



Integrated Arctic Observation System

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Deliverable 7.8

Dissemination material V2

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6	IOPAN		29	U Helsinki	
7	DTU		30	GFZ	
8	AU		31	ARMINE	
9	GEUS		32	IGPAN	
10	FMI		33	U SLASKI	
11	UNIS		34	BSC	
12	NORDECO	х	35	DNV GL	
13	SMHI		36	RIHMI-WDC	
14	USFD	х	37	NIERSC	
15	NUIM		38	WHOI	
16	IFREMER		39	SIO	
17	MPG		40	UAF	
18	EUROGOOS		41	U Laval	
19	EUROCEAN	0.1	42	ONC	
20	UPM		43	NMEFC	
21	UB		44	RADI	
22	UHAM		45	KOPRI	
23	NORUT		46	NIPR	
			47	PRIC	

X: Contribution to the deliverable

Dissemination Level						
PU	Public, fully open	Х				
СО	Confidential, restricted under conditions set out in Model Grant Agreement					
CI	Classified, information as referred to in Commission Decision 2001/844/EC					



EXECUTIVE SUMMARY

This report gives an updated brief overview of dissemination material for the main target groups of INTAROS: decision-makers in European agencies; decision-makers in Arctic, international bodies and companies; early-career scientists and high-school students and teachers; local communities; and the general public. The material includes project brochures, flyers to specific groups and information packages including videos and written material for students and general public. Material will continue to be developed and updated during the remainder of the project.

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1. Introduction

This report describes the executed (month 13-48) and planned (month 49-60) dissemination activities and materials towards 6 target groups. We list the dissemination material and actions produced by month 48. The report will not cover the scientific publications nor the participation of the partners at meetings, scientific conferences and workshops to be performed by the partners. Each target group is addressed in specific Tasks in WP 7 and this is reflected in this report. The report allocates the responsible institution for each activity, but other partners are expected to contribute to the implementation of each activity.

2. Outreach towards target groups

INTAROS has produced some promotion material aimed at all the target groups. This material includes:

- News stories and blogs published at the Project web-page: http://www.intaros.eu
- An updated INTAROS brochure highlighting work done from 2016-2018 (Appendix Section 3.3)
- INTAROS film prepared to showcase fieldwork (2019)
- INTAROS film produced to showcase the SnowApp <u>fieldwork</u>, 2019.
- INTAROS film to showcase the OceanObs mission, 2019.
- INTAROS film about fieldwork in Greenland, 2019.

In addition there has been substantial dissemination activity by INTAROS contributors to all target groups, as shown in Section 3.2 of the Appendix.

Target group 1. Decision-makers in European agencies

Lead: EurOcean, Contributors: U-Helsinki, NERSC

Objective: Engage the European Agencies in building up of a sustainable integrated Arctic Observing System

Activities:

- 1. Work together with EU Polarnet and the other projects in the Polar Cluster (formerly Arctic Cluster) to produce dissemination products such as folders and posters. A Communication Task Group has been established with members from all the Arctic Cluster projects, including INTAROS.
- 2. Produce tailored e-Newsletters that will be disseminated to all the relevant decision and policy- makers twice-yearly from year two.

Audience: EU Agencies including European, Environment Agency (EEA), and the European Maritime Safety Agency (EMSA).

Results by month 48:



- 1. Presentation at the ARCUS Seminar, "Community Science in Arctic Research and Observing: Past, Present, and Future.", 2019.
- 2. Contribution to <u>AccuWeather film Sensing Our Planet: NASA Earth Science Research</u> Features, 2019,
- 3. Presentation at ESA Living Planet Summit, 2019.
- 4. Contribution to EASME video series on Arctic Projects, shown during Arctic Circle 2019.
- 5. Contributions to Arctic Science Summit Week, 2020.
- 6. Contributions to ESA's European Polar Science Week, 2020.
- 7. Participation in the EU Polar Expert Forum III, with ESA and Copernicus, October 2020.
- 8. Renewed commitment to the EU Polar Cluster (previously Arctic Cluster) generated in 2020, with participation by INTAROS in the Data WG (working group), the Stakeholders WG, the Dissemination & Communication WG, the Education and & Training WG and the Policy WG.

