

# Updates on Italian Arctic Activities

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**(CNR-ISP)**



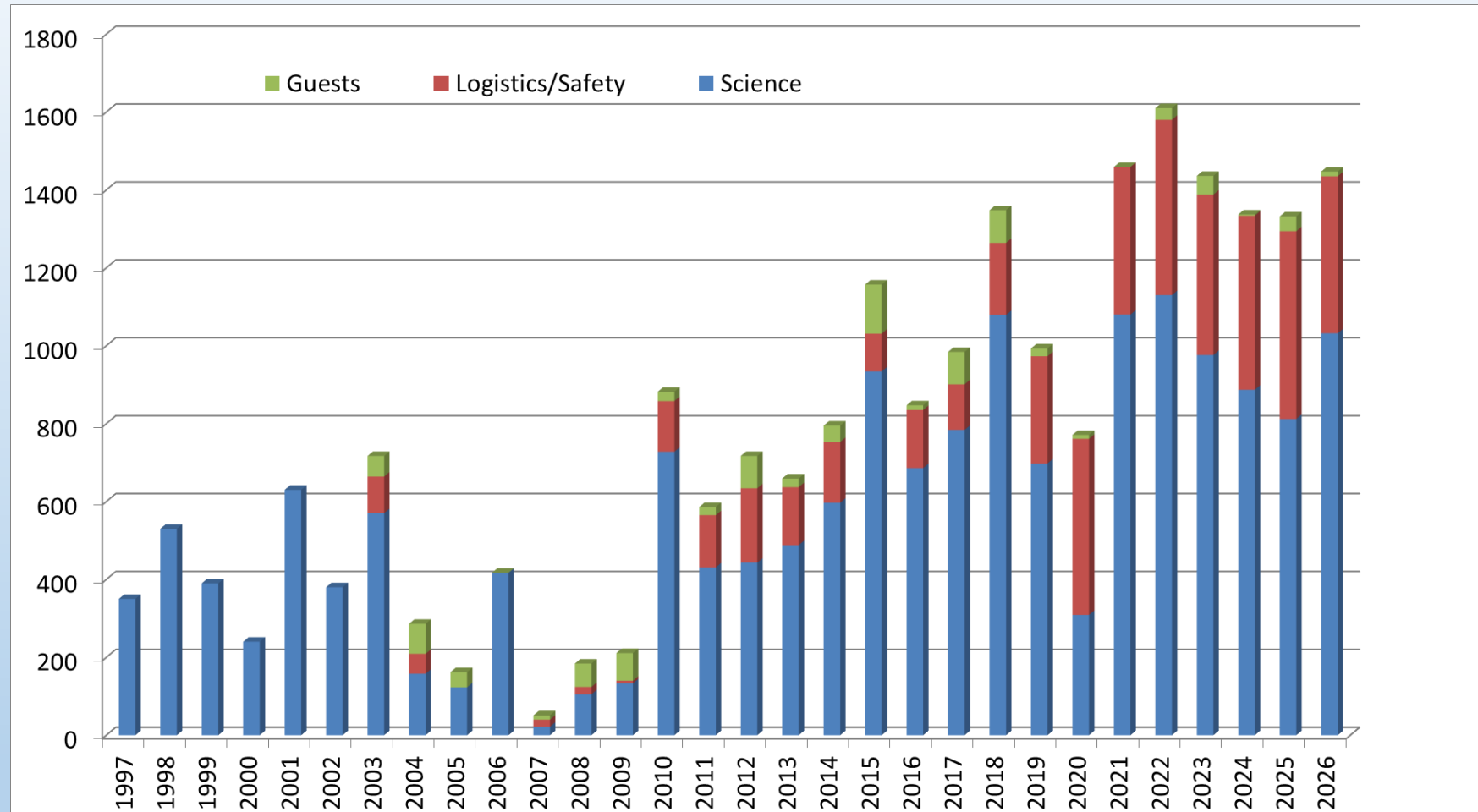
**FARO annual meeting, ASSW, March 28, 2026**

