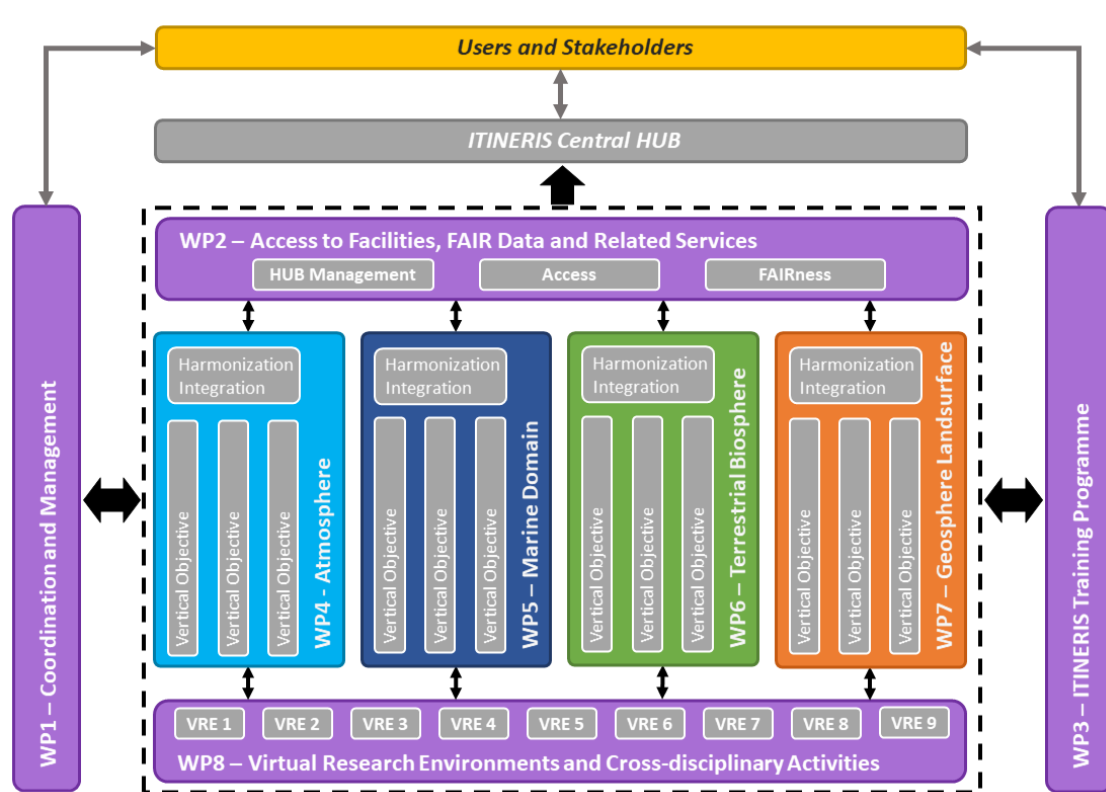


IT-IOOS: how to integrate multi-source digital data and their near real time processing for management phases