Target group 2. Decision-makers, international bodies and companies

Lead: EurOcean; Contributor: NERSC

Objective: Inform Decision-makers in Arctic and International Bodies about the INTAROS results and how new and integrated observing systems for the Arctic, including CBMs, can improve the management of the Arctic and Sub-Arctic Seas.

Activities:

This activity will produce outreach material towards public and private bodies, including companies, with an interest in Arctic affairs and has the goal of informing them of project activities and the need for building up a sustainable integrated Arctic Observing System. Flyers and brochures and newsletters will be distributed at international events such as Arctic Frontiers (Tromsø, Norway), POLAR2018/AOS2018, Arctic Circle (Iceland), Arctic Science Summit Week, and other future events to reach diverse stakeholder groups.

A particular focus will be on working together with Arctic Council secretariat and its working groups, Indigenous People Secretariat, and Permanent Participants, through the Arctic Portal. Also SAON and its committees Arctic Data Committee (ASDC) and Committee on Observations and Networks (CON). The contact and development of dissemination material towards these intergovernmental organizations will be performed in close collaboration with WP 6 and WP 4 and the Arctic Cluster.

Audience: Arctic Council working groups. Specific dissemination material will be developed to target companies working in the Arctic, in particular organization such as Arctic Business Council, Norwegian Shipping Association (the largest shipping organization in the world), Association of Arctic Cruise Operators, World Ocean Council (WOC), and industries. This work will be linked to WP 1 and WP 6.

Results by month 48:

- Joint workshop by INTAROS and Blue Action in China, January 2018.
- Contribution to Arctic Observing Summit Statement, November 2018.
- Contribution to 2nd Arctic Science Ministerial, March 2019, including contribution to the Letter to Ministers attending the ASMI.
- Presentation to Norway's Oil Fund, 2019.
- Course on CBM and Collaborative Management, Nuuk, 2019.

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- Contribution to COP25 Madrid, 2019.
- Participation in European Maritime Day 2018 and 2019, (2020 event was cancelled due to COVID-19) with distribution of INTAROS dissemination materials and promotional materials,
- Development of a new INTAROS pamphlet designed for decision makers (updated version in process, December 2020).
- Contribution to the annual meeting of the Marine Stewardship Council, Norway 2020.

Target group 3: Early-career scientists

Lead: EurOcean; Contributors: USFD, FMI, NERSC, UH, IMR, GEUS, GINR Objective:

Contribute to capacity building for early-career scientists.

Activities:

Summer school: Plans for the INTAROS Summer School, which was due to take place in Svalbard in summer 2019, were altered due to the expenses involved in carrying out the course at that location. New plans were begun to hold the summer school in Sodankyla, Finland, in 2020, but were disrupted by the COVID-19 pandemic. Current plans involve holding a series of online courses during the spring and summer of 2021, on themes covering observing systems, with a special focus on existing and emerging technologies and solutions for Arctic waters, atmosphere and land, including space-based, in situ and community-based observations. (Responsible (UNIS, NERSC, FMI))

Teaching material: The lecture material developed for use at the online course will be further distributed and utilized as an educational package openly available to schools and universities, interested in observation-based research in the Arctic, e.g. at annual Hyytiälä (Finland) Winter/Summer Schools/Courses organized by UHEL and the courses organized by University of the Arctic. (The lecturers are responsible for developing their contribution. Editors: UNIS, NERSC, FMI)

Contribution to Arctic Affairs specialization program. A specialization program on Arctic Affairs has been established as collaboration between Aarhus University, Greenland Institute of Natural Resources (GINR), University of Manitoba and University of Greenland. This specialization program provides theory and practical lessons in relation to Arctic monitoring and applications. INTAROS will contribute to this program based on the main findings and case studies of WP6. The incorporation of findings and case studies into lectures will progress during the entire INTAROS program period, particularly towards the end when the main findings of the program are formulated (Responsible: GINR)

Results by month 48:

- Provision of a *travel grant* to Zeinab Jeddi to participate in EGU 2019.
- AGU Special Session: Assessment, Enhancement and Integration of Arctic Observing Systems, 2018.
- EGU 2019 special session: "Evaluation, exploitation and enhancement of Arctic observing systems across disciplines".
- Various contributions to EGU 2019 poster session.
- Contribution to UAK Research school on cross-disciplinary science in the Arctic and collaboration with local communities, UNIS, Svalbard, 2018. Material available at https://uak.ucalgary.ca/svalbard-research-school/.
- EGU Special Session I: Arctic observations: data collection, management, and user

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engagement, April 2020.