# Arctic Station “Dirigibile Italia”, Ny-Ålesund Research Station (Svalbard)



- Opened in **1997**
- Managed by **CNR-ISP**, but hosts researchers from other institutions and universities
- Surface 330 m<sup>2</sup> with sleeping rooms, offices and laboratories
- Can host up to 7 researchers
- Since 2018 runs **all year round**
- Access through a national call and a peer-review process.
- Participates to **INTERACT/SIOS/POLARIN/EMBRC** access programs

# Person-days at Dirigibile Italia



**44 projects** submitted for 2026, including access projects. Number of person-days for 2026 are provisional, including safety support.

# Italian National Committee for IPY5

**Preliminary list (to be completed)**

- Stefania Gilardoni, CNR (Atmosphere) ([stefania.gilardoni@cnr.it](mailto:stefania.gilardoni@cnr.it), **National Contact Person, Arctic**)
- Nicoletta Ademollo, CNR (Biodiversity, Pollutants) (Arctic-Antarctica)
- Mauro Mazzola, CNR (Arctic, Dirigible Italia Base)
- Tommaso Tesi, CNR (Paleoclimate, Ocean, Arctic-Antarctica)
- Maria Vittoria Guarino, ENEA (Atmosphere-Ice Interactions, Arctic-Antarctica)
- Lucilla Alfonsi, INGV (Arctic-Antarctica)
- Fausto Ferraccioli, OGS (Arctic-Antarctica)



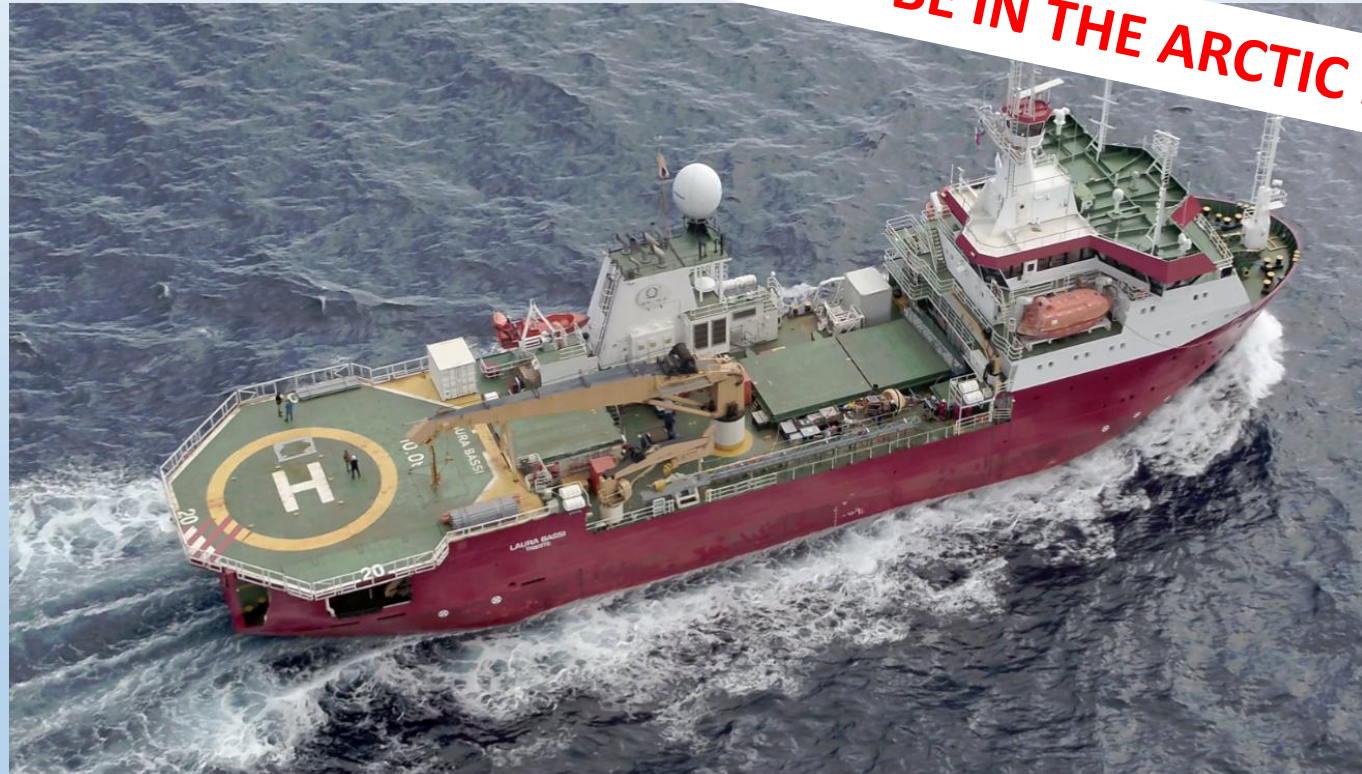
# Overview of planned vessels/icebreaker capacity, with updates on status and date of availability of the vessels/icebreakers

