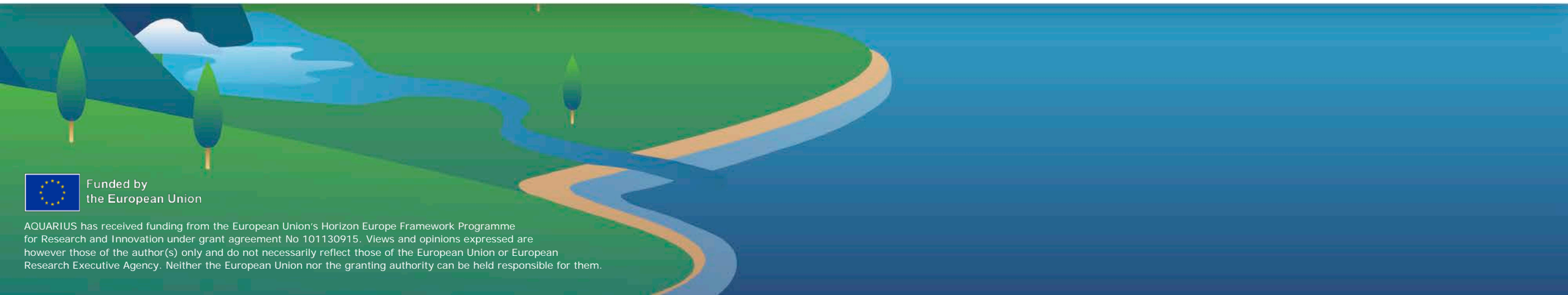


AQUARIUS KICK OFF Meeting

Bernadette Ní Chonghaile, Marine Institute

APRIL 23rd & 24TH 2024



Funded by
the European Union

AQUARIUS has received funding from the European Union's Horizon Europe Framework Programme for Research and Innovation under grant agreement No 101130915. Views and opinions expressed are however those of the author(s) only and do not necessarily reflect those of the European Union or European Research Executive Agency. Neither the European Union nor the granting authority can be held responsible for them.

Work Package 2 & 4 (MI with all Infrastructure Operators)



**Facilitation & Implementation of Multi-platform,
Multi-infrastructure integrated Transnational
Access Projects**

Work Package 4 Tasks

4.1 Online Infrastructures Catalogue Created (MI, with all Infrastructure Operators)

4.2 Transnational Access Logistics Evaluation (MI with RBINS, EMSO, GEOECOMAR, UL)

4.3 Create and Maintain Online Schedule of TA Projects (MI with AWI, SSBE)

4.4 Transnational Access Administration (MI with AWI)

Task 4.1 Online Infrastructure Catalogue (MI with all Infrastructure Managers)

Catalogue of all available Infrastructures available online

Categorised by type, location (lighthouse region)

Description of what is and is not included in the access?

Technical Specifications of Infrastructure

User requirements, training

Catalogue; Arctic & Atlantic (25 Infrastructures across 8 Types)


Type	Infrastructure	Provider
Research Vessels	Sarmiento De Gamboa	CSIC (ES)
	Sanna	GINR (GL)
	Thalassa	IFREMER (FR)
	G.O. Sars	IMR (NO)
	Arni Friedrikson/ RV Bjarni	MFRI (IS)
	Celtic Explorer	MI (IE)
	Wim Wolff	NIOZ (NL)
	Belgica	RBINS (BE)
Mobile Marine Observation Platforms	HROV	IFREMER (FR)
	SmartBay	MI (IE)
	UL_IROV	UL (IE)
	UL_MRE-ROV	UL (IE)
Fixed Marine Facilities	SmartBay	MI (IE)
	IMDBON	MI (IE)
	Lehanagh Pool	MI (IE)
	SmartBay	MI (IE)
	Plocan Test Site	PLOCAN (ES)
Experimental Research Facility	EMBRC-FR Research Facilities	EMBRC (FR)
	EMBRC-PT Research Facilities	EMBRC (FR)
	EMBRC-PT Research Facilities	EMBRC (FR)
	RAS	MI (IE)
River & Basin Supersites	Newport Catchment	MI (IE)
Aircrafts	CWIS-II	Vito (BE)
Drones	UL Drone	UL (IE)
Satellite Services	Terrascope	Vito (BE)




