

# HORIZON 2020

# **Research and Innovation action**

# Grant Agreement No. 730965



**ARICE: Arctic Research Icebreaker Consortium:** 

A strategy for meeting the needs for marine-based research in the Arctic

**Deliverable 8.12** Progress report on dissemination activities

# Submission of Deliverable

Work Package	WP8		
Deliverable no. & title	D8.12 Progress report on dissemination activities		
Version	V1		
Creation Date	01.12.2022		
Last change	30.01.2023		
Status	Draft Draft		
	WP lead accepted		
	Executive Board accepted		
Dissemination level	PU-Public		
	PP- Restricted to programme partners		
	RE- Restricted to a group specified by the consortium		
	CO- Confidential, only for members of the consortium		
Lead Beneficiary	AWI		
Contributors	🗌 1 – AWI, 🔄 2 – SPRS, 🔄 3 - NPI, 🔄 4 - ULAVAL,		
	5 – UAF/CFOS, 🦳 6 – AP, 🗌 7 – CSIC-UTM, 🗌 8 – CNR,		
	9 - WOC, 10 – IOPAN, 11 – FMI, 12 - CNRS,		
	🗌 13 – NERC-BAS, 🔄 14 – DTU-AQUA, 📃 15 – ARCTIA		
Autors	Franziska Pausch, Verónica Willmott, Joelina Delphin		
Due date	31.12.2022		
Delivery date	30.01.2023		

## Table of Contents

1.	Intr	oduction	3
2.	Dis	semination activities at conferences and events	3
3.	Onl	ine outreach	6
	3.1.	The ARICE webpage	6
	3.2.	Social Media	10
	3.3.	ARICE Newsletter	15
	3.4.	Online outreach from partners	17
4.	Pre	ss	20
5.	AN	NEX I	22

## 1. Introduction

ARICE is a research infrastructure project with a focus on transnational access to research icebreakers, networking activities, and joint research activities. Thus, ARICE's activities relay in an active cooperation with stakeholders as well as a regular dissemination of relevant information and results from the onset on.

The primary communication and engagement goals fall into three broad areas:

• Corporate communication, which is set to generate a global visibility for ARICE;

• Internal communication, which aims at facilitating an effective interaction among participant institutions;

• External communication, which enables engagement activities with stakeholders, the media and the public.

This progress report on dissemination activities reports on activities that took place from 01.01.2021 to 31.12.2022. It looks at dissemination activities at conferences and events, online outreach (including the ARICE website, social media channels and email newsletter), media relations and outreach materials.

## 2. Dissemination activities at conferences and events

Over the past two years, the ARICE consortium members have been actively engaged in promoting the project's work at 37 national, European and international conferences and workshops, which have mainly taken place online due to the COVID-19 pandemics (for a full list, see Annex I).

The consortium members have, in addition to presenting the objectives and advances of ARICE at external events, distributing promotional materials and representing the project at panel discussions, also organised sessions and workshops at or associated to a range of conferences, which were targeted mainly at stakeholders.

Dissemination activities such as workshops, conference sessions and events organised or co-organised by ARICE, are listed below:

Name of event	Date	Location	Audience			
2020 Polar Science Week	2630.10.2020	Online	Key scientists and stakeholders of Polar Science			
Activity:						
SEA-ICE, Calibration and	Validation session					
Aim:	Aim:					
Infrastructures in the Arctic, need for calibration of remote sensing data						
ARICE Participants at the event and their role						
Verónica Willmott (AWI	Verónica Willmott (AWI) –					
Nicole Biebow (AWI) –	Nicole Biebow (AWI) –					
Karen Edelvang (DTU-AQUA) –						
Patrizio Mariani (DTU-A	Patrizio Mariani (DTU-AQUA) –					
Colin Stedmon (DTU-AQUA) –						

Name of event	Date	Location	Audience			
Sustainable Ocean Summit 2020 https://www.oceancoun cil.org/event/sustainabl e-ocean-summit-2020/	15.12.2020	Online	Industry representatives			
Activity:         Workshop: Industry-Science Cooperation for Safe and Sustainable Arctic Operations         Aim of the workshop:         Industry-science collaboration						
ARICE Participants at the		e				
Christine Valentin (WOC) – Mikko Lensu (FMI) – Patrizio Mariani (DTU-AQUA) – Mikko Lensu (FMI) –						

Name of event	Date	Location	Audience		
Arctic Science Summit Week 2021 (ASSW) https://assw2021.pt/	23.03.2021	online	Users and operators of Arctic infrastructure platforms		
Activity: Workshop on International Access to Research Infrastructure in the Arctic: A series of presentations and interactive break-out sessions to identify major challenges, best practices, and next steps for matching scientists and infrastructure, providing international access, and sharing knowledge. A workshop report highlighting major challenges, best practices, and next steps/recommendations.					
Aim of the workshop: Initiating dialogue and developing networks that facilitate access for international scientists to national research facilities and infrastructure in the Arctic (also referred to as "transnational" or "cross-border" access): Identifying challenges, best practices, and next steps.					