## RV LAURA BASSI



Length overall: 80 m  
Beam, overall: 17.00 m  
Draft: 6.85 m  
Year Built: 1995  
Gross tonnage: 4028 T  
Engine Power: 2 x 2650 kW  
Tunnel thrusters: 4 x 608 kW  
Azimuth thruster: 1 x 811 kW  
DP 2  
Maximum speed: 17 knots  
Cruising Speed: 12 knots  
Survey Speed: 8 knots  
Endurance: 60 days  
Scientific Personnel: 50 people  
Crew: 22 people  
Cabin: 37  
Special Purpose Ship  
Icebreaker ICE 05  
3 Cargo hold: 3.000 m<sup>3</sup>  
Heli deck

**PLANNED TO BE IN THE ARCTIC IN 2027**



<https://www.ogs.it/it/nave-da-ricerca-laura-bassi>

Ref. Franco Coren - [fcoren@ogs.it](mailto:fcoren@ogs.it)

# Call for Papers – Dirigibile Italia: Thirty Years of Collaborative Arctic Research - Special Issue 2027

## Cold Regions Science and Technology

<https://www.sciencedirect.com/journal/cold-regions-science-and-technology>

### Guest Editor:

Andrea Spolaor – [andrea.spolaor@cnr.it](mailto:andrea.spolaor@cnr.it)

## Dynamics of Atmospheres and Oceans

<https://www.sciencedirect.com/journal/dynamics-of-atmospheres-and-oceans/>

### Guest Editor:

Mauro Mazzola – [mauro.mazzola@cnr.it](mailto:mauro.mazzola@cnr.it)



Contributions from research groups that have received support or collaborated with Dirigibile Italia over the past decades are particularly welcome.

Submissions open: February 28, 2026

Submission deadline: September 30, 2026



Our data are available at the  
**Italian Arctic Data Center**  
<https://iadc.cnr.it>

Metadata via Geonetwork (148 entries)

Data via ERDDAP (95 datasets)



Italian Arctic Data Center - ERDDAP  
 Easier access to scientific data

ERDDAP > List of All Datasets

95 matching datasets, listed in alphabetical order.