• Contribution to <u>UAK Summer School</u>, onboard KV Svalbard 2020. Material will be available in 2021.

Target group 4: High-school students and teachers.

Lead: GINR; Contributions: USFD, UNEXE, IGPAN.

Objective: Contribute to capacity building for high-school students and general public.

The work towards this target group is implemented through a climate change package, linking high schools to community based monitoring initiatives;

Activities:

Development and implementation of modules within Climate Change teaching packages for high school students and teachers in Greenland as part of collaboration with high schools in Greenland, Government of Greenland, Greenland Institute of Natural Resources and Aarhus University. (Responsible: GINR)

Link high schools with ongoing climate monitoring programs and activities and real life data collection, including community-based monitoring initiatives such as the NFR-REGIME, and EU BEST funded PISUNA project. Connections will also be made with the 'Arctic in a Class Room (ARCUS)' programme coordinated by the Arctic Research Consortium of the United States. (Responsible: NORDECO and NERSC)

Two packages of educational materials for teachers and students of lower and upper secondary schools will be prepared to enhance literacy of Arctic Observations among teachers and students. Workshops for teachers will be prepared to learn how to use the educational packages in cooperation with other European projects e.g. Scientix (community for science education in Europe), ERIS (project from ERASMUS+) and EDU-ARCTIC (H2020 project). (IGPAN).

Results by month 48:

- An evaluation of the educational materials produced by the INTAROS consortium and others was performed and described in Deliverable 7.7.
- Presentation of educational materials during <u>EGU Special Session II Trans-disciplinary</u> aspects of researching Arctic change, April 2020.
- Float Your Boat; Arctic Wooden Boat Experiment, 2020.
- Two dedicated educational packages were produced by IGPAN, as described in Deliverable 7.9.

Target group 5: Local communities.

Lead: NORDECO: Contributor: NERSC: Sub-contractors: ELOKA. YRITWC and CSIPN.

Objective: Capacity building for local communities and civil society organizations.

Activities:

Develop capacity and education material connected to workshops and meetings with local

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communities. The goal of the material is to build further capacity in community-based observing in the Arctic. There will be a particular focus on professional and cross-disciplinary skills and competences of the youth to help ensure the sustainability of community-based observing into the future.

Results by month 48:

- Workshop at BARC Science Fair, 2018.
- Cooperation in Arctic Science Challenges and Joint Actions, 2nd Arctic Ministerial Meeting side event, 2018.
- Report from the Stakeholder dialogue, Longyearbyen, 2018.
- Report from the Cruise expedition monitoring workshop Svalbard and Greenland, 2019.
- Report from the Collaborative resource management and monitoring workshop, Hokkaido, Japan, 2019
- Workshop and dialog meeting with local stakeholders, Svalbard, 2019.
- Report from the Community-based monitoring capacity development workshops, Yakutia and Komi Republic, Arctic Russia, 2017-2019.
- Contribution to Svalbard Social Science Initiative, 2019.
- Policy brief on Local and scientific observations for improving fisheries in Greenland (Ref. Deliverable 6.6).
- Policy brief on Natural disasters in Disko Bay, Greenland. (Ref. Deliverable 6.6).
- Policy brief on Monitoring Svalbard's environment and cultural heritage by expedition cruises. (Ref. Deliverable 6.6).
- Policy brief on Natural disasters in Longyearbyen, Svalbard (Ref. Deliverable 6.6).

