database with respect to information on their Arctic port reception facilities.			
		PAME II-2018 Follow-up to the RRFP is ongoing. The Member States are to provide confirmation of co-			
PAME	06. AMSA II(D) – Specially Designate Arctic Marine Areas		On track	Member States plan co-sponsorship of a joint submission on Regional Reception Facilities Plan at MEPC 74.	RUS;#USA
				PAME has invited one or more Arctic States to volunteer to lead/co-lead a project related to ballast water and/or bio-fouling to advance implementation of the Arctic Invasive Alien Species	
				Strategy and Action Plan (ARIAS) Strategy and Action Plan. Invasive Alien Species will become a standalone agenda item in future meetings, acknowledging	
		The Arctic Invasive Alien Species (ARIAS) Strategy and Action Plan, produced by CAFF and the Protection of the Arctic Marine Environment (PAME) was delivered to the May 2017 Arctic Council		that its pertinence to the marine environment has expanded beyond shipping. A Coastal Monitoring of Arctic Invasive Alien Species draft report has been produced. It will be	
		Ministerial. It sets forth the priority actions that the Arctic Council and its partners are encouraged to take to protect the Arctic region from a significant threat: the adverse impacts of invasive alien species. These priority actions span terrestrial, aquatic, and marine ecosystems.		reviewed by CAFF and PAME in the Spring of 2018.	
		To ensure effective use of resources and avoid duplication of efforts, PAME is working with CAFF		PAME has agreed to CAFF's proposal to form a Joint Coordination Group to guide implementation of ARIAS and provide recommendations to the CAFF and PAME Working Groups regarding	
PAME	07. AMSA II(E) - Protection from Invasive Species	on the marine invasive alien species components as a contribution to the development of the ARIAS Implementation Plan.	On track	potential implementation actions and progress on activities, and will submit a name for PAME representative to co-chair the Joint Coordination Group by March 8th 2018.	CAN;#FIN;#ICE;#N Coastal Monitoring of Arctic Marine Invasive Alien OR;#RUS;#SWE;# Species Report. ARIAS Implementation Plan and USA;#KOD status report.
PAME	OO ANGA II/F) Oil Smill Drayantian	Contribute to the TEODS implementation matrix of it relates to DAME's work	Completed		CAN;#FIN;#ICE;#N OR;#RUS;#SWE;# USA;#KOD
FAIVIE	08. AMSA II(F) - Oil Spill Prevention	Contribute to the TFOPP implementation matrix as it relates to PAME's work. PAME I-2018: PAME has approved the Canada/WWF proposal: Underwater Noise in the Arctic State of	Completed		03A,#NOD
		Knowledge Report. PAME welcomes OSPAR's offer to co-lead the project and invites PAME members to identify project points of contact by 15 March 2018. PAME also invites the project co-leads to identify and recommend next steps in the final report. REDEG expressed interest in			
		contributing to the project.		Canada will co-lead with WWF on the development of the State of the Knowledge report on underwater noise.	
PAME	09. AMSA II(G) – Address impacts or Marine Mammals	PAME II-2018 A final draft will be submitted to PAME I-2019.	On track	A representative of the International Quiet Ocean Experiment Working Group on Arctic Acoustic Environments will be invited to make a presentation at PAME I -2018 on anthropogenic underwater noise in the Arctic and its impact on living marine resources.	State of knowledge report on underwater noise in CAN the Arctic.
FAIVIL	ivialilie ivialililiais	PAMEs Shipping Expert Group (SEG) continues to receive updates on IMO's work with respect to black carbon and explore how best it could use information it compiles on emissions (especially	Officiack	under water floise in the Arctic and its impact on living marine resources.	CAN THE AICUC.
PAME	10. AMSA II(H) – Reduce Air Emissions	black carbon) from ships in the Arctic and their effects on the marine environment. PAME continues to invite Arctic stakeholders to augment the consolidated bibliography of ship air emission publications posted to the PAME website.	On track		NOR;#USA
PAME	11. AMSA III(A) – Address the infrastructure Deficit	Regular updates and status provided on infrastructure aspects such as the IMO's GISIS Port Reception Facility database.	Completed		USA
		PAME currently has two projects under this section: 1. Operationalization of the Arctic Shipping Traffic Database (ASTD) System, including the construction by 2018 and subsequent operation, administration and management of a data			
		repository hosted by the Norwegian Coastal Administration as set forth in the ASTD Cooperative Framework.			
		The database will be launched in January 2019.		ASTD: - The ASTD Database will be officially launched on January 1st 2019.	