Grid DAP Data	Sub-Set	Table DAP Data	Make A Graph	M S	Source Data Files	Access-ible	Title	Sum-mary	FGDC, ISO, Metadata	Back-ground info	RSS	E-mail	Institution	Dataset ID
	set	data	graph		public		* The List of All Active Datasets in the ERDDAP *						CNR-ISP	allDatasets
data		graph	files	public	2017 NAIS at Gruevabudet				M background/				University of Hel.	00971046-f721-4532-93bb-402b136d332
data		graph	files	public	2018 NAIS at Gruevabudet				M background/				University of Hel.	5028c970-4b12-4798-88f8-52658c259040
data		graph	files	public	2019 NAIS at Gruevabudet				M background/				University of Hel.	68347164-446a-402b-8cc0-81478a4286ea
data		graph	files	public	2020 NAIS at Gruevabudet				M background/				University of Hel.	630670d7-1580-40c5-a44d-af8f1c0b630b
data		graph	files	public	2021 NAIS at Gruevabudet				M background/				University of Hel.	1153bd85-4c1c-4344-a091-a824d711f0
data		graph	files	public	2022 NAIS at Gruevabudet				M background/				University of Hel.	7963d8f9-c9d1-4a9a-9e53-706239f0d07
data		graph	files	public	2023 NAIS at Gruevabudet				M background/				University of Hel.	8a192157-cb40-4289-8b79-bc1f8e5c8265
data		graph	files	public	2024 NAIS at Gruevabudet				M background/				University of Hel.	1c4a569c-1640-4c3c-8922-60899964059d
data		graph	files	public	2025 NAIS at Gruevabudet				M background/				University of Hel.	285a8aab-0a01-4df1-8905-27677e0bc42
set	data	graph	files	public	Acoustic data - MCI mooring				F I M background/				CNR - Istituto di	b041b78c-1466-4327-ba65-5342ec574300
		graph	files	public	Aerosol scattering and absorption coefficients at the Gruevabudet Aerosol Laboratory (Svalbard)				F I M background/				CNR	aerosol_optical_gwb
		graph	files	public	Aerosol scattering and absorption coefficients at the Gruevabudet Aerosol Laboratory (Svalbard), from 2022				F I M background/				CNR	aerosol_optical_gwb_2022
set	data	graph	files	public	AIRQino arctic stations				F I M background/				CNR-IBE	airqino
set	data	graph	files	public	BOA ITALIA measurements in the Kongsfjorden (MCI site)				F I M background/				Italian National	2439ec71-6772-42ca-8117-65b09455902
		graph	files	public	CH4 and CO2 turbulent flux at Ny Alesund				F I M background/				CNR	ctd_output_psysim
		graph	files	public	Climate Change Tower Meteorological Data (D1.5 - QC one minute data, under request)				M background/				CNR	ctd_01_5_meteo_ctd
data		graph	files	public	Climate Change Tower Meteorological Data (D2 - 30 minutes average)				F I M background/				CNR	ctd_meteo_d2
data		graph	files	public	Climate Change Tower meteorological data at minute resolution				F I M background/				Institute of Pola.	66976c1c-995c-4617-ae68-ad1b491002
		graph	files	public	Climate Change Tower Radiation Data (D1.5 - QC one minute data)				M background/				CNR	ctd_01_5_radiation_ctd
data		graph	files	public	Climate Change Tower Radiation Data (D2 - 30 minutes average)				F I M background/				CNR	ctd_radiation_d2
		graph	files	public	Climate Change Tower Soil Temperature Data (D2)				F I M background/				CNR	ctd_soil_d2
set	data	graph	files	public	CTD (data from NISKIN Bottles) LERCI ARCTIC Cruise Italian Arctic project CASSANDRA				F I M background/				OGS	ctd_cassandra_bottle_bq7f0b
set	data	graph	files	public	CTD (DOWNCAST) LERCI ARCTIC Cruise Italian Arctic project CASSANDRA				F I M background/				OGS	ctd_cassandra_downcast_bqf0d9
data		graph	files	public	CTD data set from mooring S1 @ 1000 m				F I M background/				OGS	s1_ctd
data		graph	files	public	Daily equivalent black carbon from aerosol absorption coefficient data for ACPO submission				F I M background/				CNR-ISP	gillardoni_acpo_2018_2021
data		graph	files	public	EGUisphere-2023-1376 Equivalent Black Carbon Data				F I M background/				CNR-ISP	gillardoni_acp_etec_2023
data		graph	files	public	EGUisphere-2023-1376 Eteco Data				F I M background/				CNR-ISP	gillardoni_acp_met_2023