ARICE Participants at the event and their role				
Nicole Biebow (AWI) – organiser				
Verónica Willmott (AWI) – organiser				
Franziska Pausch (AWI) – organiser				
Josefine Lenz (AWI) – organiser				
Monika Kędra (IOPAN) – attendee				
Stig Flått (NPI) – organiser				
Mats Granskog (NPI) – organiser /moderator				
Arild Sundfjord (NPI) – organiser /moderator				
Justiina Dahl (SPRS) – organiser				

Name of event	Date	Location	Audience				
Launch ARICE 3D icebreaker	17.07.2022	Hybrid (Bologna. IT/online)	Polar scientists				
Activity:	Activity:						
Aim of the workshop: Presentation of the 3D icebreaker developed for ARICE							
ARICE Participants at the event and their role							
Verónica Willmott – moderator							
Nicole Biebow (AWI) – presenter							
Vito Vitale (CNR) – organiser /presenter							

Name of event	Date	Location	Audience			
SMM Hamburg (Shipbuilding, Machinery and Marine Technology trade fair)	6-9.09.2022	Hamburg, Germany	Maritime industry			
Activity:		•				
Presentation & booth						
Aim of the workshop:						
Cooperation with industry	Cooperation with industry					
ARICE Participants at the event and their role						
Nicole Biebow (AWI) –						
Christine Valentin (WOC) –						
Maeva Cabanel (WOC) –	Maeva Cabanel (WOC) –					

Name of event	Date	Location	Audience			
The future of research infrastructure in the Arctic	27.10.2022	Brussels, Belgium	Experts from science, policymaking, industry, and infrastructure organizations			
Activity: Talks and Panel Discussion						
Aim of the workshop:						

In cooperation with INTERACT, FARO, and the EPB, to discuss the future of research infrastructures, challenges and perspectives

- ARICE Participants at the event and their role Nicole Biebow (AWI) – organiser /presenter Verónica Willmott (AWI) – organiser /presenter Franziska Pausch (AWI) – organiser Agnieszka Beszczyńska-Möller (IOPAN) – attendee Mats Granskog (NPI) – organiser Arild Sundfjord (NPI) – organiser /presenter Anna-Maria Perttu (SPRS) – organiser Vito Vitale (CNR) – attendee Karen Edelvang (DTU-AQUA) – presenter
  - 3. Online outreach
  - 3.1. The ARICE webpage

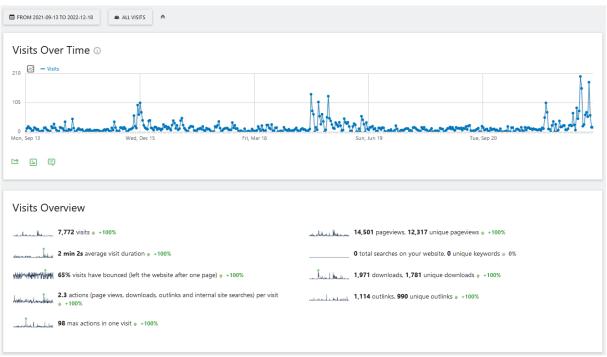
https://arice-h2020.eu/

Analytics – time-period 13 Sept 2021 – 18 December 2022

- 7,772 individual user
- 1,971 downloads, 1,781 unique downloads
- 14,501 pageviews, 12,317 unique pageviews

### Audience overview:

The new website was launched on 13 September 2021 in replacement to the website <u>www.arice.eu</u>. The audience overview shows how many visitors or users visit the website during a certain period (Figure 1). The timeline shows the number of visitors per day, with the two highest numbers being 199 visitors on 8 December and 178 on 15 December 2022. The third to fifth highest values were in May 2022 with 135, 128 and 107 on 3, 17 and 9 May respectively. These dates are coincident with call announcements from the Ships and Platforms of opportunity programme.



*Figure 1: Overview of visits of the ARICE website in the period 13 September 2021 (launch of the new website) until 18 December 2022.* 

Most of the visits are coming from the United States 18.4%, Germany 12.3%, France 11.6% as well as from Italy and United Kingdom 5.8%, respectively (Figure 2). The ARICE website was visited from 118 distinct countries.

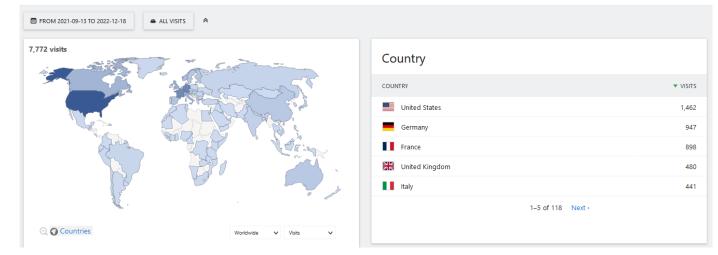


Figure 2: Overview of visits of the ARICE website per country.

### Acquisition

Most visitors access the website directly (62%), 20% visitors accessed the website from search engines, 6% through social media and campaigns, respectively.

➡ ALL VISITS						
Evolution over the period						
Channel Type						
4,849 direct entries, 62% of visits + +100%	382 from websites, 5% of visits + +100%					
1,545 from search engines, 20% of visits + +100%	<b>445</b> from social networks, <b>6%</b> of visits $_{\oplus}$ +100%					
<b>558</b> from campaigns, <b>7%</b> of visits + 100%	11 distinct search engines + 100%					
Juli Juli 3 distinct social networks + +100%	71 distinct websites * +100%					
<b>5</b> distinct keywords +100%	ska saðk 12 distinct campaigns ⊕ +100%					

*Figure 3: Evolution of visits originating from direct access, search engines, social media, and campaigns.* 

### Browsers & OS:

The most frequent browser used for the webpage is Chrome with 50.7%, then Firefox with 15.6% and Safari with 7.8% (Figure 4).