PAME	12. AMSA III(B) – Arctic Marine Traffic Systems	, , ,	On track	CASA: - The information will be combined to the ASTD database.	USA ASTD Project status report.
	12. AMSA III(D) – Investing in Hydrographic, Meteorological and	The USA undertook an informal review of the 1st World Ocean Assessment, giving particular consideration to those chapters relating to shipping in the Arctic and current and proposed PAME work on shipping-related issues, and provided a report to the Shipping Expert Group at PAME II-			
PAME	Oceanographic Data		Completed	PAME is in the process of updating its shipping priorities and recommendations and a draft matrix	USA
PAME	14. AMSA implementation progress report		Completed	has been developed for this purpose and is currently being reviewed by PAME and other Arctic Council Subsidiary Bodies.	CAN;#USA No deliverable.
				MEMA project leads have made progress in locating additional indigenous information including from Russia, but requested additional information from all parties related to engagement of	
				Indigenous Peoples and local communities in marine activities. The Project Team is following leads on securing an analyst / editor as well as possible funding for the project. The Draft Chapter on "Obligations for Engagement" will be distributed to PAME for review and comment by PAME I-	
				2018. PAME I-2018:	
				PAME notes the update and presentation of the Meaningful Engagement of Indigenous Peoples and Communities in Marine Activities project (MEMA) Part II. Project co-leads have significantly	
	16. Meaningful Engagement of Arcti Indigenous Peoples and Local	ic MEMA Part II will review and analyze the existing guidance and requirements in the region for		expanded the database, and presented a preliminary timeline and table of contents for the final report.	CAN;#USA;#AIA;#
PAME	Communities in Marine Activities (MEMA)	engagement of indigenous peoples and local communities in marine activities to inform the Arctic	On track	PAME II-2018 The MEMA database (memadatabase.is) was presented at this meeting.	ICC;#Saami Council MEMA: Part II Report.
				PAME Chair requests that REDEG co-chairs consult with EPPR on the progress with the online survey on implementing recommendations of the System Safety Management and Safety Culture Report.	
				PAME I-2018: A representative from the International Seabed Authority (ISBA) presented at the meeting. PAME	
				notes the relevance of the evolving work of the ISBA in particular the development of Regional Environmental Management Plans (REMP) and draft regulations on exploitation of mineral resources in the Area.	
				PAME intends to continue to focus on information gathering including future presentations on offshore renewable energy, noise from activities, and mining activities that can affect the marine environment, to inform possible future work.	
	17. Updates of the AOOGG 2009 and	The Resource and Exploration and Development Expert Group (REDEG) within PAME will focus on information gathering on a number of germane and timely topics for the next two years. This will include information gathering including future presentations on offshore renewable energy, noise		Finland presented an update on the Arctic EIA project and looks forward to receiving EIA workshop outcomes. REDEG noted the importance of involving indigenous peoples early in the	
PAME	·	from activities, mining activities that can affect the marine environment and non-emergency	On track	process, developing trust, and building relationships for successful and meaningful engagement.	CAN;#USA
	18. Arctic Offshore Oil and Gas	Ongoing / Website (was launched in May 2013 and provides indexed access to information and data on national entities and agencies websites related to management, regulation, and		PAME is requested to review and update their links in the Arctic Offshore Oil and Gas Regulators Resource (AOOGRR) in advance of PAME I-2018.	
PAME	Regulatory Resource (AOOGRR) 19. Arctic Ocean Review follow-up	Follow up to the AOR Final Report recommendations has been incorporated into the AMSP 2015-	On track On track	AOR recommendations have been incorporated into the follow-up process of other PAME activities, as relevant.	CAN;#USA CAN;#NOR;#USA
, , , , , , , , , , , , , , , , , , ,	25.74 Cite Occur Neview Tollow-up	PAME approved the AMSP communication plan and the AMSP implementation plan, including the AMSP implementation tracking matrix , in February 2016. The implementation plan is a living		activities, as relevant.	z. m.ym. com
		document that permits modifications based on, for example, Arctic Council Chairmanship priorities, emerging issues, and outcomes from ongoing assessments and findings. The tracking matrix was developed with the aim to provide a mechanism to systematically track progress and		The 2nd AMSP Progress Implementation Report willl be developed for the period 2017-2019.	