Infrastructure Catalogue

☰ All Types


📍 Lighthouse Regions




RV XXX
XX Spain




Drone XXX
XX Spain




RV XXX
XX Spain



ROV XXX



RV XXX



RV XXX

RV AEGAEO

Vessel Profile

Home port:	Piraeus Greece. Port of Registry : Chalkis Greece
Home port Coordinates:	Latitude: 37.94745 N Longitude: 23.63708 E
Organisation & Address:	HELLENIC CENTRE FOR MARINE RESEARCH 46.7 km Athens-Sounio Avenue, 19013 Anavyssos, Greece
Vessel Web site address:	RV Aegaeo Website
Link to Vessel Schedules:	Contact operator for vessel's schedule.
Normal Area of Operation:	Mediterranean Sea, Black Sea
Max No of EF+ Days:	12

Vessel details:

Length	Breadth	Draught	Gross Tonnage	Ice class	DP	Service speed	Max No. Scientific Berths	No. of EF+ Scientific Berths
61,50	9,60	2,90	778	No	No	11 knots	21	18-20

Technical Detail



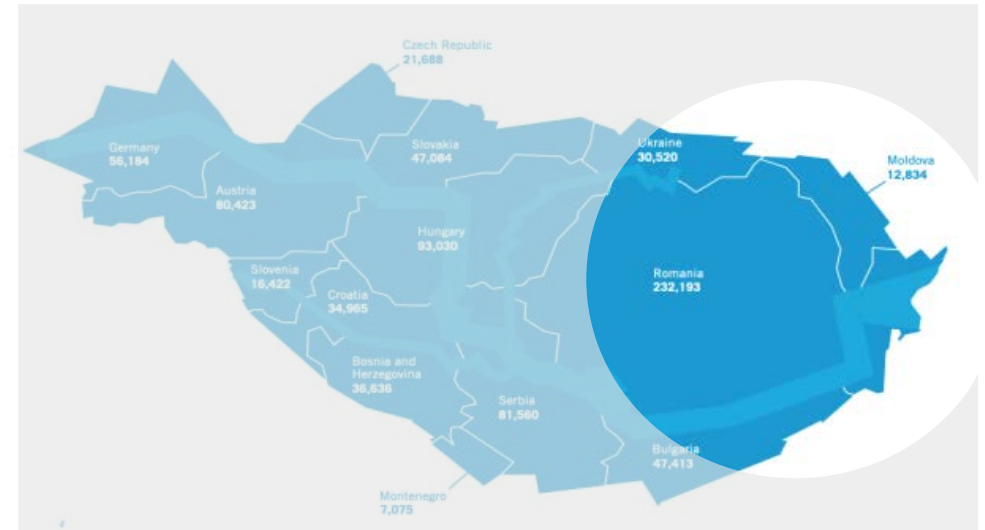
Baltic and North Sea (22 Infrastructures across 6 Types)

Type	Infrastructure	Provider
Research Vessels	Jakup Sverri	FMRI (DE)
	G.O. Sars	IMR (NO)
	Wim Wolff	NIOZ (NL)
	Belgica	RBINS (BE)
	Svea	SLU (SE)
	Aranda	SYKE (FI)
	Simon Stevin	VLIZ (BE)
Mobile Marine Observation Platforms	Baltic Gliders	FMI (FI)
	NorSOOP	NIVA (NO)
	Algaline	SYKE (FI)
	Glider Yoko	VLIZ (BE)
	AUV Barabas	VLIZ (BE)
	USV Adhemar	VLIZ (BE)
Experimental Research Facility	EMBRC-FR Research Facilities	EMBRC (FR)
	EMBRC-PT Research Facilities	EMBRC (FR)
	EMBRC-PT Research Facilities	EMBRC (FR)
	Utö	FMI (FI)
	MESO&CAL	SYKE (FI)
River & Basin Supersites	Elbe Supersite	HEREON (DE)
Aircrafts	CWIS-II	Vito (BE)
	FLIS	CzechGlobe (CZ)
Satellite Services	Terrascope	Vito (BE)



