AMAP Arctic Monitoring and Assessment Programme Monitoring and Research

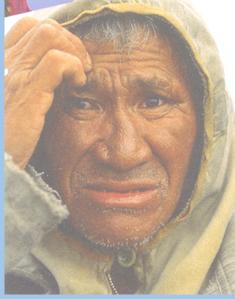
of Arctic areas;

AMAPs need for data to perform assessments of pollution, climate change & UV/Ozone & human health

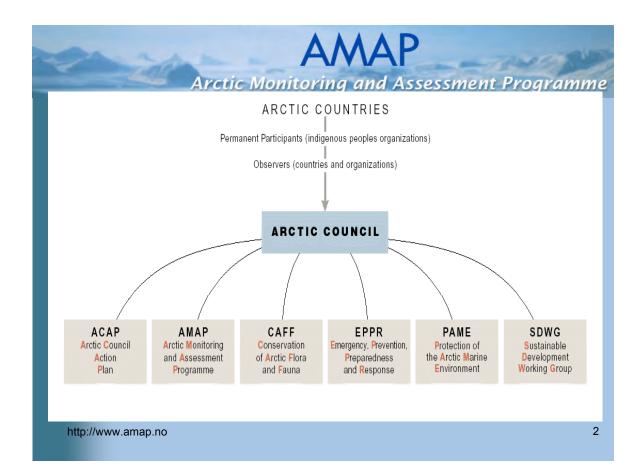
SAON Workshop Edmonton, April 9 -11, 2008

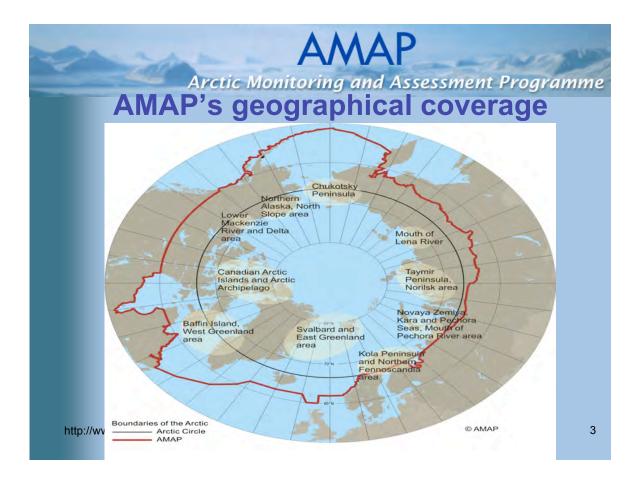
> Lars-Otto Reiersen, Executive Secretary