Target group 6. General public

Lead: USFD; Contributors: UNEXE, DTU, EurOcean Objective:

Produce dissemination material (e.g. flyers, newsletters, posters, popular science articles, special issues) to promote high-profile topics in the Arctic such as natural hazards in the Arctic, Greenland ice sheet melt, sea level rise, sea-ice reduction, melting of permafrost, pollution problem and community-based and citizen science observing approaches.

Activities:

- 1. Press pack will be provided for use by the press offices of these institutions to present and discuss project highlights, and foster engagement with the indigenous and local communities and the policy makers.
- 2. Develop flyers to advertise for the sessions organized by INTAROS e.g. EGU, POLAR 2018, AGU, OceanObs 2019, and during the annual Arctic Science Summit Weeks.

Prepare informational package and exhibition material, including photos and videos from field work in the Arctic, for use in Science Centers in EU countries e.g. Arktikum Science Centre in Finland or VilVite in Norway. This activity will also contribute to promote tourism, by highlighting the unique nature and environment of the Arctic regions. (USFD)

Results by month 48:

- Regular update and maintenance of INTAROS website and social media (Facebook and Twitter)
- 24 targeted dissemination actions by the partner institutions (M13-48), see Appendix, Sec. 3.1.



3. Appendix

3.1 Dissemination towards the General Public

Type of activities	Main leader (Owner(s))	Title	Date	Place	Size of audience	Countries addressed
Communication	IMR	"Mannen og	26/12/2017	Local	5000	Norway
campaign (e.g		havet" (The		newspaper		
radio, TV).		man and the		"Bladet		
Newspaper interview		sea)		Tysnes"		
Video/film	MPG	Dem	30/03/2018	MDR	5000	Germany
		Klimawandel				
		auf der Spur				
Video/film	AU	Video from	06/06/2019	INTAROS web	100	
		Lauge Koch		site		
		field work in				
		East				
		Greenland				
Communication	MPG	ZDF	09/08/2019	https://www.zdf	n.a.	
campaign (e.g		Auslandsjourn		.de/politik/ausl		
radio, TV)		al:		andsjournal-		
		Auswirkungen		extra/auslandsj		
		des		ournal-extra-		
		Klimawandels		vom-09-08-		
		in Sibirien		2019-100.html		
Web-site	MPG	Hier zu	16/09/2019	https://www.nat	1000	Germany
		forschen ist		<u>ionalgeographi</u>		
		extrem		c.de/wissensch		
		herausfordernd		aft/2019/09/hie		
				r-zu-forschen-		
				ist-extrem-		
				<u>herausfordernd</u>		
Exhibition	NERSC	Sound in the	19/09/2019	Bergen	1000	Norway
		sea (in				



		Norwegian). Research Days (19-21 Sept)				
Non-scientific and non-peer reviewed publications (popularised publications)	CNRS	Le dégel du premafrost, une bombe climatique encore mal quantifiée/ thawing of permafrost, a climatic bomb that remains to be quantified	25/09/2019	France	n.a.	France, Canada, pan- Arctic countries
Non-scientific and non-peer reviewed publications (popularised publications)	IMR	Urovekkende stigning på havnivået. Interview with newspaper Bergens Tidende about IPCC SROCC	25/09/2019	Bergen, Norway	n.a.	Norway
Communication campaign (e.g radio, TV)	IMR	Interview Geir Ottersen about IPCC SROCC on NRK Dagsrevyen (main TV news broadcast)	25/09/2019	Norway	500000	Norway
Web-site	IMR	Interview on IPCC SROCC on aftenposten.no Dette skremte nordmannen som var med på å skrive FNs	01/10/2019	Norway	20000	Norway