FROM 2021-09-13 TO 2022-12-18			
Operating System versions		Browsers	
OPERATING SYSTEM VERSION	▼ VISITS	BROWSER	▼ VISITS
Windows 10	✓ 58.4% 4,544	📀 Chrome 📃 🗠	50.7% <b>3,947</b>
🛃 Mac 10.15	11.6% <b>902</b>	😻 Firefox	15.6% 1,215
Windows 7	3.4% 264	🤕 Safari	7.8% 603
∆ GNU/Linux	3.2% <b>250</b>	C Microsoft Edge	6.5% <b>506</b>
👗 Android 11	1.9% <b>148</b>	🧭 Mobile Safari	5.8% 451
Android 10	1.7% <b>136</b>	O Chrome Mobile	4.4% 343
**** iOS 15.4	1.5% <b>118</b>	Facebook	1.8% 143
📓 Mac 10.14	1.5% <b>116</b>	LinkedIn	1.1% 84
Android 12	1.2% <b>96</b>	O Chrome Mobile iOS	0.9% 68
ios ios 15.1	1.2% <b>94</b>	Samsung Browser	0.8% 63
1–10 of 87 Next >		1–10 of 44 Next >	
🧔 🛅 🖻 Q Related report: Operating System families	10 👻	🇿 🗐 🗠 Q Related report: Browser version	10 👻

*Figure 4: Overview of operating system versions and browsers used by visitors of the ARICE website.* 

Most of the visitors (82.2%) accessed the webpage by using a desktop computer, 15.5% visited the website from their smartphone, 1.6% phablet and 0.5% by tablet (Figure 5).

FROM 2021-09-13 TO 2022-12-18		
Device type		
туре		▼ VISITS
Desktop	₫~	82.2% <b>6,394</b>
Smartphone		15.5% <b>1,204</b>
Phablet		1.6% 122
Tablet		0.5% 41
Unknown		0.2% 17
📓 Feature phone		0% 1
Camera		0% -
🖨 Car browser		0% -
Console		0% -
Peripheral		0% -
1–10 of 15 Next >		
O 🗉 🗠		10 🔻

*Figure 5: Overview of device types used by visitors to access the ARICE website.* 

#### **Behaviour Overview:**

The most page views during this period were on the front page followed by the science and industry cooperation page with 19.4% (Figure 6). Interestingly, the pages about the science-industry cooperation, including the information on the calls for ship time opened in cooperation with the company Ponant, were very poular.

🛱 FROM 2021-09-13 TO 2022-12-18 🗰 ALL VISITS 😤						
Pages						
PAGE URL	PAGEVIEWS	VINQUE PAGEVIEWS	BOUNCE RATE	AVG, TIME ON PAGE	EXIT RATE	AVG. PAGE LOAD TIME
♂ /index	🔀 🏳 🖪 🛈 🚧 22.3% 3,235	2,669	56%	00:00:38	60%	6.62s
	19.4% <b>2,820</b>	2,476	72%	00:01:23	86%	10.73s
🗄 about	14% 2,029	1,754	57%	00:00:57	40%	3.2s
🗄 arice-ponant-call-antarctic-2023-2024-now-open	4.9% 717	666	78%	00:00:33	77%	6.38s
$\oplus$ ships-and-platforms-of-opportunity-call-antarctic-2023-2024	5.2% <b>74</b> 7	630	75%	00:02:04	92%	5.11s
⊕ arice-cruises	5.3% <b>767</b>	621	56%	00:00:56	33%	2.75s
🕀 data-tools	3.7% 532	405	76%	00:01:47	82%	5.94s
🕀 training	3.2% <b>463</b>	391	59%	00:01:13	52%	3.82s
🕀 vessels	2.1% <b>299</b>	266	54%	00:00:55	71%	7.4s
🕀 news	2% <b>291</b>	244	77%	00:00:27	37%	3.13s

### © ARICE Consortium

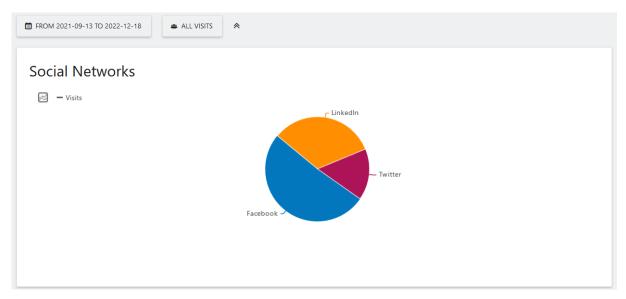
30/01/2023

Figure 6: Overview of page views on the ARICE website

### 3.2. Social Media

### Page views from Social Networks:

During this period, the ARICE website was visited 299 times from our social media accounts on Facebook (51%) and Twitter (16%) (Figure 7). Interestingly, 146 visits (33%) originated from LinkedIn where ARICE doesn't have an own account. This indicates that this platform seems valuable to reach a relevant audience for the project and it will be considered to create a LinkedIn account for future projects.



*Figure 7: Overview of visitors of the ARICE website originating from the social media networks Facebook, Twitter and LinkedIn.* 

### Facebook page created in February 2018 with the name ARICE EU

The most page views during this period were for applications for ship time with 5,171. This is an increase of 155.13% since the last reporting period.

Due to the Covid-19 pandemic, dissemination activities were extensively reduced in 2020 (see Figure 8). Nevertheless, in the current reporting period, beginning on 1<sup>st</sup> of January 2020, the ARICE EU Facebook page reached a total of 1,915 people, had 477 page visits, and gained 125 new likes (see Figure 8). Over 110 posts were created during this reporting period.