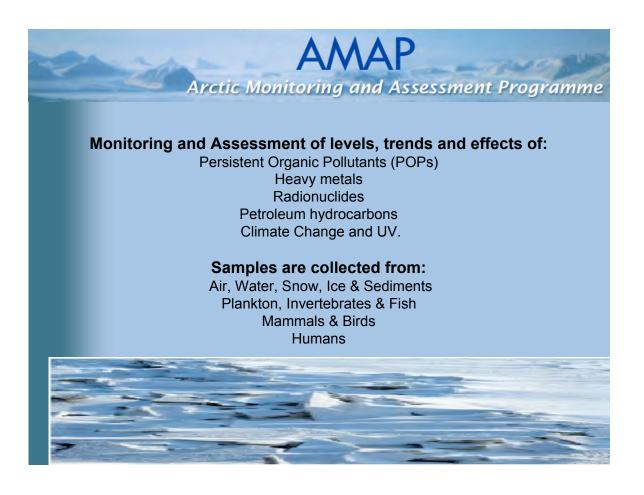
http://www.amap.no

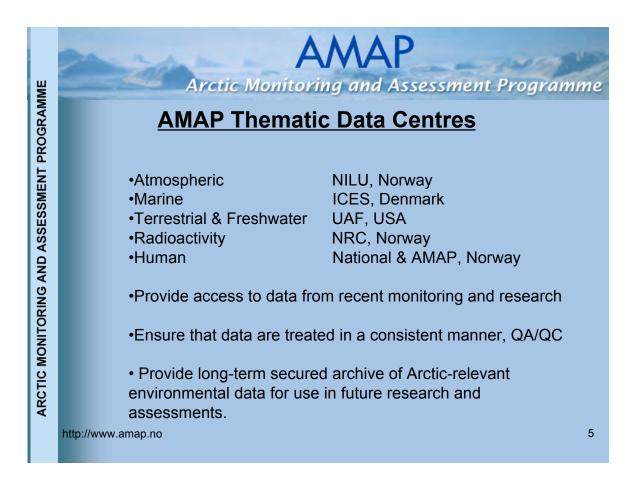


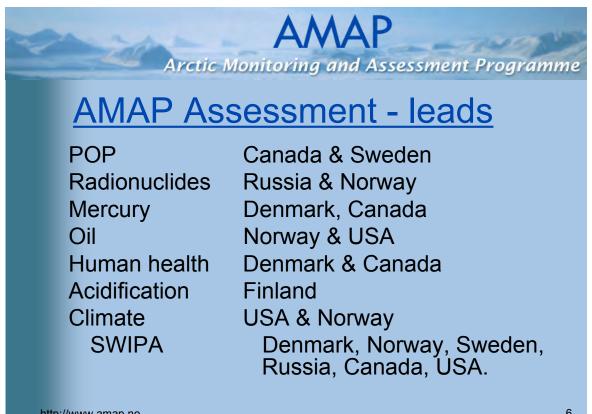
1







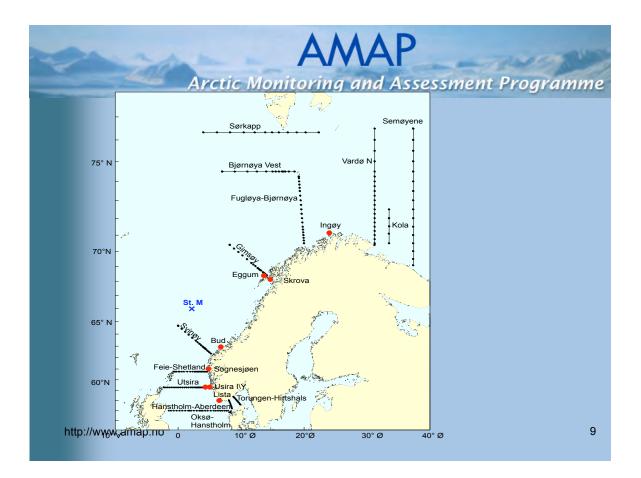


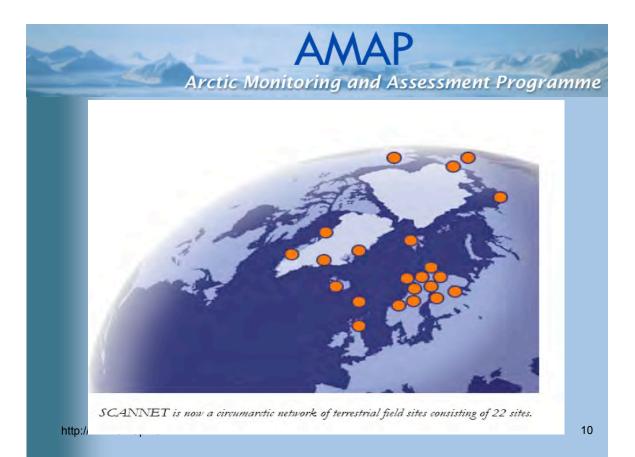


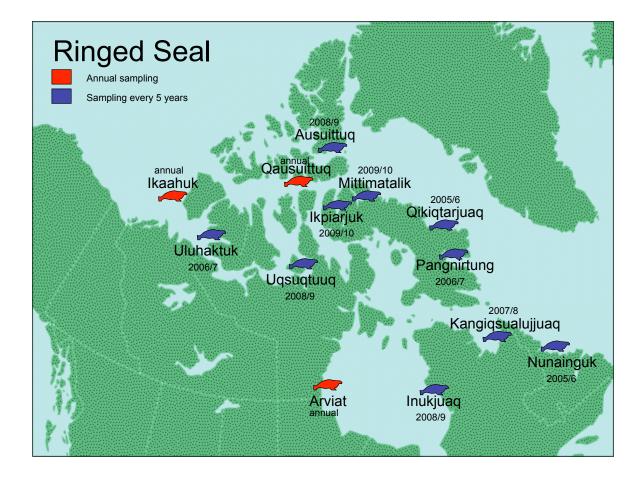
AMAP Arctic Monitoring and Assessment Programme Air monitoring at Alert Continuous measurement of POPs and mercury Meteorological Service of Canada Alert, Nunavut. Defence R&D Canada/Janice Lang 7