		klimarapport.				
Participation to	CNRS	Le pergélisol	15/11/2019	Budapest	n.a.	Canada
a conference		arctique: un				
		amplificateur				
		du				
		changement				
		climatique et				
		des risques				
		associés				
Participation to	CNRS	Notre Planète	24/10/2019	Musée des	n.a.	France,
a conference		aujourd'hui,		confluences,		Canada
		demain et		Lyon, France		
		après-demain				
Communication	UPM	Snapshots of	22/11/2019	Onda Cero,	100000	Spain,
campaign (e.g		atmospheric		Madrid, Spain		
radio, TV)		gases from				
		Antarctic Ice				
14/ 1		cores (Part I)				
Web-site	IMR	Interview on	29/11/2019	https://www.aft	20000	Norway
		IPCC SROCC		enposten.no/ve		
		on		rden/i/701x29/f		
		aftenposten.no		orklart-paa-35-		
		: Derfor stiger havet! Forklart		sekunder-		
				derfor-stiger-		
		på 35 sekunder		<u>havet</u>		
Communication	UPM	Snapshots of	29/11/2019	Onda Cero,	100000	Spain,
campaign (e.g	UPIVI	atmospheric	29/11/2019	Madrid, Spain	100000	Spairi,
radio, TV)		gases from		Mauriu, Spairi		
radio, rv)		Antarctic Ice				
		cores (Part II)				
Communication	CNRS	What's hiding	09/01/2020	France	n.a.	France,
campaign (e.g	0.110	under the	00/01/2020	i idiloc	π.α.	Canada,
radio, TV)		melting ice				Janaau,
Press release	MPG	Das Potenzial	01/02/2020	Greenpeace	10000	Germany,
	•	fuer	3.,0=,=0=0	Magazin		Austria,
		dramatische		3		Switzerland,
		Veraenderung				,



		on im				
		en im				
		Permafrost ist				
		da				
Non-scientific	NORDECO,	Shortening the	26/08/2020		500	
and non-peer	GINR, UAF	Time from				
reviewed		Observing to				
publications		Decision-				
(popularised		making in the				
publications)		Arctic, Popular				
		articles in				
		"Shared				
		Voices", by				
		Olivia Lee et				
		al.				
Communication	GEUS	Danmarks	30/08/2020	Denmark	700000	Denmark
campaign (e.g		Radio "21				
radio, TV)		Søndag"				
•		(national news)				
Web-site	NERSC	Float Your	15/09/2020	Norway, US	100500	Norway, US,
		Boat - website		-		Global
		for school				
		students.				
		floatboat.nersc.				
		no				
Video/film	NERSC	Float Yuor	15/09/2020	On YouTube	100000	Norway, US,
		Boat- Join				Global
		Arctic				
		research! (In				
		Norwegian)				
		https://youtu.be				
		/zmRgv4cYmS				
		g				
Non-scientific	DTU	Berlingske: Ny	14/10/2020	Denmark	50000	Denmark
and non-peer		forskning: I takt	-			
reviewed		med at				
publications		Grønland taber				
(popularised		is, hæver det				
publications)		danske				
Pasiloations)		Gariono				



		grundfjeld sig				
Communication	DTU	P1 Orientering:	19/10/2020	Denmark	50000	Denmark
campaign (e.g		Danmark løfter				
radio, TV)		sig når Arktis				
		smelter				
Communication	UiB	Interview on	24/11/2020	Podcast	250000	Ireland and UK
campaign (e.g		RTE (Ireland's				
radio, TV)		National				
		Television and				
		Radio				
		Broadcaster -				
		Let's Dive In				
		podcast)				

3.2 Dissemination towards Policy Makers, Industry, General Public and/ or Scientific Community

Type of activities	Main leader (Owner(s))	Title	Date	Place	Size of audience	Countries addressed
Video/film	MPG	The Ambarchik site Permafrost research at the Siberian Arctic coast	: 29/01/2018	https://youtu.be/Z hGcJnRgzy4	n.a.	
Participation to a conference	IO PAN	Ocean Dynamics in the Key Regions of North Atlantic-Arctic Exchanges		EGU2018, Vienna	500	All European countries, US, Canada, Japan, China
Participation to a workshop	USFD	Reconciling historical and contemporary trends in terrestrial carbon exchange of the northern permafrost-zone		Santa Barbara, CA, USA	30	United States, United Kingdom, Germany, Canada
Participation to an event other	GFZ	Parlamentary evening, Parliamen	26/04/2018	Landtag Brandenburg	50	Germany