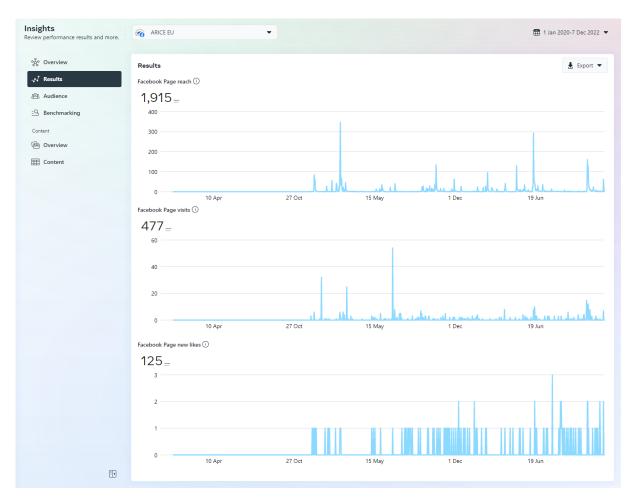


Figure 8: Results of ARICE EU Facebook page during the reporting period 01-01-2020 to 07-12-2022

The top towns/cities and top countries of the ARICE EU Facebook page audience indicate that many relevent areas for polar research, such as Tromsø in Norway, Santiago in Chile, the US, Italy, and Canada, are reached by the page (see Figure 9).

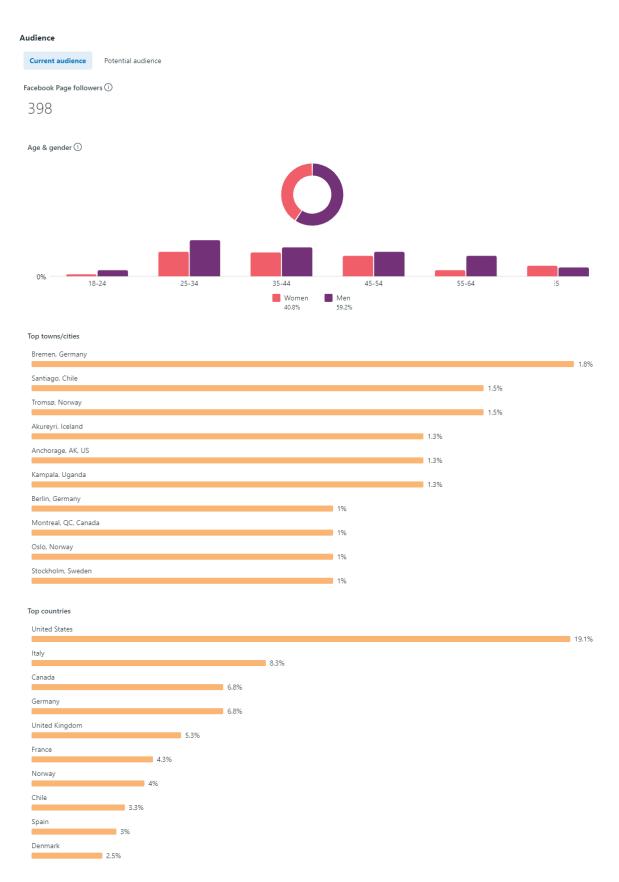


Figure 9: Audience analytics for the period 07-11-2019 to 06-12-2022

### Twitter account created in February 2018 with the name ARICE EU (@Arice\_Eu)

The Twitter account currently has 350 followers (see Figure 10), which indicates a follower increase of around 88 % since the last reporting period. Around 150 Tweets were posted since the last reporting period.

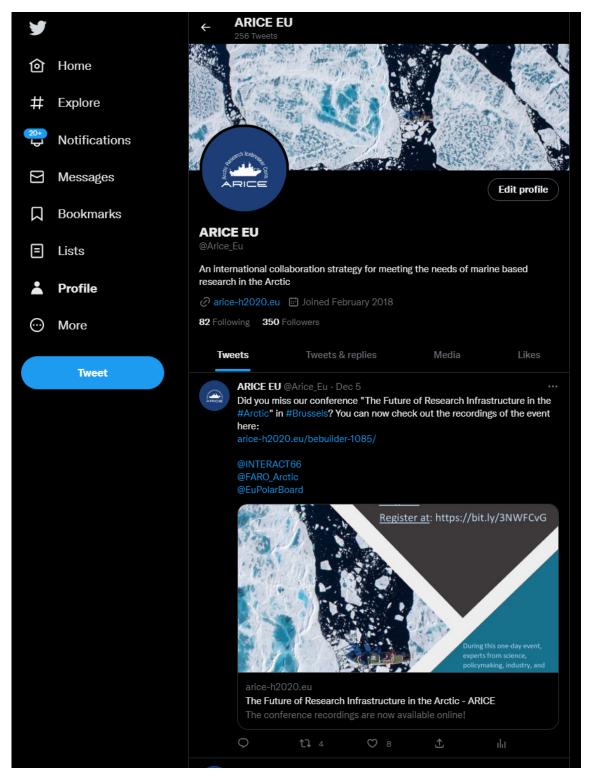


Figure 10: Screenshot ARICE EU Twitter account

Due to the Covid-19 pandemic, dissemination activities overall and specifically on Twitter were extensively reduced in 2020. The analytics for Tweet activity during the last two months of the current reporting period show that Tweets posted during that time earned a total of 4,200 impressions (see Figure 11), i.e., number of times users saw a Tweet. It further indicates that Tweets are most frequently seen the day a Tweet is posted and up to two days after (see Figure 11). Users tend to engage with Tweets by liking them (49 likes during the last two months) or retweeting them (26 Retweets during the last two months) (see Figure 11).