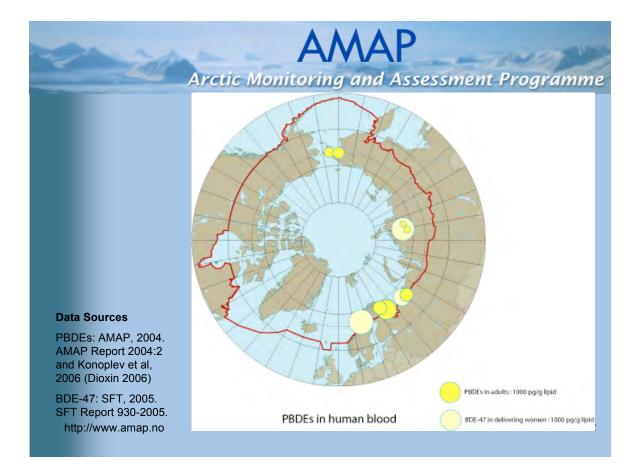
http://www.amap.no

Zackenber		Ionite		Asses.	sment Program Programme
	• .		Ŭ		Ŭ
Appendix 3. MarineBasis in effects)	n relation to AMAP's E	frects Monito	oring Programme (Ci	mate Change	Zackenberg: site of coordinated long-terr
Variable	Parameter subdivision	MarineBasis Sites	Level	Recommended by AMAP	Bio-, Geo-, Climate-
Radiation	UV-B	2	Micro/Fjord	Yes	and Marine monitorir
	Short wave	2	Micro/Fjord	Yes	and Marine morntom
	PAR	2	Micro/Fjord	Yes.	
Air pressure		1	Micro/Fjord	Yes.	
Wind	Speed	1	Micro/Fjord	Yes	
	Direction	· 1	Micro/Fjord	Yes	
Snow cover	Depth	3	Micro/Flord	Ves.	
	Extent	з	Outer fjord	Yes	
	Duration	Э	Micro/Fjord	Ves-	
life cover	Depth	1	Micro/i		
	Extent	10	Outer		
	Freeze time	1	200		
	Thaw time	1	-		
Current patterns	Vertical profiles	2	Microl	CHARLES AND	-and ambien 2 Camboo Ambao Ambao
	Speed & direction	2	Micro/	The second	
Nutrients	Vertical profiles & fluxes	2	Micron	the second second	A Constant of the second second
Carbon and CO2	Vertical profiles & fluxes	2	Microl	14 10	A THE WALL AND AND
Salinity and temperature profiles	Vertical profiles	2	Micro/	a cashe	
Water table, tides	Depth	Irrelevant		ER	and the second of the second o
Plankton	Species composition,	2	Mitro/		
	abundance, distribution		GINE	(CI)	
Primary production	ice algae/phytoplank-ton/ underwater plants	2	Micro/	UK.B	
Underwater plants/diatoms	Species composition,	10	Outer	Call Service	
	abundance, distribution		and the second		allow and in a
Benthos	Species composition, abundance, distribution	10	Outer	150	
Walrus	Abundance	1	Outer and mid fjord	Ves	
Ringed seal	Change in food choice	-	Outer and mid hord	Yes	
Sec. The State	and condition				

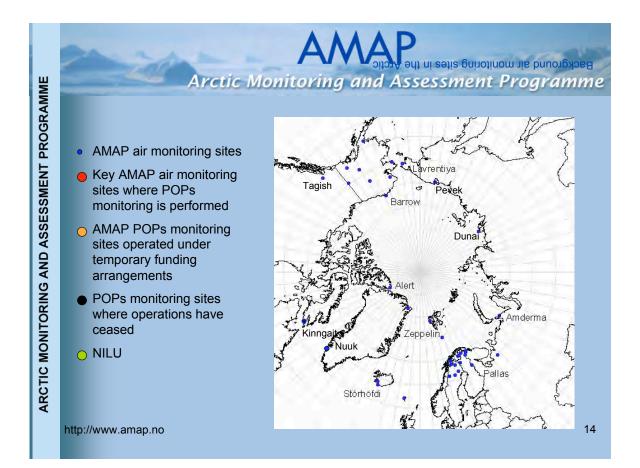














SAON Request from Arctic Council

"Urge all Member countries to maintain and extend long term monitoring of change in all parts of the Arctic, and request AMAP to cooperate with other AC Working Groups, IASC and other partners in efforts to create a coordinated Arctic Observing network that meets identified societal needs"

Arctic Council Ministerial Meeting 26 October, 2006 http://www.amap.no

15





AC/AMAP, IASC, WMO/CliC, IPY, AOSB, FARO, IASSA, ISAC, GOOS, IPS & US-NSF.

http://www.amap.no

Actic Monitoring and Assessment Programme New techniques, Unmanned Aircraft Systems (UAS) - Issues to be clarified: The Users needs Aviation regulations in each state National security issues Principles for cooperation, e.g. transparency, share of data, etc.

17