	20. Implementation of the Arctic Council Marine Strategic Plan (AMSF	status on the AMSP's 40 strategic actions. This was accomplished in close collaboration with other Arctic Council WGs.		PAME has identified the need to discuss the overall implementation reporting by PAME and other Arctic Council working groups at the joint chairs and executive secretaries meeting on 24th of	
PAME	2015-2025)		On track	October, back-to-back with the SAO meeting.	CAN;#NOR;#USA 2nd AMSP Progress report

				Dealine in any 2010 delite analyte a itama		
				Preliminary 2019 deliverables items: - Guidelines for Implementing an Ecosystem Approach to Management of Arctic Marine Ecosystems (Narray (USA / FA FG))		
				Ecosystems (Norway/USA/EA-EG) - ICES/PICES/PAME Working Group on Integrated Ecosystem Assessment of the Central Arctic Ocean (WGICA) Report "Integrated Ecosystem Assessment of the Central Arctic Ocean: Ecosystem		
				Description and Vulnerability Characterization" - Progress report on the EA-EG 2017-2019		
				Proposed projects for PAME 2019-2021 Work Plan		
				- Arrange and report from the 2nd International Conference on Implementing the Ecosystem Approach to Management in the Arctic, to be held in Bergen, Norway, in spring/early summer 2019. The core theme of the conference is the issue of scale integration in the context of EA implementation.		
				- Hold a 7th EA workshop in 2020 with focus on element No. 5 of the EA framework: Value the		
				cultural, social, and economic goods and services produced by the ecosystem.		
		Two projects are under development: 1. Preparation of Guidelines for EA/EBM Implementation in the Arctic		 Continue emphasis on development of Integrated Ecosystem Assessment (IEA). Continue to report on developments within ICES/PICES/PAME Working Group on Integrated 		
		(Lead: Norway, United States, Joint EA Expert Group). Goal of Guidelines: to assist scientists, policy-makers, managers and communities in implementing an ecosystem approach for Arctic marine ecosystems.		Ecosystem Assessment (WGICA) as well as other ICES activities on IEA, the meetings of scientific experts on fish stocks in the central Arctic Ocean, and any other relevant activities, e.g., in the U.S. NOAA IEA program.		
PAME	22. Ecosystem Approach to Management	2. Integrated Ecosystem Assessment of the Central Arctic Ocean (Lead: ICES/PICES/PAME)	On track	- Report on developments in defining or setting ecological quality objectives in the context of EA implementation in national and international processes.	NOR;#USA	Guidelines for EA, 6th EA Workshop Report. 2nd EA Conference Report and EA Progress Report for 2017-2019
				4th MPA workshop planned in November 2018. Finland will update on the revised draft proposal for a Factsheet series on Arctic climate change		
	23. Enhance PAME's work on a Pan-	Enhance PAME's work on a Pan-Arctic Network of Marine Protected Areas and contributes to		impacts and decides to proceed with the development of Factsheets based on the following next steps.		
PAME	Areas (MPA)		On track		USA	MPA Progress Report, including MPA workshop reports
PAME	25. Follow-up of the Arctic Biodiversity Assessment	Follow up on ABA recommendations as appropriate to PAME mandate has been incorporated into the AMSP 2015-2025. Provide input for AACA part C to AMAP as required and Incorporated into a implementation	On track			Refer to CAFF
PAME	26. Adaptation Actions for a Changing Arctic (AACA) part c	plan/follow-up matrix that is being developed for the Arctic Ocean Review recommendations as it	Awaiting Info			
		Building on the Inuit Circumpolar Council's 2008 SDWG work in the same area, a follow-up Arctic Indigenous Languages Assessment Symposium was held February 10-12, 2015 in Ottawa, with strong youth participation, to present the Project's findings and facilitate knowledge transmission.				
		Other deliverables under the Canadian Chairmanship include a Symposium Report, for information only, as well as a Project status report on the activities for 2013-15. The Arctic languages website				
	02. Assessing, Monitoring and Promoting Arctic Indigenous	(http://www.arcticlanguages.com) was launched in 2013 as an early project deliverable and features a large collection of electronic language learning tools as well as a repository of academic				
SDWG	Languages	articles related to Arctic indigenous languages. Follow-on activities under consideration. Builds on the 2002 Taking Wing conference on gender equality and women in the Arctic The	At risk			
		Akureyri, Iceland conference held in October 2014 focused on the living conditions of men and women throughout the circumpolar North; addressed key issues including access to and control over resources; representation in decision-making; political participation; regional development;				
SDWG	06. Gender and Equity in the Arctic	human security; and material and cultural well-being. A follow-on project proposal was endorsed at SDWG Orono meeting, 01-02 October 2016.	On track		FIN;#ICE;#SWE;#A	A
		The Arctic Adaptation Exchange online portal builds on the ongoing adaptation work of the Arctic Council, notably the Adaptation Actions for a Changing Arctic project (AACA). The portal				
	09. Arctic Adaptation Exchange:	(http://arcticadaptationexchange.com/) serves as a central information hub for communities, researchers, and decision-makers across a variety of sectors by bringing the Arctic Council's work		There might be linkages between this initiative and the Arctic Decilionse Action Framework which		
SDWG	Facilitating Adaptation to Climate Change	on adaptation, along with other relevant resources, together in once place in support of information exchange and decision-making. Follow-on activities are under consideration.	At risk	There might be linkages between this initiative and the Arctic Resilience Action Framework which calls for a website to display "Implementation Actions".		