	activity								🖽 Oct	7 – Dec 7, 2022 🗸 🖄 Export data
ur Twee	ets earned	4.2K in	npre	ssions o	over this 6	2 day perio	d			
									2.0K	YOUR TWEETS During this 62 day period, you earned impressions per day.
									1.0K	
									2	
Oct 9	Oct 16	Oct 23		Oct 30	Nov 6	Nov 13	Nov 20	Nov 27	1 Dec 4	
weets	Fop Tweets	Tweets and	replie	s Promot	ed	Impressions	Engage	ements	Engagement rate	Engagements Showing 62 days with daily frequency
Did y Infra chec arice @IN @FA	CE EU @Arice_ you miss our astructure in the ck out the rec e-h2020.eu/bo ITERAC T66 ARO_Arctic uPolarBoard	conference he #Arctic" i ordings of th ebuilder-108	in # <mark>Brı</mark> ıe ever	ussels? You		379		21	5.5%	Engagement rate 1.3% 0.0% engagement r
View	CE EU @Arice_ d in your ship	Eu · Nov 16 -time propos				176		11	6.2%	Link clicks 19 0 link cli
Furt	#Antarctic 20 ther information e-h2020.eu/slow Tweet activity	n under:		ant_cruises	;					On average, you earned <b>0 link clicks</b> per day
		Eu · Nov 9	IT	for ship-time	e proposals	87		9	10.3%	Retweets without comments 26 Det 0 Retweets without comme
View ARIO NOV ANT arice	CE EU @Arice_ W OPEN!! AR FARCTIC-202 e-h2020.eu/so Tweet activity	ICE-PONAN 3-2024								
View ARIC NOV ANT arice View ARIC Our the # pres	W OPEN!! AR FARCTIC-202 e-h2020.eu/so	ICE-PONAN 3-2024 cience-indus Eu · Oct 28 he Future of a great succ anelists and	f Researcess! T to all c	hank you to	all of our	1,317		77	5.8%	On average, you earned 0 Retweets without comments per day

Figure 11: Tweet activity analytics for the period 07-10-2022 to 07-12-2022

### 3.3. ARICE Newsletter

The newsletter was distributed to the newsletter subscribers in the ARICE webpage. Apart from that, the newsletter was promoted through other ARICE channels.

In the last two years, thirteen newsletters were sent directly to the subscribers.

Below an example of newsletter sent on the 5<sup>th</sup> of December 2023.



### **ARICE Latest News**

The Future of Research Infrastructure in the Arctic
The conference recordings are now
The Future of Research



ARICE-PONANT call Antarctic 2023-2024 - Now open!



In the frame of ARICE's Ships and Platforms of Opportunity Programme and in cooperation with the company PONANT, we have opened a new call for ship time proposals to access the Polar Expedition Ship "Le Commandant Charcot" in the Southern Ocean in the Antarctic season 2023 - 2024 and beyond. Proposals are welcome to carry out research activities within any ...

Read more

Figure

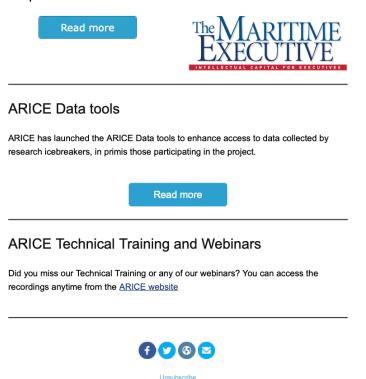
The future of research infrastructure in the Arctic



International access to research infrastructure in the Arctic



# Enhancing Voluntary Weather Observations From Ships in the Arctic



### 3.4. Online outreach from partners

AWI-www.awi.de - none

ARCTIA – https://www.arctia.fi/en/ - none

CNRS - https://www.cnrs.fr/en - none

### CONSIGLIO NAZIONALE DELLE RICERCHE - www.cnr.it

Event list (Istituto di Scienze Polari)

- Workshop on International Access to Research Infrastructure in the Arctic 23 March 2021 <u>https://www.isp.cnr.it/index.php/it/lista-archivio-eventi/item/454-workshop-on-</u> <u>international-access-to-research-infrastructure-in-the-arctic-23-march-2021</u>
- ARICE Online Technical Training Programme March/April 2021 <u>https://www.isp.cnr.it/index.php/it/lista-archivio-eventi/item/457-arice-online-technical-</u> <u>training-programme-march-april-2021</u>

CSIC -https://www.csic.es/en - none

DTU – www.dtu.dk - none

### FINNISH METEROLOGICAL INSTITUTE - https://en.ilmatieteenlaitos.fi/

- News / Researchers participated in the last leg of the MOSAiC expedition Operated drones in extreme conditions (9.11.2020) https://en.ilmatieteenlaitos.fi/news/jToghWQphFIAXak9PRvbw
- News / Interdisciplinary results of MOSAiC drift published (11.2.2022) <u>https://en.ilmatieteenlaitos.fi/news/7mhweYQvRQd1oNkxgsUI9m</u>

IOPAN – www.iopan.gda.pl - none

NORSK POLARINSTITUTE – none

### SWEDISH POLAR RESEARCH SECRETARIAT – www.polar.se - none

- Information on the ARICE project <u>https://www.polar.se/om-sekretariatet/internationella-naetverk/</u> (in Swedish)
- Twitter posts on Ponat call <u>https://twitter.com/polarforskning/status/1470340558342307840</u> (13 December 2021, in Swedish) <u>https://twitter.com/polarforskning/status/1521465004658151425</u> (3 May 2022, in English)
- Twitter post on Online Technical Training (26 Februar 2021) https://twitter.com/polarforskning/status/1365231079733547013

### UNIVERSITÉ LAVAL - https://www.ulaval.ca/en - none

### UAF – www.uaf.edu

- Publication: Sikuliaq flyer (2021)
   <u>https://uaf.edu/cfos/files/about-us/publications/cfos-sikuliaq-flyer-2022-06.pdf</u>
- Publication: Sikuliaq flyer (2020) <u>https://www.uaf.edu/cfos/files/about-us/publications/sikuliaq-flyer-feb-2021.pdf</u>
- Publication: Sikuliaq flyer (2019)
   <u>https://uaf.edu/cfos/files/about-us/publications/sikuliaq-flyer-jan-2020.pdf</u>
- College of Fisheries and Ocean Sciences, University of Alaska Fairbanks, Annual Report 2019 <u>https://uaf.edu/cfos/files/about-us/publications/cfos-2019-annual-report.pdf</u>