than a conference or workshop		of the State of Brandenburg, Germany				
Public lecture, community café	UiB	Natural Hazards in the Arctic	06/12/2018	UAK research school, Longyearbyen, Svalbard	55	Norway ++
Participation to a conference	IMR	Geir Ottersen Talk for ConocoPhillips April Seminar	02/04/2019	Tananger, Norway	35	
Participation to a conference	IO PAN	Enhancement of in situ observing systems in the Arctic under the H2020 INTAROS project (Poster by Beszczynska-Möller et al.)	09/04/2019	Conference EGU2019, Vienna, Austria	230	Norway, Germany, US, Canada, Japan, China, Poland, Italy, Sweden, Denmark, Iceland, UK, France, Faroe Islands, Netherlands
Organisation of a workshop	NERSC	Platforms and technologies for Arctic Ocean Observing Systems	29/04/2019	Bergen	40	Norway, USA, Canada, Global
Exhibition	EUROCEAN	European Maritime Day 2019 (R. Higgins)	07/06/2019	Lisbon, Portugal	1350	Portugal,
Participation to a workshop	IMR	G. Ottersen talk at a Nordic Ocean and Climate workshop - IPCC's Special Report on the Ocean and Cryosphere in a Changing Climate and examples of earlier key finding	13/05/2019	Oslo, Norway	20	Norway, Sweden, Denmark, Finland, Faroes
Participation to a conference	UPM	Glacier Thickness Database (GlaThiDa) Version 3.0	08/07/2019	Stanford, CA, USA	110	United States,



	NERSC, UiB, AWI, IO PAN, UNIS, NIVA, CNRS	Enhancement of ocean and sea ice in situ observations in the Arctic under the Horizon2020 project INTAROS. Poster OTN-19 presented at the session Observing Technologies & Networks	20/09/2019		1020	global
Participation to a conference	ARMINES	XIVème Journées de Géostatistique - RGeostats dans "les nuages" - Application au projet INTAROS	20/09/2019	Fontainebleau (MINES ParisTech)	40	France, Metropolitan,
Participation to an event other than a conference or workshop	EUROGOOS	International Ice Charting Working Group	25/09/2019	Copenhagen	n.a.	Europe, USA, Canada, Russia, Agentina, Australia, South Africa
Participation to a conference	IMR	Arctic Circle: Talk on Rising temperatures and melting ice: Challenges and possible responses to changes in Arctic marine ecosystems and fisheries.	11/10/2019	Reykjavik, Iceland	100	Arctic countries ++
Participation to a workshop	IMR	IPCC Special Report on the Ocean and Cryosphere in a Changing Climate: Main findings, present impacts and future risks. Presentation for Norway's oil fund	17/10/2019	Oslo. Norway	10	World-wide



Participation to a conference	IMR	Presentation at Klimamarin conference: Hovedfunn fra FNs klimapanels spesialrapport om hav og islagte områder.	12/11/2019	Trondheim, Norway	100	Norway
Participation to a conference	NERSC	Mapping Arctic Observing Systems and In Situ Data Collections (Poster at Poiar Data Forum III) (F.Monsen, H, Sagen, T. I. Olaussen, R, Pirazzini, T. Hamre)	18/11/2019		n.a.	
Participation to a conference	UPM	Global and regional response of glaciers to climate warming and impact on sea- level rise (Conferencia y discusión en COP 25, 2019, Francisco Navarro, UPM)	03/12/2019	Madrid, Spain	25	Global
Participation to a conference	UPM	Past ice sheet dynamics, lessons for the future (Carlota Escutia, IACT, CSIC-UGR) y Southern Ocean and ocean-ice sheet interactions (José Abel Flores, USAL), seguidas de mesa redonda con la participación de los conferenciantes y Francisco Navarro (UPM). (Conferencia y	04/12/2019	Madrid, Spain	25	Global