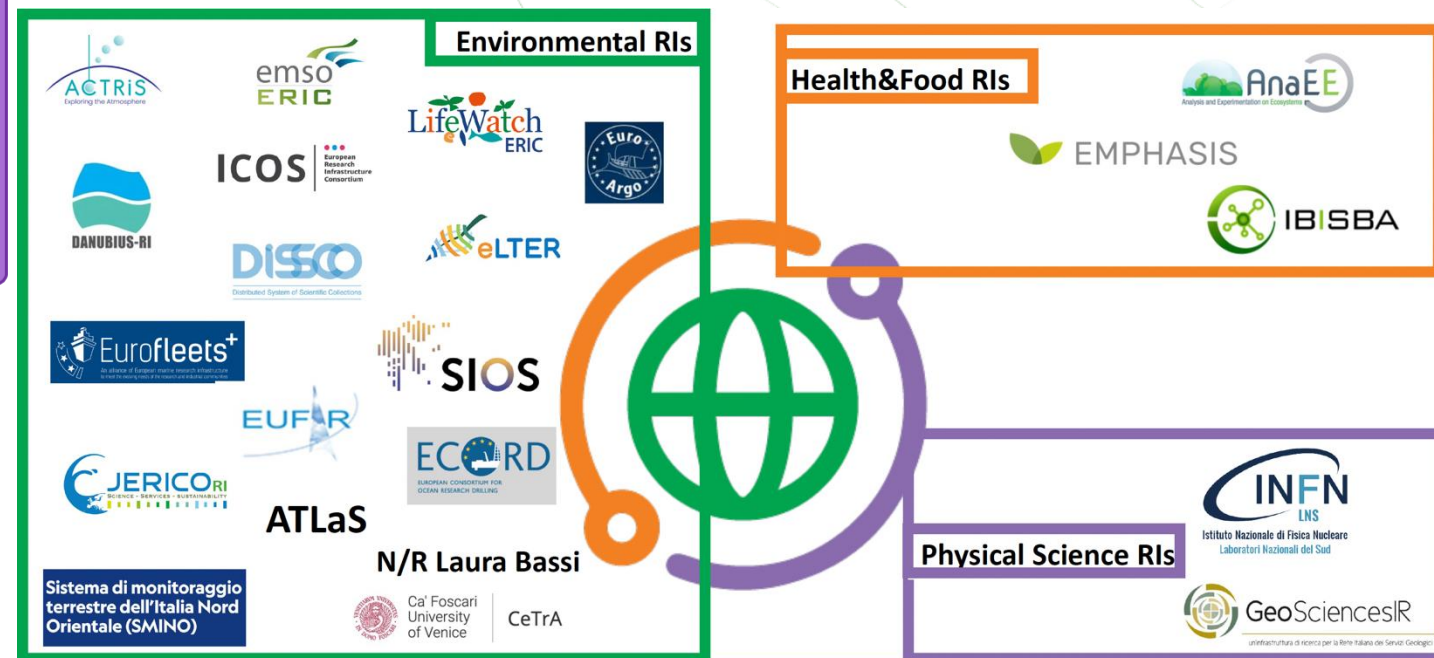
- CNR-ISMAR Naples, Italy
- Mauro Caccavale & Antonio Novellino

IR0000032 – ITINERIS, Italian Integrated Environmental Research Infrastructures System
(D.D. n. 130/2022 - CUP B53C22002150006) Funded by EU - Next Generation EU PNRR-
Mission 4 “Education and Research” - Component 2: “From research to business” - Investment
3.1: “Fund for the realisation of an integrated system of research and innovation infrastructures”