		The Arctic Energy Summit is a three-day conference that establishes a comprehensive approach to Arctic energy that includes petroleum-related activities, renewable energy potential and projects,				
anwa.	44 4 11 5 6 11 2047	energy efficiency and remote energy systems. The Summit provided a forum to share best practices, emerging technology, innovation and policy issues. The 4th Arctic Energy Summit took			51N W 65 W 51 G	I
SDWG	11. Arctic Energy Summit, 2017	place 18-20 September, 2017 in Finland. The project will deliver its final report in February 2018. ARENA seeks to increase human capacity, promote leadership, and deploy traditional and local knowledge through the creation of a knowledge exchange program emphasizing the	Completed		FIN;#ICE;#RUS	Final report
		development, operation, and management of remote energy networks (microgrids) incorporating renewable resources. ARENA combines online webinars, classroom, laboratory, and field study				
		learning environments, drawing from best practices established through experiences of the people living and the organizations operating in the Arctic. Participants will bring back to their				
	12. Arctic Remote Energy Networks	home areas knowledge, skills, and tools that facilitate integrating clean energy technologies in their communities and promote energy security and diversification, including completed feasibility			CAN;#ICE;#USA;#	
SDWG	Academy (ARENA)	studies. This project seeks to maintain and further develop a sustainable and resilient reindeer husbandry in the Arctic in face of climate change and globalization, while working towards a vision of creating	Completed		AIA;#GCI;#FIN	Final report
		a better life for circumpolar reindeer herders. The project focuses on youth involvement and engagement, seminars and place-based workshops, local capacity building, summer/ winter				
	13. Arctic Indigenous Youth, Climate	schools, networking, as well as co-production of project outputs by youth. The first phase of the project was completed in May 2017 and the phase planned for 2017-2019 is presently on hold			CAN;#KOD;#NOR; #RUS;#USA;#AIA;	
SDWG	Change and Food Culture (EALLU)	This project focused on water-related health challenges in Arctic and Sub-Arctic communities. The	On Hold		#Saami Council	
		core scientific activity of this project is was a survey by the Arctic Health Human Experts Group (AHHEG) of WASH infrastructure and the diseases related to insufficient household water quality or quantity. Key project activities included: an international WASH conference in April 2016 in				
	14. Improving Health through Safe	Sisimiut, Greenland (complete); a WASH conference September 18-21, 2016 in Anchorage (WIHAH); an online survey that assessesd the current state of WASH in the Arctic. TLK				
SDWG	and Affordable Access to Household Running Water and Sewer (WASH)	l collaboration is was integral to the project design. TLK holders' perspectives were sought on the workability of technologies in their communities.	To be archived		USA;#KOD	
		One Health is an approach to assess health issues at the interface between humans, animals, and ecosystems. This project seeks to forge co-equal, all-inclusive collaborations across multiple				
		scientific disciplines and Arctic communities in order to enhance resiliency of the Arctic inhabitants through an enhanced understanding of climatic change impacts on health risks to				
CDWC	15. Operationalizing a One Health	people, animals, and the environment. The project included TLK holders in the leadership team to develop strategy for implementing an Arctic One Health framework and in Table Top Exercises, as			CAN WEIN WILCA	
SDWG	approach in the Arctic (One Health) 16. Circumpolar Resilience, Engagement and Action Through	well as "on-the-ground" activities. The project has moved to a new phase in period 2017-2019 This is a follow-on to the RISING SUN project (2015-2017). A formal proposal will be reviewed at	On track		CAN;#FIN;#USA	
SDWG	Story (CREATes)	the SDWG Regular meeting in Levi, Finland 19-20 March 2018.	Awaiting Info		CAN;#USA	
		ECONOR III provides an updated overview of the economy, socio-economic living conditions and environmental issues in the circumpolar Arctic, as impacted by the global economy and climate change. This report follows upon ECONOR I, (2006) and ECONOR II (2008). The ECONOR projects				
		harmonize socio-economic statistical data across national and regional borders. The ECONOR III project expresses the importance of TLK for understanding the characteristics of the economy of				