### WORLD OCEAN COUNCIL – www.oceancouncil.org

- "From Icebreakers into Classrooms Opportunities for Educators and Scientists": APECS-ARICE Webinar – 1 May 2020" <u>https://www.oceancouncil.org/media/from-icebreakers-into-classrooms-opportunities-for-</u> educators-and-scientists-apecs-arice-webinar-1-may-2020/
- "ARICE, The Ice and The Fish: An Arctic Expedition from Planning to First Results" APECS-ARICE Webinar – 19 May 2020

https://www.oceancouncil.org/media/arice-the-ice-and-the-fish-an-arctic-expedition-fromplanning-to-first-results-apecs-arice-webinar-19-may-2020/

- Northern Shipping Company (NSC) Joins World Ocean Council as First WOC Member from Russia – 2 September 2020 <u>https://www.oceancouncil.org/media/northern-shipping-company-nsc-joins-world-oceancouncil-as-first-woc-member-from-russia-2-september-2020/</u>
- ARICE Project Meeting: Industry-Science Cooperation for Safe and Sustainable Arctic Operations – 29 November 2020
- CALLING YOUNG (ARCTIC) OCEAN PROFESSIONALS: HELP DESIGN CAREER DEVELOPMENT WORKSHOPS – 26 January 2021 <u>https://www.oceancouncil.org/wp-content/uploads/2021/02/WOC\_News\_Release\_2021-01-26\_Young\_Arctic\_Ocean\_Professionals\_\_\_\_\_\_Seeking\_Your\_Input\_to\_Career\_Development\_Workshops-1.pdf</u>
- Newsletter: WOC SMART Ocean-SMART Industries Initiatives & Call for Artic Research Proposals – 22 December 2021
- <u>https://allaboutshipping.co.uk/2021/12/22/woc-smart-ocean-smart-industries-initiatives-call-for-artic-research-proposals/</u>
- OPPORTUNITIES FOR EU-FUNDED POLAR RESEARCH SKILL TRAINING 10 March 2022
- <u>https://www.oceancouncil.org/wp-content/uploads/2021/03/WOC-News-Release-2021-03-</u> <u>10-EU-funded-Arctic-Training-for-Young-Scientists.pdf</u>
- WOC Supports New PONANT-ARICE 2023 Call for Ship-Time Proposals for Arctic Research 12 May 2022
- Enhancing Voluntary Weather Observations From Ships in the Arctic -29 August 2022

- <u>https://maritime-executive.com/editorials/enhancing-voluntary-weather-observations-from-ships-in-the-arctic</u>
- WOC Europe and Polar Operations: Event At SMM Hamburg 2022 and Article Published in the *Maritime Executive 1 September 2022*
- World Ocean Council Encourages Applications to new ARICE-PONANT 2023-2024 Call for Ship-time Proposals for Polar Research 2 December 2022
- <u>https://allaboutshipping.co.uk/2022/12/02/arice-ponant-call-for-ship-time-proposals-for-polar-research/</u>

### APECS – www.apecs.is

- News / APECS-ARICE Webinar: "ARICE, the ice and the fish. An Arctic expedition from planning to first results" (8 May 2020)
- <u>https://apecs.is/news/apecs-news/4053-apecs-arice-webinar-arice-the-ice-and-the-fish-an-arctic-expedition-from-planning-to-first-results.html?highlight=WyJhcmljZSIsImFyaWNIJ3MiXQ</u>
- News / Online launch event for new 3D icebreaker visualisation platform developed by ARICE (14 June 2022)
- <u>https://apecs.is/news/polar-and-alpine-community-news/5045-online-launch-event-for-new-3d-icebreaker-visualisation-platform-developed-by-arice.html?highlight=WyJhcmljZSIsImFyaWNIJ3MiXQ</u>
- News / Register for APECS-ARICE webinar: DEARice in MOSAiC Connecting the world of snow, ice and ecosystem processes on 4 June (1 June 2021)
- <u>https://www.apecs.is/news/apecs-news/4605-register-for-apecs-arice-webinar-dearice-in-mosaic-connecting-the-world-of-snow-ice-and-ecosystem-processes-on-4-june.html?highlight=WyJhcmljZSIsImFyaWNIJ3MiXQ</u>
- News / APECS-ARICE Webinar: How to measure water exchange in the Fram Strait using novel tracers? (15 November 2021)
- <u>https://www.apecs.is/news/apecs-news/4832-apecs-arice-webinar-how-to-measure-water-exchange-in-the-fram-strait-using-novel-tracers.html?highlight=WyJhcmljZSIsImFyaWNIJ3MiXQ</u>
- News / APECS-ARICE Webinar: Tracing Permafrost Carbon across the Beaufort Shelf Satellites, water, microbes and mud (15 December 2021)
- <u>https://www.apecs.is/news/apecs-news/4867-apecs-arice-webinar-tracing-permafrost-carbon-across-the-beaufort-shelf-satellites-water-microbes-and-mud.html?highlight=WyJhcmljZSIsImFyaWNIJ3MiXQ</u>
- News / APECS-ARICE Soft Skills Webinar: Manuscript Preparation and Results Advertisement (15 March 2021)
- <u>https://www.apecs.is/news/apecs-news/4497-apecs-arice-soft-skills-webinar-manuscript-preparation-and-results-advertisement.html?highlight=WyJhcmljZSIsImFyaWNIJ3MiXQ</u>
- News / ARICE-PONANT call- Ships and platforms of opportunity programme (15 December 2021)
- <u>https://www.apecs.is/news/polar-and-alpine-community-news/4868-arice-ponant-call-ships-and-platforms-of-opportunity-programme.html?highlight=WyJhcmljZSIsImFyaWNIJ3MiXQ</u>
- News / APECS-ARICE Webinar: Are we losing a sink for atmospheric trace gases? Nitrous oxide in the Arctic marine ecosystem (11 February 2022)