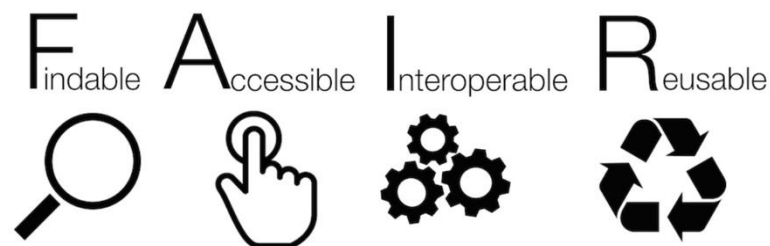
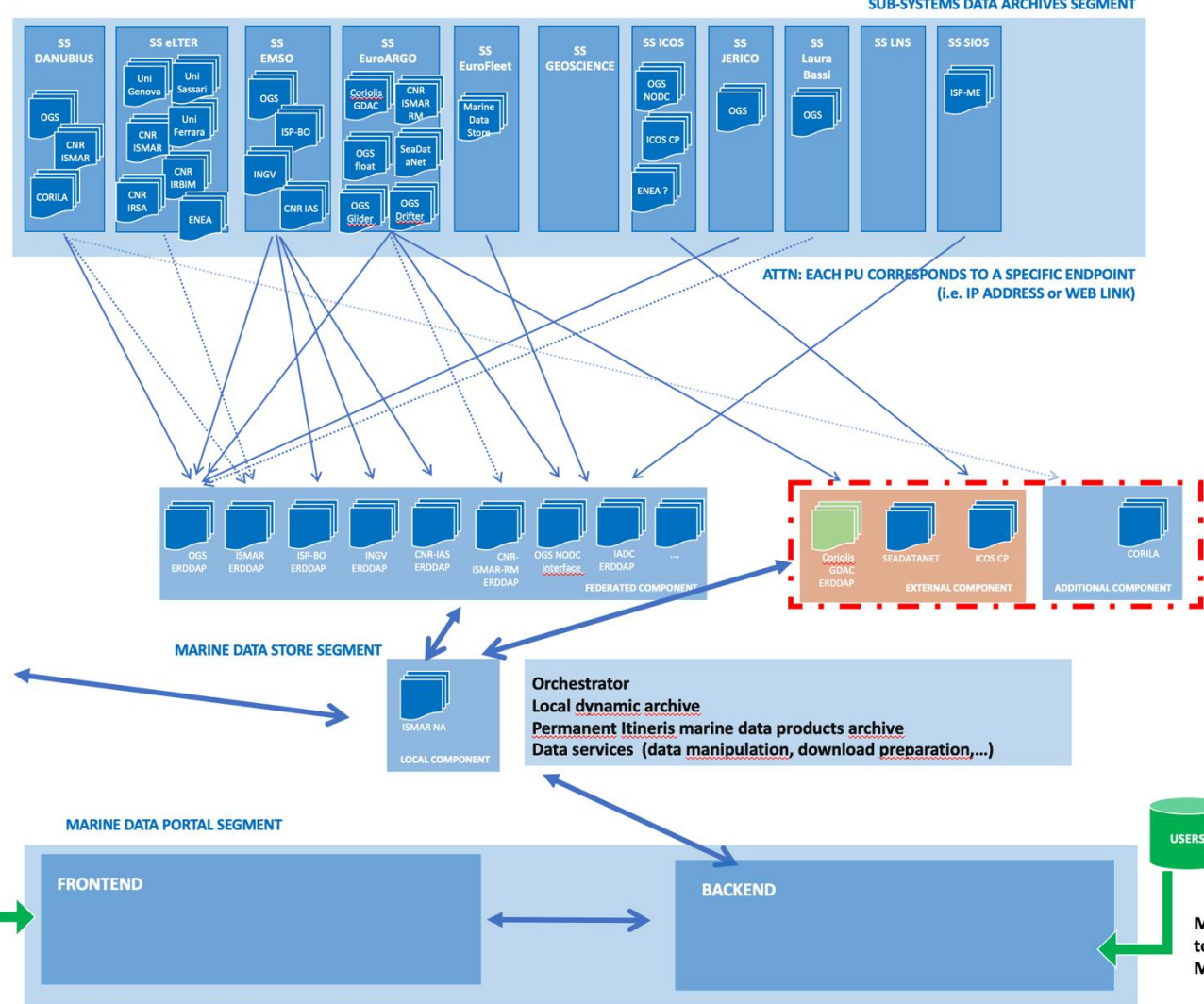