		discusión en COP 25, 2019)				
	NERSC	A Standards-based Data Catalogue for an Integrated Arctic Observation System (Poster at Polar Data Forum III) (T.Hamre, F.Monsen, M.J.Stette, H.Sagen)	18/11/2019		n.a.	
Participation to a conference	UiB, GEUS	Cryoseismological recordings in West- Greenland, from permanent and community based seismic stations	11/12/2019	AGU Fall meeting, San Francisco, USA	20000	Global
Participation to an event other than a conference or workshop	IMR	Talk at annual meeting of Marine Stewardship Council, Norway (in Norwegian): Ny havrapport fra FNs klimapanel: Klimaendringer og konsekvenser for fisk, fiskerier og havbruk	02/03/2020	Oslo, Norway	65	Norway, Sweden
Participation to a conference	MISU	Synthesis of gap analysis and exploitation of the existing Arctic observing systems	01/04/2020	Internet	30	International
Participation to a conference	NERSC	Mapping Arctic Observing Systems and In Situ Data Collections	07/05/2020	EGU 2020 (online)	60	
Non-scientific and non-peer reviewed	IMR	Environmental status report for the Barents Sea 2020.	18/05/2020		220	Norway, Russian Federation,



publications (popularised publications)		Report from the observation group. A. Jelmert et al.				
Web-site	NORDECO	Website establishment, UArctic Thematic Network on Collaborative Resource Management	04/06/2020	The website of UArctic	130	
Non-scientific and non-peer reviewed publications (popularised publications)	NORDECO	Presentation on co- management and community-based monitoring in the Arctic, UArctic Assembly 2020	10/06/2020	Copenhagen	100	
Training	NORDECO	Course on Collaborative Resource Management, course plan, reading materials, course program, lectures and exercises	05/08/2020		26	
Training	IMR	Impacts of climate change on marine ecosystems Lecture at BIO 4331, IBV, University of Oslo.	27/08/2020	Oslo, Norway	25	Norway
Non-scientific and non-peer reviewed publications (popularised publications)	NORDECO	Lessons learnt from developing a web- library of Community Based Monitoring Manuals and Experiences, Presentation at the European Citizen Science Conference 2020	15/09/2020	Virtual	170	
Participation to a	CNRS	Underwater	12/10/2020	BREST FRANCE	n.a.	France, Canada,



conference		soundscape in Kongsfjorden within the context of increasing tourism boats. Delphine Mathias, Gaëtan Richard, Julien Bonnel, Erwan Amice and Laurent Chauvaud. Oral presentation at Sea Tech Week Virtual Conference, Brest, France, October 2020.		(virtual conf)		Australia,
Non-scientific and non-peer reviewed publications (popularised publications)	DTU	Videnskab.dk: Nordpolens afsmeltning hæver jorden under danskernes fødder	15/10/2020		25000	
Participation to a workshop	MISU	CENTRAL ARCTIC ATMOSPHERE OBSERVATIONS	22/10/2020	Monaco (virtual)	51	
Participation to a conference	MPG	NASA/ESA CH4 challenge: In situ observation of methane signals in the Arctic: Challenges, current network coverage, and future perspectives	27/10/2020	virtual meeting	n.a.	international
Participation to a conference	UiB, GEUS, NORDECO	A Multidisciplinary Approach to Landslide Monitoring in the Arctic – Case Study of the June 17th 2017 Landslide at Karrat, West Greenland	28/10/2020	ESA 2020 European Polar Science Week, Virtual Event	n.a.	



Organisation of a workshop	NORDECO	EO4 "Grand Challenges" in Science, Session on Cross-Weaving Knowledge	28/10/2020	Virtual (original venue: Copenhagen)	60	
Non-scientific and non-peer reviewed publications (popularised publications)	IMR	Note to INTAROS' stakeholders in Norway: Barentshavet analysert med økosystem-modeller basert på observerte indikatorer; benyttes de beste indikatorene og er omfanget av datainnhenting optimalt?	03/11/2020	Bergen, Norway	35	Norway
Organisation of a workshop	IMR	Workshop with Barents Sea stakeholders (management and industry)	17/11/2020	Norway - virtual by Teams	30	Norway
Organisation of a workshop	NORDECO	Proceedings of the Experience Exchange Workshop in Japan, Collaborative Resource Management and Community Based Monitoring in the Arctic	25/11/2020	Hokkaido University, Sapporo, Japan	25	
Other	USFD	Outreach Special issue on ERL	25/11/2020		2000	



3.3 Brochure for INTAROS



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INTAROS

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Project partners:



































































