© ARICE Consortium

30/01/2023

- <u>https://www.apecs.is/news/apecs-news/4923-apecs-arice-webinar-are-we-losing-a-sink-for-atmospheric-trace-gases-nitrous-oxide-in-the-arctic-marine-ecosystem.html?highlight=WyJhcmljZSIsImFyaWNIJ3MiXQ</u>
- News / APECS-ARICE: Online Technical Training (15 February 2021)
- <u>https://www.apecs.is/news/apecs-news/4435-apecs-arice-online-technical-</u> <u>training.html?highlight=WyJhcmljZSIsImFyaWNIJ3MiXQ</u>
- Event / Workshop on International Access to Research Infrastructure in the Arctic
- <u>https://www.apecs.is/component/jevents/event/1089/-</u> .html?Itemid=0&highlight=WyJhcmljZSIsImFyaWNIJ3MiXQ
- News / Breaking News: The APECS Directorate is moving... (13 October 2021)
- <u>https://www.apecs.is/news/apecs-news/4784-breaking-news-the-apecs-directorate-is-moving.html?highlight=WyJhcmljZSIsImFyaWNIJ3MiXQ</u>
- News / APECS International Directorate welcomes two new project officers (26 January 2021)
- <u>https://www.apecs.is/news/apecs-news/4399-apecs-international-directorate-welcomes-</u> <u>two-new-project-officers.html?highlight=WyJhcmljZSIsImFyaWNIJ3MiXQ</u>
- News / Welcome, APECS Project Officer Franziska! (15 February 2021)
- <u>https://www.apecs.is/news/apecs-news/4437-welcome-apecs-project-officer-</u> <u>franziska.html?highlight=WyJhcmljZSIsImFyaWNIJ3MiXQ</u>
- News / Workshop on International Access to Research Infrastructure in the Arctic at ASSW21 (8 March 2021)
- <u>https://www.apecs.is/news/apecs-news/4472-workshop-on-international-access-to-research-infrastructure-in-the-arctic-at-assw21.html?highlight=WyJhcmljZSIsImFyaWNIJ3MiXQ</u>
- News / APECS-ARICE Webinar: Arctic Ocean Ventilation ( 4 October 2021)
- <u>https://www.apecs.is/news/apecs-news/4770-apecs-arice-webinar-arctic-ocean-ventilation.html?highlight=WyJhcmljZSIsImFyaWNIJ3MiXQ</u>
- News / APECS-ARICE Webinar: Marine Fungi & Mineral Ballasting An Influence on Arctic Carbon Export? (13 October 2021)
- <u>https://www.apecs.is/news/apecs-news/4785-apecs-arice-webinar-marine-fungi-mineral-ballasting-an-influence-on-arctic-carbon-export.html?highlight=WyJhcmljZSIsImFyaWNIJ3MiXQ</u>

## 4. Press

### September 2022

Cruise Passenger

### Where Cruising Meets Science: Ponant's Luxe Icebreaker Doubles As A Science Lab

Researchers can apply for ship time via the scientific body ARICE (Arctic ... samples – not a problem in the bright, 24-hour light of the polar summer.

https://cruisepassenger.com.au/sustainable-cruising/ponant-icebreaker-science-lab/

Sept 2022

August 2022

The Maritime Executive

### Enhancing Voluntary Weather Observations From Ships in the Arctic

The Arctic Ocean is a hot spot in global climate change. The Arctic region has experienced three to four times more warming than the Earth on average.

https://maritime-executive.com/editorials/enhancing-voluntary-weather-observations-from-ships-in-the-arctic

29 Aug 2022

## May 2022

Marine & Océans

### Le Commandant Charcot accueille son premier colloque scientifique

C'est l'association européenne ARICE (Arctic Research Icebreaker Consortium), financée par la Commission européenne, qui pilote les premiers appels à...

https://marine-oceans.com/environnement/le-commandant-charcot-accueille-son-premier-colloque-scientifique/

3 May 2022

# Annex I: Participation in events, conferences and sessions

Title of event	Type of event	organisation of workshop/ses sion	Dissemination type (Poster, exhibition, presentation, etc)	Location	Date (year/month)	Attendee's affiliation	WP affiliation	objective of the participation in scope of the ARICE project	information material distributed	scientific community	industry	civil society	policy makers	media	indigenous peoples	other (specify)
Amundsen Planning Workshop	Workshop		Presentation	Online	2020/02	ULAVAL, AWI	WP8	Field expedition planning		60						
ARICE 3rd GA	Conference	yes		Online	2020/03	ALL	WP8	Project progress report		40	5		1			
2020 Polar Science Week - SEA-ICE, Calibration and Validation session	Conference	yes	presentation	Online	2020/10	AWI, DTU- Aqua	WP8	Infrastructures in the Arctic, need for calibration of remote sensing data		40			10			
ARICE Marine Facilities Planning meeting	webinar	webinar		Online	2020/11	AWI, SPRS, NPI,	WP1	organisation a meeting with the OLP to discuss ways of sharing cruise planning and other relevant information		15						
EMODNET - Launch Arctic Data Portal	Workshop		participation	Online	2020/11			Launch of the EMODNET Arctic Data portal		100						
Sustainable Ocean Summit 2020	Conference	Workshop: Industry- Science Cooperation for Safe and Sustainable Arctic Operations	presentation	online	2020/11	FMI, WOC, AWI, DTU- Aqua	WP6	Industry-science collaboration		10	30					
UNESCO Ocean Arctic Decade WG 5	Workshop	Development Arctic Ocean Development Plan		Online	2020/11	woc	WP2 /WP6			40	5		1			