SDWG	17. The Economy of the North 2015 (ECONOR III)	the north. Traditional and Local Knowledge is integrated in a chapter that describes traditional living, the subsistence activities and their relationship to the market economy.	To be archived		CAN;#NOR;#USA; #Saami Council	
		The project takes a multi-disciplinary approach in assessing the potential for increased production and added value of food from the Arctic, with the overarching aim of improving food security, and				
		enhancing the social and economic conditions of Arctic communities. By focusing on biological (climate change), commercial (commercial resources, infrastructure and resource and industry				
		policy), cultural (food traditions and organization of food chains) and market conditions (local, national and international), this project will identify potential pathways for Arctic food production				
SDWG	18. The Arctic as a Food Producing Region	, ,	On track		CAN;#ICE;#NOR;# GCI;#ICC	Final report
		The online Arctic Renewable Energy Atlas (AREA) will be a central location to access information, case studies, and best practices in the Arctic region to facilitate implementation of renewable energy and energy efficiency projects. Information presented within the Atlas will fall into four				
	19. Arctic Renewable Energy Atlas	categories: resource supply, demand, investment and capacity, and traditional and local knowledge. Taken together, AREA will foster knowledge exchange between Arctic residents and				
SDWG	(AREA)	The project promotes and expands the dialogue on Gender Equality in the Arctic region. Building	On track		CAN;#USA;#GCI	
	20. Gender Equality in the Arctic II	on previous projects, initiatives and conferences, in particular the outcome and recommendations from the Conference – Gender Equality in the Arctic- Current Realities and Future Challenges, that was held in Akureyri in October 2014. The project aims to continue that work by establishing a				
SDWG	(see Gender project above for update details)	formal network of experts in this field that will over the course of the next two years advance the	On track		FIN;#ICE;#SWE;#A IA;#Saami Council	
Task Force	Task Force for Enhancing Scientific Cooperation in the Arctic	The Kiruna Declaration calls on the Task Force to "work towards an arrangement on improved scientific research cooperation among the eight Arctic States."	To be archived		RUS;#USA	
		The Fairbanks Declaration in spring 2017 established a "new mandate for the Task Force to		The Task Force held 2 meetings: one in Helsinki on 14-15 September 2017, another one - in Quebec City on 15-16 February 2018. Based on additional instructions from the Senior Arctic Officials (SAOs) in February 2018, the TEAMO II (2017, 2019) suspended its work regarding		Recommendations for complementary
	Task Force on Arctic Marine	build upon this work by presenting terms of reference (ToRs) for a possible new subsidiary body, and recommendations for complementary enhancements to existing Arctic Council		Officials (SAOs) in February 2018, the TFAMC II (2017-2019) suspended its work regarding the development of draft ToR for a possible new Arctic Council subsidiary body. Instead, the Task Force has focused its recent work on the recommendations for complementary		enhancements to existing AC mechanisms in the field of sustainable use of the Arctic marine
Task Force	Cooperation	mechanisms, for consideration by Ministers in 2019.	On track	enhancements of the Arctic Council institutions.	FIN;#ICE;#USA	environment.
	Tack Cores are less to the	The TFICA will be formed to continue the work of the TFTIA, and will build upon the experience of the telecommunications industry to deepen the analyses of the different user needs versus the		The Task Force has held three meetings so far; one in Helsinki on 21 November 2017, one in Washington D.C. on 16-17 May 2018 and one in Copenhagen on 26-27 September 2018. A	_	The TEICA chauld deliver a first
Task Force	Task Force on Improving Connectivity in the Arctic (TFICA)	available technologies and services in order to achieve improved connectivity in the Arctic. The TFICA should report directly to the SAOs and deliver a final report to Ministers in 2019.	On track	number of teleconferences has been arranged in addition to regular meetings. The next meeting will be held in Reykjavik, Iceland on 11-12 December 2018.	g FIN;#KOD	The TFICA should deliver a final report to Ministers in 2019.

