

# Eurofleets+ Project Update

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Bucharest



This project has received funding  
from the EU H2020 research and  
innovation programme under  
Grant Agreement No 824077





- 42 Partners
- Budget of 9.9m €
- Access to:
- 27 Research Vessels,
- 7 ROV's &
- 5 AUV's



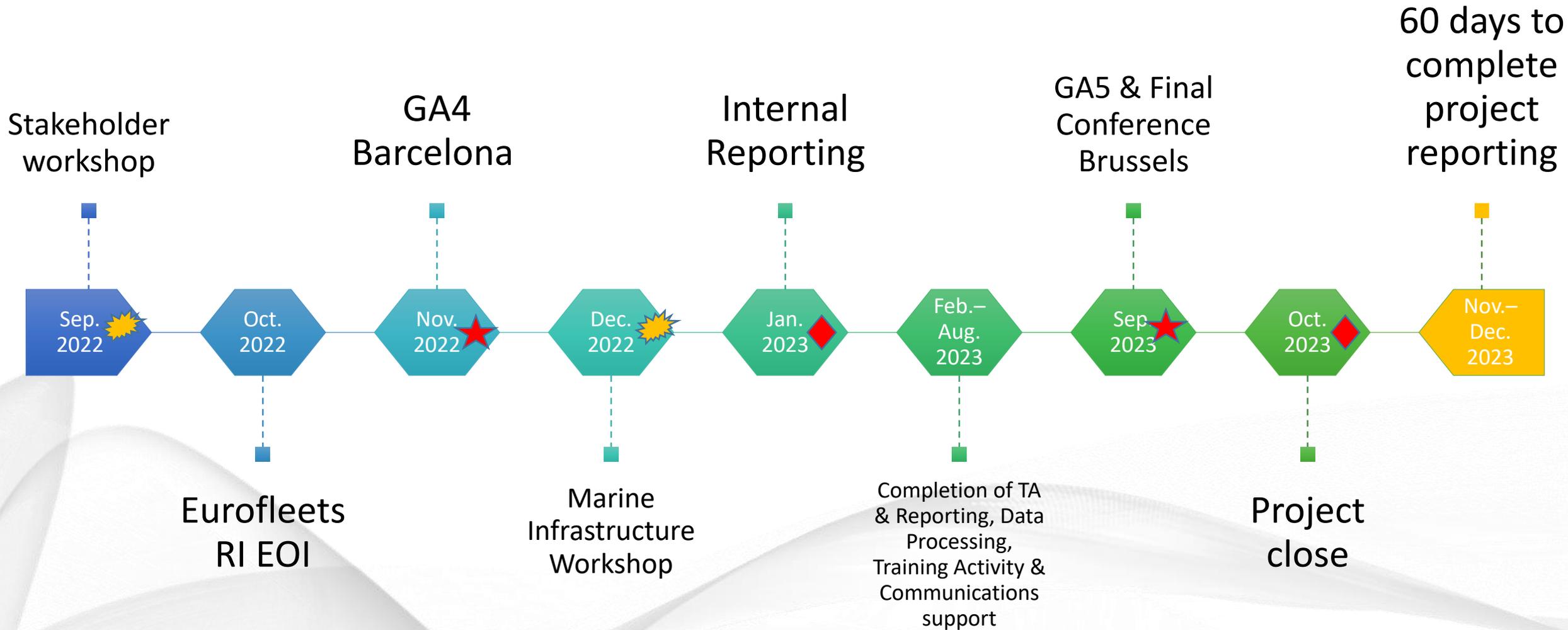
Areas of Operation:  
 North Sea, Black Sea, North Atlantic, Mediterranean Sea, Baltic Sea, Pacific Southern Ocean and Ross Sea

## Eurofleets+ Core Goal 42 beneficiaries working together to deliver

The ultimate goal of Eurofleets+ is to facilitate access to unique marine infrastructure, enable excellent research, increase ocean literacy, and provide a clear road map for the continued integration and advancement of the European research fleet.