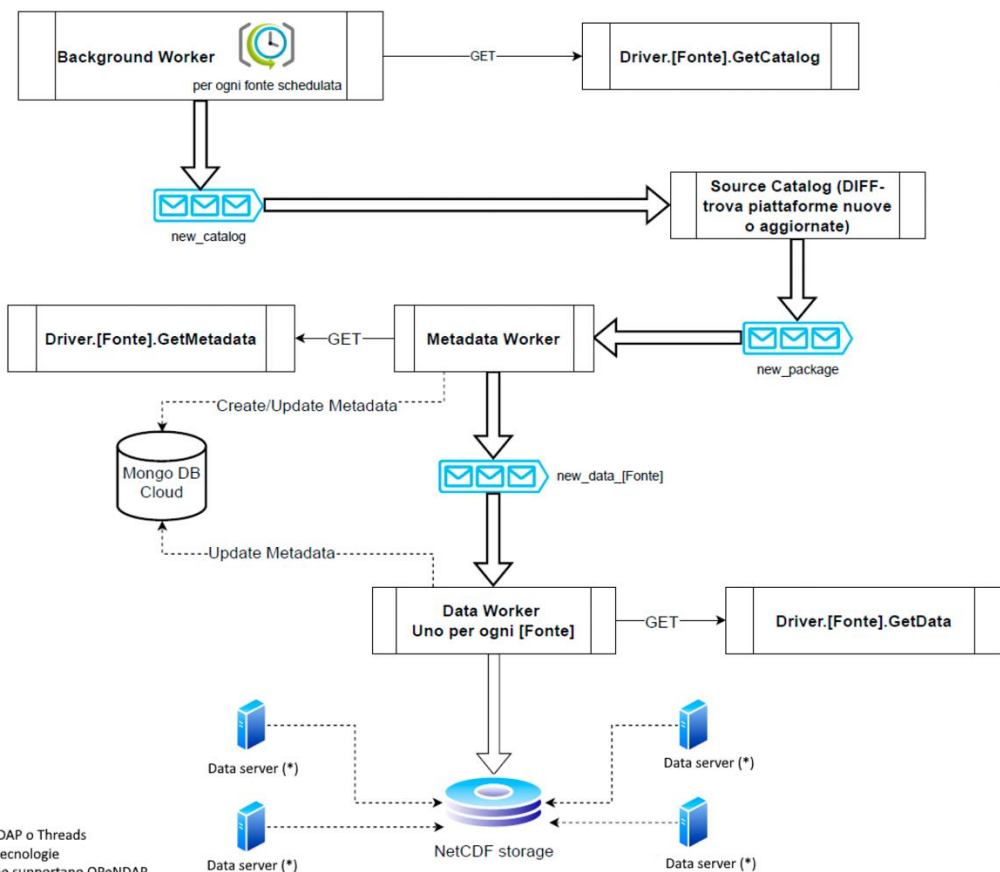
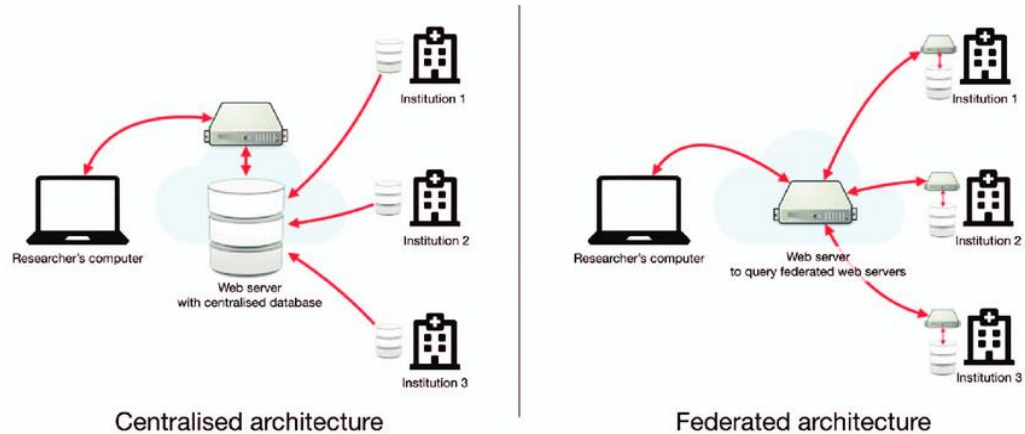