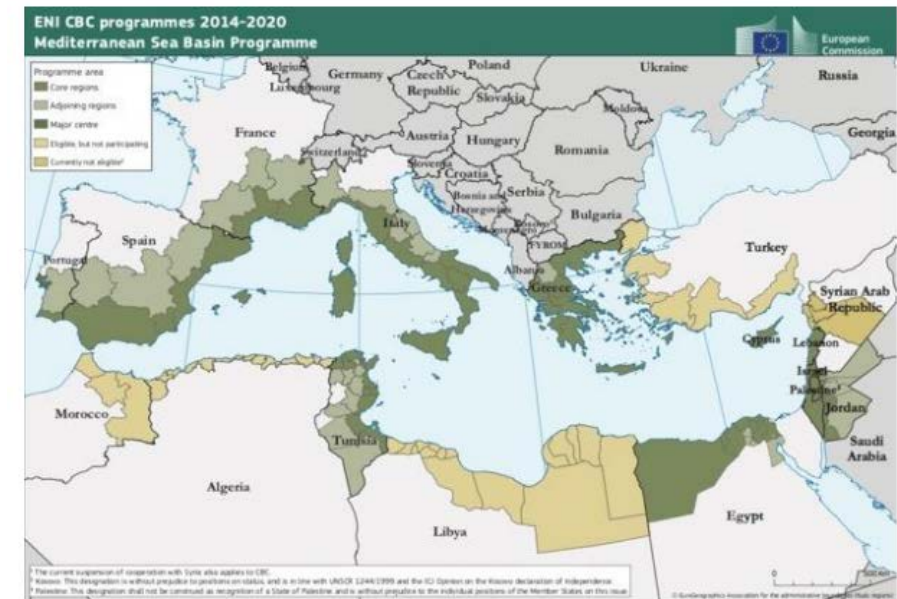
Black Sea (12 Infrastructures across 5 Types)

Type	Infrastructure	Provider
Research Vessels	Mare Nigrum	GeoEcoMar (RO)
	Danubius-RI (RV Istros)	GeoEcomar (RO)
Experimental Research Facility	EMBRC-FR Research Facilities	EMBRC (FR)
	EMBRC-PT Research Facilities	EMBRC (FR)
	EMBRC-PT Research Facilities	EMBRC (FR)
River & Basin Supersites	Danubius-RI (Water Chemistry)	GeoEcomar (RO)
	Danubius-RI (Microplastics)	GeoEcomar (RO)
	Danubius-RI (Mineralogy)	GeoEcomar (RO)
	Danubius-RI (Geochemistry)	GeoEcomar (RO)
	EMSO-EUXINUS	GeoEcomar (RO)
Aircrafts	FLIS	CzechGlobe (CZ)
Satellite Services	Terrascope	Vito (BE)