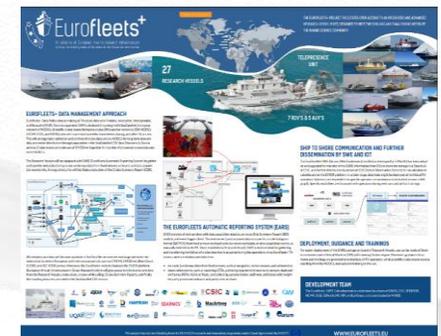
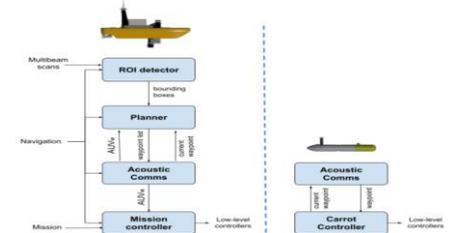
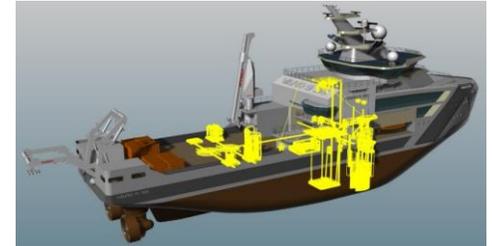
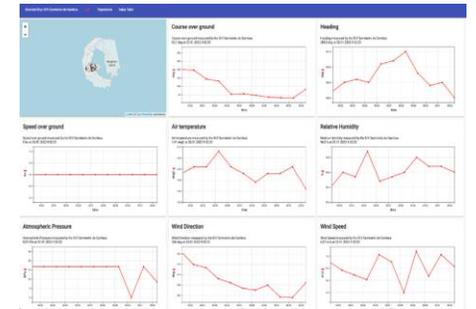
# Project Timeline From Now To Project End





# Project Achievements to date

- 22 Transnational Access Cruise scheduled with 1 cruise implemented 2020, 7 in 2021 & 9 in 2022
- EARS 3 Launched and deployed (EARS advanced to TRL7)
- 3 x Design of new equipment innovations for deep sea operations from vessels complete
- Online 3D mapping and quality assessment complete
- COPI Programme call closed and all applications evaluated
- 1<sup>st</sup> International Workshop with stakeholders





# Project Achievements to date

- Floating Universities onboard RV Celtic Voyager, RV Oceania and RV Mario Ruivo
- Collaborative training with POGO onboard the RV DANA
- Two ship to Shore broadcasts
- Industry Platform Report on market needs and Innovation potential complete
- Draft Business Plan developed (WP8)
- Two Eurofleets Science Session (ERVO and EMRA)
- Website Update Ongoing
- Project activity promoted at over 50 events.



# Completed Transnational Access Cruises – 2020-2021

Acronym	Days Access	PI	PI institution	PI Country	Installation
FOCUS-AUV	29	Joshu Mountjoy	NIWA	NZ	AUV Hugin, UGOT
PORO-CLIM	13	Steve Jones	University of Birmingham	UK	RV Celtic Explorer, MI
iMAR	17	Telmo Morato	University of the Azores	PT	RV Pelagia, NIOZ
GSHARK	7	Diego Bernal	University of Massachusetts Dartmouth	US	RV DANA, DTU AQUA
BENCHMARK	10	Julian Burgos	Marine and Freshwater Research Institute	IS	RV GO Sars & ROV Aegir, IMR
PHYCOB	7	Bernd Krock	Alfred Wegener Institute	DE	RV Tubitak Marmara, TUT
MYRTOON	10	Andreas Koutsodendris	Heidelberg University	DE	RV Aegaeo, HCMR
GRASSMAP	7	Miquel Massot-Campos	University of Southampton	UK	RV Socib, SOCIB



# Completed Transnational Access Cruises – to date (9)

Acronym	Days access	PI	PI institution	PI Country	Installation
CALYPSO	17	Dr Shaun Johnson	Scripps University California	US	RV Pelagia, NIOZ
CABLE	8	Dr Taavi Liblik,	Tallinn University of Technology	ES	RV Aranda, SYKE
GRACE + SEAQUAKE CoPI	11	Carmen Juan Valenzuela	Instituto Español de Oceanografía, CO Cádiz (Spain)/Lille University, Laboratoire d'Océanologie et de Géosciences (France)	ES	RV Belgica II (RBINS-OD Nature), AUV Barabas (VLIZ)
TALPRO2022	10	Katrin Schroeder	CNR-ISMAR	IT	RV Belgica II
SENERGY	8	Dr James Waggitt	Bangor University	UK	RV Arni Friedrikson
IOPD	12	Dr Wieter Boone	Flanders Marine Institute	BE	RV SANNA
FIGURE + CARING CoPI	8	Dr Mar Benavides,	Mediterranean Institute of Oceanography	FR	RV Atlantic Explorer
CARBO -ACID	10	Dr Emilia Salgueiro	IPMA	PT	RV Ramon Margalef
GLICE	14	Mark Hopwood	Geomar Helmholtz Centre for Ocean Research Kiel, Germany/ SUSTech Southern University of Science and Technology, China	GER	RV SANNA
SINES	10	Dr Marcos Fontela	Centro de Ciências do Mar do Algarve	PT	RV Sarmiento de Gamboa