	Funert Crown in support of	The Expert Group was established at the Arctic Council Ministerial Meeting in Iqaluit 24 April 2015. The objective of the group is to periodically assess progress of the implementation of the Arctic				
	Expert Group in support of implementation of the Framework for Action on Black Carbon and	Council's Framework for Action on Black Carbon and Methane, and to inform policy makers from Arctic states and from participating Arctic Council Observer States. This includes preparing, on a once every two-year cycle to the Arctic Council Ministerial meeting, a high level "Summary of				The EGBCM will submit its 2nd Summary Report to
Expert Group	Methane	Progress and Recommendations" report, with appropriate conclusions and recommendations. This initiative is focused on enhancing engagement in relation to the roles and functions of Arctic wetlands as a resource for humans and biodiversity, to support sustainable development and	On track		FIN	the Arctic Council Ministerial meeting in 2019.
		resilience in the Arctic. This first stage is focused on enhancing the state of knowledge on resilience and management of Arctic wetlands in response to global change, including changes in				
		climate and land use, and identification of knowledge gaps and research needs concerning sustainable development policies. Stage 1 is comprised of four components: 1. Analysis of wetland inventories – current status and future priorities; 2. Scoping study of a) relevant scientific	1			
		literature focused on both scientific and Indigenous understanding; b) relevant grey literature focused on Traditional and local Knowledge developed by indigenous organisations, and c)				
		relevant literature which documents Traditional and local knowledge. 3. Identification of key knowledge gaps and research needs. 4. Engagement of Arctic Indigenous Peoples regarding gaps and concerns. Some suggested ways of engagement include: a) a series of webinars to inform				
	16. Scoping for Resilience and	about the project and gain feedback; and an b) email and telephone based survey. Reporting is scheduled to be completed in March 2018 with the findings from stage 1 to be used in the design				Arctic Wetlands Inventory; Scoping study;
CAFF	Management of Arctic Wetlands	of subsequent stages.	On track	Progress report to inform agenda item on Resilience The OSPAR Commission has become the 5th co-lead in this project. A marine litter expert group	SWE	identification of key gaps and concerns
		Conduct a Desktop Study on Marine litter including microplastics in the Arctic to evaluate the		has be created. Literature gathering is underway. 1st outline of the study has been developed.		
		scope of knowledge on marine litter in the Arctic, and its effects on the marine environment. Based on its outcomes, explore whether there is a need for a Regional Action Plan on Marine Litter (possible Phase II for the period 2019-2021).		The projects co-leads work closely with other Arctic Council working groups, in particular ACAP, AMAP, CAFF, and SDWG and encourages active engagement with relevant experts, observers and international organizations.	i	
PAME	27. Desktop Study on Marine Litter, including Microplastics, in the Arctic	A project proposal for phase II is under review. Dudinka city landfill is located on permafrost about 500m from the Yenisey River in Krasnoyarsk	On track			# Dektop Study on Marine Litter, including Microplastics, in the Arctic.
		Krai. The project aims to assess environmental impacts of the landfill and develop remediation technology. The work will include a survey of existing approaches, implementation of remediation	,	Russia has placed a study reservation on the project and work can not proceed until this has been		
ACAP	3.4 Dudinka Municipal Waste Land- fill project	identification of other sites to replicate the methodologies and introduction of best available technologies for rehabilitation of MSW landfills.	Delayed	lifted. Last discussed at the PCOM meeting on October 9, 2018, and the study reservation remains in place.	s RUS	
				PAME invites one Observer State to make a presentation at every PAME working group meeting on relevant Arctic interest and activities, including shipping (Germany at PAME II-2017).		
				PAME has invited Observers to submit responses to Section 3 of the paper entitled "Developing a Approach/Framework for more Systematically Engaging with Observers on PAME's Shipping	ın	
				Related Work"		
				PAME I-2018: PAME thanks those Observers who submitted responses to the questions developed for the project on "Developing and Approach/Framework for more Systematically Engaging with		
				Observers on PAME's Shipping Related Work" and encourages all Observers who have not submitted information to do so. Before the PAME I-2018 meeting, The Republic of Korea, IASC,		
				University of the Arctic, Poland, The Netherlands and Italy submitted responses. PAME invites the project co-leads to submit to PAME II-2018 a report summarizing all responses		
	Engagement of Observer States in	Develop an approach/framework for more systematically engaging with Observer States on PAME's shipping-related work, and identify opportunities for Observer States to contribute to		received and next steps for the project, including a possible dedicated workshop to take place in 2019.		