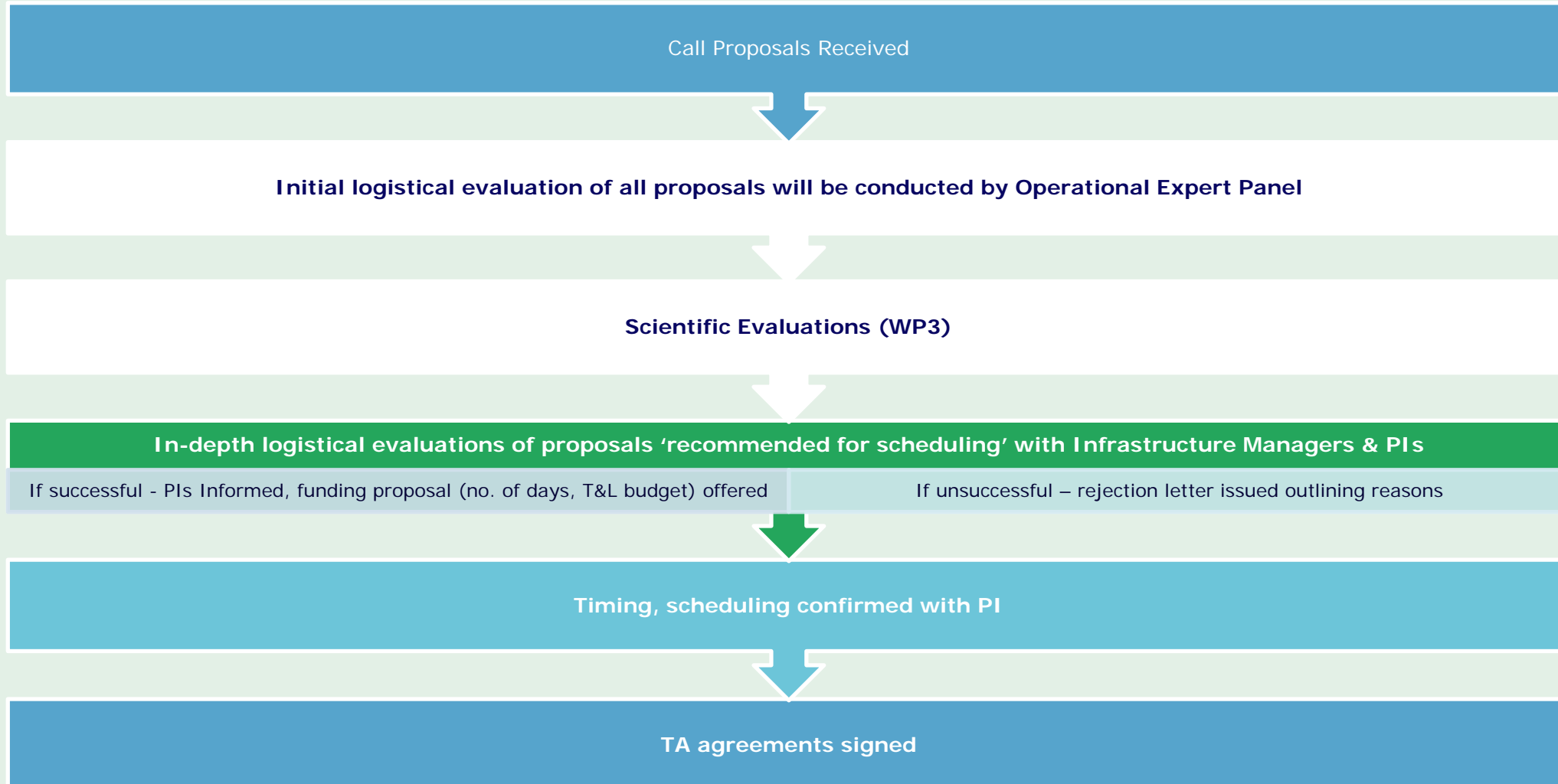


Mediterranean Sea (21 Infrastructures across 7 Types)

Type	Infrastructure	Provider
Research Vessels	Gaia Blu	CNR (IT)
	Aegaeo	HCMR (GR)
	L'Europe	IFREMER (FR)
	Socib	SOCIB (ES)
	Tubitak Marmara	Tubitak Marmara (TR)
Mobile Marine Observation Platforms	Max Rover	HCMR (GR)
	Socib Gliders	SOCIB (ES)
Fixed Marine Facilities	W1M3A	CNR (IT)
	CoCM	CNR (IT)
	SICO	CNR (IT)
	Poseidon Obs	HCMR (GR)
	WIS	INGV (IT)
	E2M3A	OGS (IT)
Experimental Research Facility	ISC-Lab	CNR (IT)
	EMBRC-FR Research Facilities	EMBRC (FR)
	EMBRC-PT Research Facilities	EMBRC (FR)
	EMBRC-PT Research Facilities	EMBRC (FR)
River & Basin Supersites	iCIEM Ebro Delta	UPC (ES)
Aircrafts	AiRS	OGS (IT)
	FLIS	CzechGlobe (CZ)
Satellite Services	Terrascope	Vito (BE)



Task 4.2 Transnational Access Logistics Evaluation (MI with RBINS, EMSO, GEOECOMAR & UL)



Task 4.3 Create & Maintain Online Schedule of TA Projects (MI with AWI, SSBE)

Schedule of TA projects published on project website

Allow for promotion of training, remote/opportunistic sample collection

Will support other projects tasks

- **WP3 (Impact of implemented projects report)**
- **WP6 – data management of TA projects**


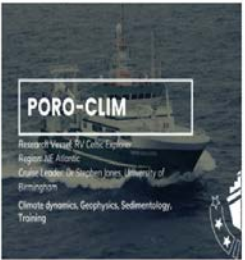






Task 4.3 Online Schedule of TA projects

Examples

Scheduled Transnational Access Cruises

Download the provisional TA cruise schedule.

TA Schedule 22 (78 KIB)

 <p>FOCUS-AUV Equipment: FOCUS AUV Region: Kaikōura canyon, NZ Cruise Leader: Dr Jishu Mouzeng, MFWA Geology, Marine Biology, Sedimentology</p>	 <p>PORO-CLIM Research Vessel: R/V Celtic Explorer Region: NE Atlantic Cruise Leader: Dr Stephen Jones, University of Birmingham Climate dynamics, Geophysics, Sedimentology, Training</p>	 <p>IMAR Research Vessel: R/V Egebor Region: Mediterranean, Azores Cruise Leader: Dr Tânia Marcol, IMAR Biological Oceanography, Geology, New technologies</p>	 <p>GSHARK Research Vessel: R/V CLARA Region: Brordeford, Greenland Cruise Leader: Dr Diego Bernal, UMMA Dartmouth Marine Biology</p>
 <p>BENCHMARK Research Vessel: R/V Albatross Marine Equipment: BOV Albatross Region: Denmark Strait Cruise Leader: Dr Jason Burgess, MPO Marine Biology, Physical Oceanography</p>	 <p>PHYCOB Research Vessel: R/V Johan Willemsson Region: Western TSSA Sea Cruise Leader: Dr Benji Loxton Biological Oceanography</p>	 <p>MYRTOON Research Vessel: R/V Argos Region: Eastern Mediterranean, SW Aegean Sea, Myrtoan Basin Cruise Leader: Dr Andreas Koutsoubos, GEOS Climate dynamics</p>	 <p>GRASSMAP Research Vessel: R/V Scaevola Region: Mallorca and Cabrera Islands Cruise Leader: Dr Miguel Masqué-Campos, University of Southampton Geology, Geophysics, Sedimentology, Training</p>