# Challenges

- COVID-19 - infrastructures not operational for long periods delayed logistical evaluations, travel restrictions, quarantine periods, rising shipping and logistics costs
- Number of cruise participants reduced due to limited capacity onboard to facilitate social distancing
- Significant additional effort required for continuous rescheduling of cruises.
- Marine Scientific Research Clearances/ Diplomatic Clearances
- War in Ukraine; cruise cancellation in the Black Sea, Rising Fuel costs,
- Shipping costs & delays



# Cruise Data – European Virtual Infrastructure in Ocean Research (EVIOR)



## Eurofleets<sup>+</sup>

An alliance of European marine research infrastructure to meet the evolving needs of the research and industrial communities

[Go to Eurofleets home](#) >

### Eurofleets+ Cruise Data Sets Catalogue

[RETURN TO EVIOR HOME](#)

Cruise ID	Research Vessel	Date Start	Date End	More Details
iMAR	<a href="#">Pelagia</a>	2021-05-18	2021-06-02	✓
Benchmark	<a href="#">G.O. Sars</a>	2021-08-01	2021-08-10	✓
FOCUS-AUV	<a href="#">Tangaroa</a>	2020-09-30	2020-10-28	✓
GRASSMAP	<a href="#">SOCIB</a>	2021-09-14	2021-09-20	✓
GSHARK	<a href="#">Dana</a>	2021-07-21	2021-08-12	✓
MYRTOON	<a href="#">Aegaeo</a>	2021-09-30	2021-10-09	✓
PHYCOB	<a href="#">TUBITAK Marmara</a>	2021-09-11	2021-09-17	✓
PORO-CLIM	<a href="#">Celtic Explorer</a>	2021-05-05	2021-05-30	✓
CALYPSO	<a href="#">Pelagia</a>	2022-02-20	2022-03-12	✓
CABLE	<a href="#">Aranda</a>	2022-04-04	2022-04-09	✓

# Training Opportunities

Eurofleets+ Marine Infrastructure Management Workshops are organized within the scope of the EurofleetsPlus training program and will be held at Tallinn University of Technology.

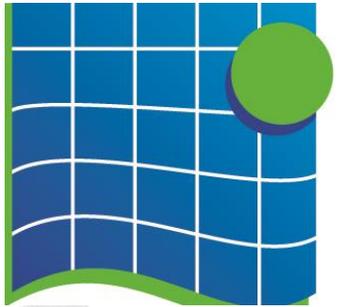
The workshop will have a duration of 2.5 days from 29<sup>th</sup> of November to 1<sup>st</sup> December and is offered to Marine Scientists and Marine science related staff that want to improve their knowledge on the different aspects related to the management of a Marine Research Infrastructure.

## Workshops elements include

- EU Research Vessels Management – (funding, scheduling, crew and technicians, DIP clearance, IMO regulations, STCW 95, Ship safety and security) including examples from EU RVs operators;
- Cruise Planning – Cruise leader and RI manager/operator duties, Cruise planning, Post cruise
- Marine Research Infrastructures Management – RI's onboard, RI team operators, mob & demob;
- Shipboard Data Management and Data Access – Shipboard data management, data transfer, database (EVIOR, EMODnet, SeaDataNet), the Eurofleets EARS data management suite;
- Marine Infrastructures Networks – EurOcean, ERVO, IRSO, EuroArgo, EUFAR...
- EU Marine Research Infrastructures foresight – the Eurofleets experience, the Eurofleets Research Infrastructures proposal.



Thank You



*Foras na Mara*  
*Marine Institute*



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