PAME	PAME's shipping-related activities	and/or support such work. The project aims to reduce atmospheric emissions of SLCPs from river shipping in northern	On track		USA;#AIA	To be determined
ACAP	1.2 Arctic Green Shipping - SLCP Mitigation	regions of the Russian Arctic. In addition, the project seeks to decrease atmospheric emissions and water discharges of local pollutants and contaminants. Best practices could be replicated in other regions of the Arctic.	Delayed	Project commencement delayed due to study reservations by Russia. ACAP has expressed concerns on the project based on news from Volgotrans that is plans to expand its fleet and that routes are between St Petersburg and the Sea of Azov in the south, not the Arctic.	RUS	
7.67.11	······································	The objective of this project is to forge a strong and globally connected community of future Arctic leaders through an investment in the human capital of the region with focus on training,	Delayeu	routes are secureer set reteriseary and the sea of retering the south, free the rifetion		
		networking, and partnerships led by the region's primary actors in education, research, public policy, and business. The main project will implement a series of collaborative activities between key actors in northern business, higher education, science and capacity building that will give a				
CDMC	24. Austin Communica 2020	strong boost to the relationship among young northern students, future indigenous leaders, young scientists, and early career business experts, as well as giving them global connections and	Dalawad		FINI-HAIOD	
SDWG	21. Arctic Generation 2030	confidence. The nomadic school project is aimed at the analysis and evaluation of educational practices without interrupting the traditional way of life of Indigenous peoples – children of nomads,	Delayed		FIN;#NOR	
	22. Arctic Children-Preschool	providing them with the knowledge and skills necessary to function fully as effective members of both their own community and mainstream society. The main objective of the project is collection			FINL HOLIC. HOAIDC	
SDWG	Education and Smooth Transition to School	of data related to best international practices and their implementation: optimal curriculum and education process organization, creation of arctic nomadic tutoring system.	On track		FIN;#RUS;#RAIPC	
		The key actions of the project are divided into four main categories: a) Knowledge Exchange; b) Shared Research; c) Cooperation in teacher education; and d) Long term continuity (beyond 2019). The thematic network will continue as a UArctic thematic				
	23. Teacher Training for Diversity	network among teacher education institutions across the circumpolar north. It will focus promoting quality, culturally relevant teacher education for the north. The UArctic Thematic			CAN;#FIN;#NOR;	#
SDWG	and Equality in the Arctic	Network on Teacher Education for Social Justice and Diversity in Education will lead the project. The objectives of this project are: a) to improve the utilization of EIA as a tool to combine economic activities and environmental aspects; b) to increase the weight of environmental issues	On track		RUS	
		in project planning and decision making; c) to strengthen public participation and inclusion of indigenous, tradi				
	25. Good Practice	tional and local knowledge in EIA processes; d) to identify good practices within Arctic region by sharing experience and learning from each other through networking; and e) to reach developers and to learn				
	Recommendations for Environmental Impact Assessment	about Arctic-specific issues in EIA (in cooperation with the Arctic Economic Council). The project will produce Good Practice Recommendations on EIA and Public Participation in EIA in				
SDWG	(EIA) and Public Participation in EIA in the Arctic (Arctic EIA)	the Arctic. It will build a network of national and regional EIA authorities and other actors in the Arctic region. The project goals and deliverables include: 1) an examination of current best practices in solid	On track		GCI	# Good Practice Recommendations on EIA and Public Participation in EIA in the Arctic.
		waste management among the Arctic States; 2) a determination of the potential need for policy actions to address waste management issues; 3) assessing the potential for recycling/reusing				
		plans that will lower waste and provide revenue, building on Indigenous traditions of "nothing wasted, everything used"; 4) an examination of programs to educate communities and raise awareness about waste				
		management and how changes can positively affect them; and 5) an assessment of contaminants issues related to solid waste disposal in the Arctic. This project will operate under the auspices of the SDWG, but will also include close cooperation with ACAP which will provide expertise in				
	26. Solid Waste Management in	the SDWG, but will also include close cooperation with ACAP which will provide expertise in articulating contaminants issues related to solid waste handling. In addition, the involvement of the Arctic Economic Council (AEC) will be invaluable in exploring the potential for public/private				
SDWG	Small Arctic Communities 1.7 Mitigation of black carbon and methane emissions from APG flaring	partnership approaches to waste management.	On track		CAN;#FIN;#AIA	
ACAP	in the Arctic zone of the Russian Federation	The Project seeks to improve knowledge on black carbon and methane emissions in the Russian Arctic, with emphasis on the oil and gas sector, and spur enhanced actions to reduce emissions.	On track		RUS	
	2.6 Promotion of decrease of the Barents region pollution by	The project goal is to prevent and decrease Arctic pollution based on the BAT knowledge delivery to enterprises and universities, facilitating environmental investments in the area. Includes a feasibility study, development of a continuously operating education systems for experts and				
ACAP	introduction of BAT	authorities, workshops and seminars to distribute findings. This is a PAME-EPPR collaboration to update incident information contained in the AMSA Report,	Delayed	The project is delayed due to a study reservation from Russia.	RUS;#SWE	
EPPR	20. Compendium of Arctic Ship Accidents (CASA)	with input from Arctic States, to develop a new database call the Compendium for Arctic Shipping Accidents (CASA). CASA will support and aid other EPPR projects by providing data to support risk analysis discussions and decision making.	On track		USA	
		The Arctic Resilience Action Framework (ARAF) is an organizing framework, to improve coordination and enhance shared learning using the resilience approach as a tool. Implementation				1) Collection of resilience actions/best practices from States, PPs, and Working Groups; 2) A
		of the ARAF will involve three activities: 1) Identify actions that are taken by Arctic Council States, Permanent Participants, and Working Groups, in 2017-19, that build resilience; 2) Develop a				summary of examples of resilience indicators; 3) Arctic Resilience Forum summary report; 4)
SDWG	Arctic Resilience Action Framework (ARAF)	catalog of protocols and indicators that can measure progress towards building resilience; 3) Plan an Arctic Resilience Forum to take place September 10-11, 2018 in Rovaniemi, Finland.	On track		FIN;#SWE;#USA CAN;#FIN;#ICE;#I	Broader recommendations for follow-up beyond the ARAF project.