EU Polar Cluster - Report meeting on the impact of COVID-19 on members of the EU Polar Cluster	dialogue	Online	2021/01	AWI	WP8	Report on COVID impact on EU Polar Cluster Projects	20	
INTAROS roadmap	virtual dialogue	Online	2021/02	AWI	WP8	Discuss the INTAROS roadmap and progress of ARICE	20	

ARICE 4th GA	Conference	yes	presentation	Online	2021/03	ALL	WP8	Project progress report	40	5	1	
ASSW2021 -Workshop on International Access to Research Infrastructure in the Arctic	Workshop	yes, together with FARO and INTERACT; - Workshop on International Access to Research Infrastructure in the Arctic	presentation	Online	2021/03	AWI, IOPAN, NPI, SPRS	WP1	Workshop to discuss the barriers and solutions to access infrastructure in the Arctic	20		4	vessel operators, 20
KEPLER workshop: Maritime and research sector needs	Workshop		presentation	Online	2021/05	AWI	WP2 /WP6		20			
All Atlantic Research Alliance 2021	Workshop	"Networking from Pole to Pole: Facilitating Access for Research and Infrastructure "	presentation	Online	2021/06	AWI	WP8		30		10	
ERVO 23rd Meeting 2021	Workshop		presentation	Online	2021/06	AWI	WP8	Report on project progress and cruise implementation				
Cruise on Commandant Charcot	Conference		Presentation	(on Commanda	2021/09	WOC	WP2 /WP6	Cooperation with industry	5	2	5	
EU Arctic Forum EU Arctic Forum and Indigenous Peoples' Dialogue	Forum		slideshow	Online	2021/11	AWI	WP8					
MEOPAR Science Meeting	Conference		Presentation	Online	2021/11		WP8	Advertise the project	100	10		
Arctic Search and Rescue online Workshop	workshop "Towards a Wider Arctic Civil Security and SAR Cooperation"		presentation	Online	2022/02	AWI	WP8	science industry cooperation				

	Conference							Coordination of the				
Arctic Observing Summit 2022				in-person	2022/03	AWI, FMI, NPI	WP6, WP8	Arctic Observing systems	200		20	20
						, ,						
ARICE 5th GA	Conference	yes	presentation	Online	2022/03	ALL	WP8	Project progress report	40	5	1	
ANICE SUI OA		yes	presentation		2022/03	ALL						
Oceanology International (OI)	Conference		Participation	London	2022/03	UTM-CSIC	WP2	Contact to industrial partners on technological developments and new technologies on the exhibition				
MOSAiC Science Meeting	Workshop		presentation	in person	2022/04	AWI	WP3	training activities				
				in person	,			cooperation with				
Science Meeting Ponant	Workshop		presentation	(Le Havre, FR)	2022/04	AWI, CNR, WOC	WP8	industry / joint calls for proposals				
CCADI Annual Meeting	Workshop		Presentation	Victoria, Canada	2022/05	ULAVAL	WP8	Advertise the project	90	2		4
contraining	Workshop		resentation	Hybrid	2022,05	OBIMIE	WIG	Auventise the project	50	-		-
European Maritime Day	Conference		presentation	(Ravenna, IT/online)	2022/05	AWI	WP3	training activities				
Technology Developments to Advance Antarctic Research	Workshop		Participation	Online	2022/05	UTM-CSIC	WP2	To know last developments on technology in different fields on Antarctic research done by NSF				
EU Polar Cluster Meeting	Meeting/Work shop		dialogue	in person (Brussels, BE)	2022/06	AWI	WP8/WP3					
	Recommendat ions towards an Integrated Polar Observing			Online	2022/06	AWI	WP8					
EO-POIATIVEL WORKShop	System Side Event:		dialogue	Online	2022/00							
ALL-ATLANTIC OCEAN RESEARCH FORUM 2022	Research Cooperation from Pole to Pole		dialogue	in person (Washingto n DC)	2022/07	AWI	WP8					
Launch ARICE 3D icebreaker	workshop	yes		hybrid (Bologna. IT/online)	2022/07	CNR, AWI	WP8					

ERVO 24th Annual Meeting 2022	Conference		presentation	in person (Bucharest, RO)	2022/09	AWI	WP8	Report on project progress and cruise implementation				
SMM Hamburg	Fair		presentation / booth	in person (Hamburg (DE)	2022/09	AWI, WOC	WP2 /WP6	cooperation with industry				
ICRI: International Conference on Research Infrastructures	Conference /side event: Long-term sustainability of small and mid-scale distributed RI projects		presentation	in person (Brno, CZ)	2022/10	AWI	WP8					
The future of research infrastructure in the Arctic	Conference	organisers	presentation	in person (Brussels, BE)	2022/10	AWI, IOPAN, SPRS, NPI, WOC, CNRS, CNR, ULAVAL	WP8	In cooperation with INTERACT, FARO, and the EPB, to discuss the future of research infrastructures, challenges and perspectives	70	8	10	
EURO-GOOS Arctic ROOS; Opportunities and challenges for in suti ocean observing in the Arctic	online workshop		presentation	online	2022/11	AWI	WP8	summarise ARICE activities including the cooperation with industry	30			
ArcticNet Science Meeting	Conference		Presentation	Toronto, Canada	2022/12		WP8	Advertise the project	100		2	20
EU Polar Cluster Meeting	Meeting		dialogue	online	2022/12	AWI	WP8					