

ARICE

“Making the Arctic accessible for excellent science”

Nicole Biebow (AWI)



www.arice.eu



Grant agreement No 730965

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

H2020 Integrating Activities for Starting Communities

Grant Agreement No. 6730965

Requested EU contribution: 6 Mio €

Duration: 4 years (01.01.2018 – 31.12.2021)

Coordinator: Nicole Biebow, AWI

ARICE webpage www.arice.eu

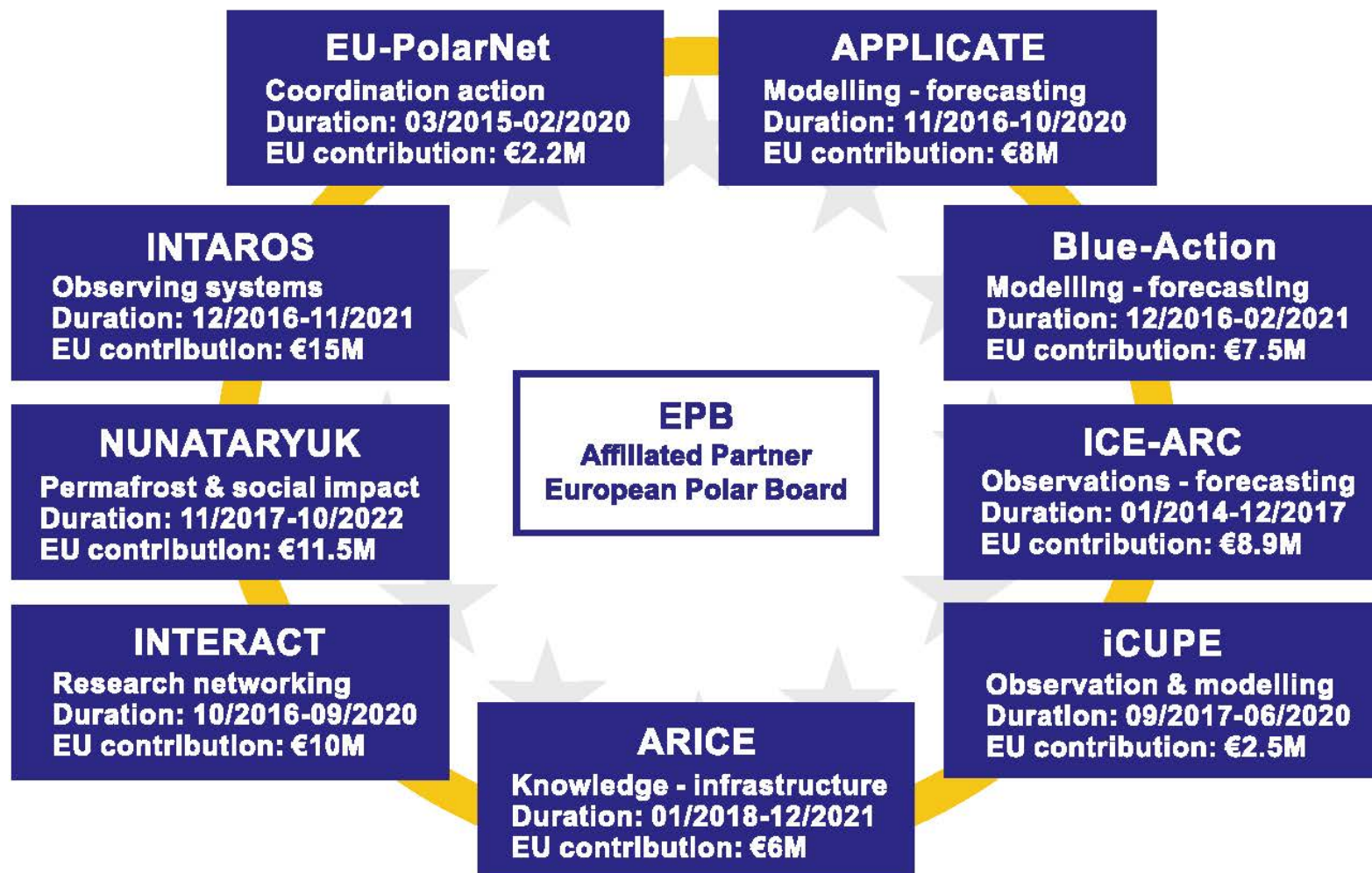


The ARICE team



The EU-Arctic cluster coordinated by EU-PolarNet

EU ARCTIC PROJECT CLUSTER



Networking:

1. **Harmonisation of the European Arctic Research fleet** and better coordination of the icebreakers with the ice-strengthened vessels **(WP1, SPRS)**
2. **Developing an international Arctic Research Icebreaker Consortium** which shares and jointly funds ship-time on the heavy icebreakers **(WP1, SPRS)**
3. Establishing a **regular dialogue with the maritime industry** to identify opportunities for cooperation between business and research **(WP2, WOC)**
4. **Education a new generation** of polar researchers and professionals **(WP3, APECS)**

Trans-national access

Providing trans-national access to a set of six key European and international icebreakers **for International** scientists based on scientific excellence of submitted proposals (**WP4, AWI and WP5, CSIC**)

PRV Polarstern, DE



IB Oden, SE



RV Kronprins Haakon, NO



RRS Sir David
Attemborough, UK



CCGS Amundsen, CA



RV Sikuliaq, USA



Improving weather and sea ice forecast

YOPP

YEAR OF
POLAR
PREDICTION



MOSAIC

International
Arctic Drift
Expedition



the
Nansen
LEGACY



Joint research activities:

1. Expanding the monitoring and observation capacities in the Arctic Ocean (WP6, FMI)
 - a) by partnering with maritime industry on a “ship of opportunity” programme
 - a) by exploring into new key technologies that could lead to an improvement of ship-based and autonomous measurements in the Arctic Ocean
2. Enhancing a virtual and remote access of data by developing a 3D Virtual Icebreaker – visual presentation of the ARICE data management system (WP7, Arctic Portal)

ARICE 1st Call for Proposals NOW OPEN!!

Application deadline: 5th July

2018

PRV Polarstern, DE



RV Sikuliaq, USA



MOSAIC

International
Arctic Drift
Expedition



CCGS Amundsen, CA



RV Sikuliaq and CCGS Amundsen: 7 working days

PRV Polarstern in the frame of MOSAiC

limited to a maximum participation of persons per leg, in **multiple combinations, depending on leg duration:**

- Up to 5- 6 participants / 1 leg (single project)
- Up to 2 participants in 3 legs (in one or multiple projects)
- 1 participant / 4-5 legs (in one or multiple projects)

Applications are welcome for a minimum of 1 person/leg.

Access to any of the ARICE Research Icebreakers will be regulated according to the **Excellence-driven Access mode**.

This mode of access is dependent on the **scientific excellence, originality, quality and technical and ethical feasibility** of an application evaluated through peer review conducted **by external experts**.

Several eligibility criteria apply, for details please visit www.arice.eu

Workshop: Towards an European Network of Polar Research Vessels in the Arctic

Aim: discussion with ship-operators on how to better align and coordinate research icebreakers and ice-strengthened vessels

Where and when:

2018 IRSO Meeting

October 4th, 2018

Mediterranean Center for Marine and Environmental Research (CMIMA) Barcelona, Spain





An international collaboration strategy for meeting the needs of marine based research in the Arctic

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Any questions?



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