[FOCUS-AUV Cruise Report](#)

Project: FOCUS-AUV - Fine Scale Observations following earthquake-triggered Canyon flushing by AUV survey

Scientific Discipline: Geology, Marine Biology, Sedimentology

Work Area: Kaikōura canyon, off the east coast of the South Island in New Zealand

Task 4.4 Transnational Access Administration (MI with AWI)

TA End User agreements in place for each project

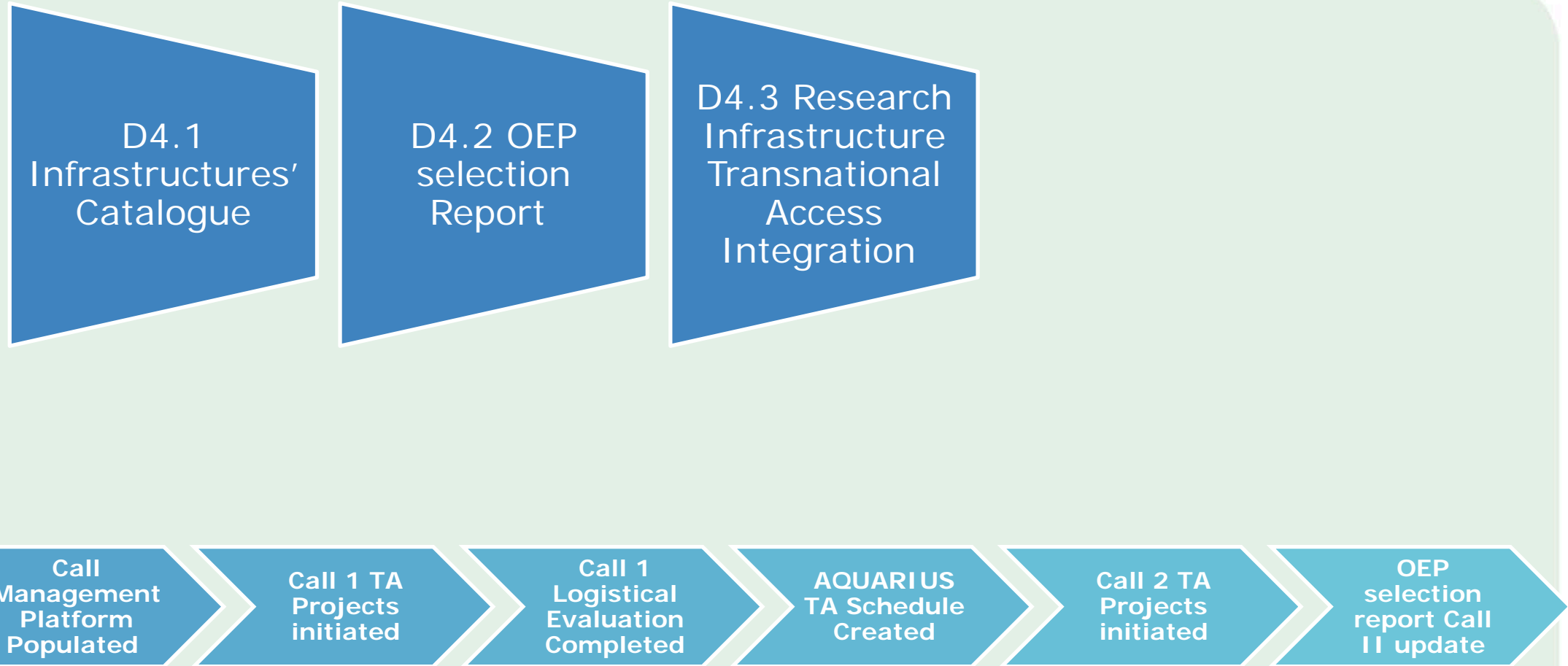
TA Budget Monitoring and Management

Provide support to TA projects during planning and implementation phases

Post project support – management of Travel & Logistics budgets and cost recovery process

Work with PIs & Operators to compile TA campaign statistics and update webpages

Work Package 4 Deliverables (3) & Milestones (6)



'Integrating Research Infrastructures ~ Connecting Scientists ~ Enabling Transnational Access'

"For healthy and sustainable marine and freshwater ecosystems"

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