					OD;#NOR;#RUS;# SWE;#USA;#AAC	ŧ.
AMAP	12. Update of AMAP Strategic Framework	Update of AMAP Strategic Framework	On track	Input on Arctic Council future strategy discussions would be relevant	#AIA;#GCI;#ICC;# RAIPON;#Saami Council	
CAFF	12.1 Inspiring Arctic Voices	CAFF is supporting two youth initiatives: 1) Arctic Youth Exchange, and 2) Arctic Youth Summit (to be held in association with the Arctic Biodiversity Congress)		5, 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	FIN;#USA	Arctic Youth Summit statement, other deliverables TBD
		As two international organizations based in Akureyri, Iceland, the Conservation of Flora and Fauna (CAFF, www.caff.is) and the International Arctic Science Committee (IASC, www.iasc.info), would				
		team up to help early career scientists (two fellows) get more involved in the process of taking research from results through to science policy recommendations. Potential fellows have been				
		asked to identify a joint area of interest and expertise, participate in and contribute to CAFF's work, and produce a culminating output. Activities include following the process of a scientific assessment, contributing to teleconferences & workshops, attending appropriate				
CAFF	12.2 CAFF IASC Fellowship 21. EPPR 2019 Radiation Exercise	meetings and the Arctic Biodiversity Congress, and producing peer reviewed/CAFF documents. This table top exercise (TTX) will cover maritime radiological/nuclear scenario and include a search	On track On track		SWE	Results of CAFF-IASC Fellowship
ELLI	21. LEE IN 2013 NAUIDUUI EXELCISE	and rescue element. Coordination with the SAR EG is in place. Develop a unique library of Arctic related oil spill response, SAR, and emergency management graphics and photos accessible by EPPR members for use internally or for outreach materials. The			NOIL	
EPPR	22. Creating an EPPR Image Library	desired outcome is to have images that are free from copyright issues, represent a broad array of subjects and are managed under a set of agreed upon usage guidelines by EPPR.	On track		USA	EPPR Image Library

EPPR	RADSAR - Sharing of competence with SAR in a maritime radiological/nuclear (RN) scenario	A sub-project of ARCSAFE. The project will seek to enhance the focus on maritime SAR opin a possible radio-nuclear scenario. The project will gather information from Rescue Cool Centers (RCCs) including training, equipment and information flow between SAR organizars. RN specialists needed to sustain the specific level of operational capacity.	rdination	FIN;#NOR
EPPR	25. Circumpolar Oil Spill Response Viability Analysis - Phase 2 (COSRVA 2)	Since the approval of the COSRVA (Fairbanks 2017) new and improved metocean data has made available, and these should be implemented to eliminate the reported shortcoming previous data. The results of the analysis will be implemented in a web-based GIS tool, which include several additional features.	gs in the	NOR
EPPR	24. Risk Assessment methods and metadata - development of guidelinand tool	In moving towards a circumpolar marine environmental risk assessment (responding to C 3.1.2 in the FPOPP) it was agreed after a workshop in Ålesund (November 2017) that a stene approach was the best was forward. To that end, this project will develop a guideline and Full participation by Arctic States, PPs, and relevant stakeholder is encouraged.	ep-wise	NOR
EPPR	23. Review of legal challenges relate to the MOSPA Agreement	The project seeks to clarify legal liability issues (responder and requesting state) in relatio MOSPA Agreement. Expected outcomes include a project report and, if necessary, recommendation on additions or clarifications to the MOSPA Agreement to mitigate unceed legal provisions or risk. Topics include legal challenges that are general to international as and cooperation in case of pollution response operations.	ertain	NOR;#USA Summary report.