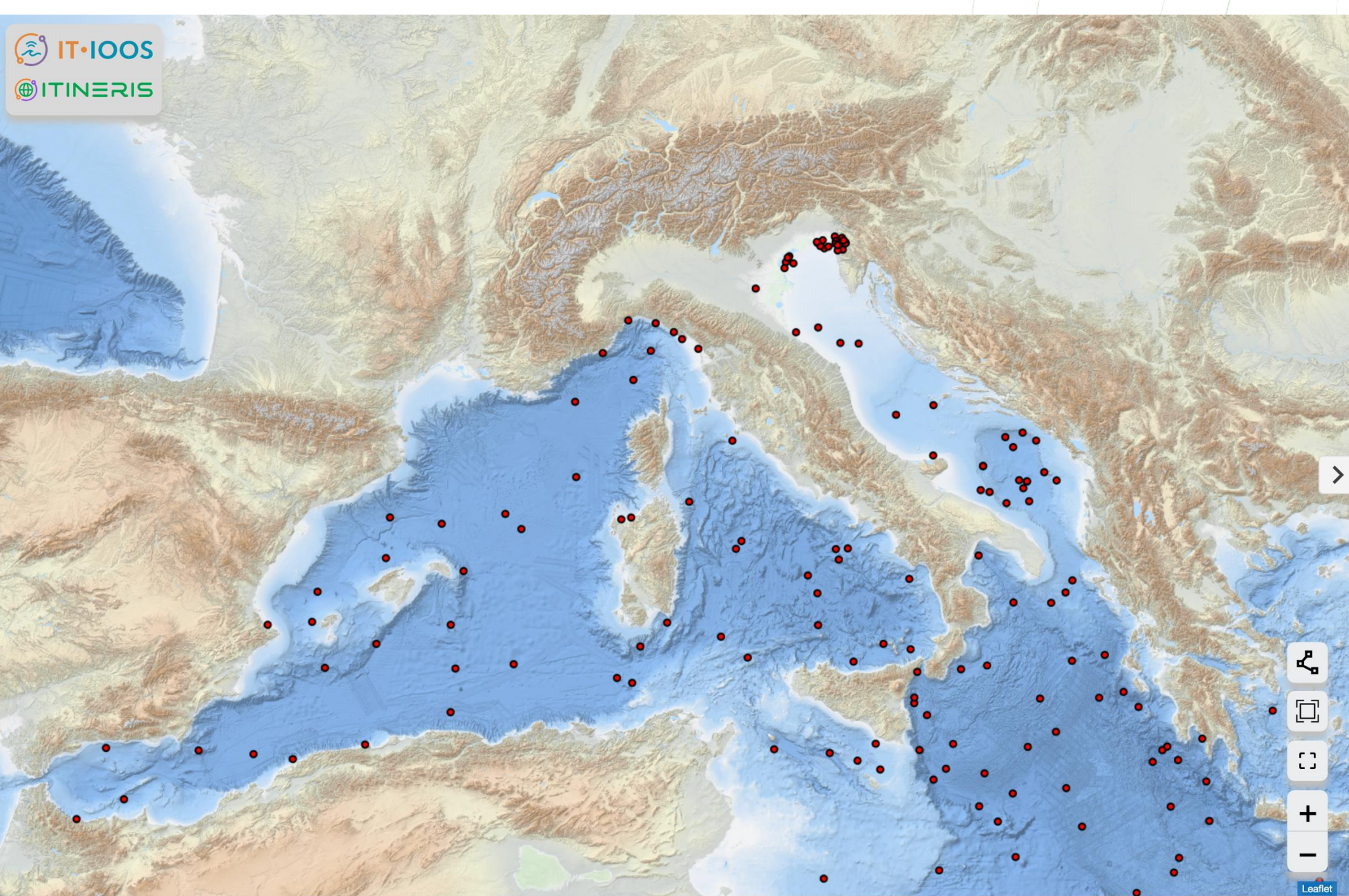


4 HUB 7 Partners
 1 Virtual LAB 39 OU
 ~500 units 22 RI
 ~5Pb marine



one portal for marine data





Filters 

time 

depth (m) 

integrated variables 

EOV 

ECV 

research infrastructure 

Euro-Argo

DANUBIUS-RI

eLTER-RI

JERICO-RI

ICOS



CNR, NATIONAL RESEARCH COUNCIL, INSTITUTE OF MARINE SCIENCE

Platform Name:

HFR_TIRLIG_PFIN

Codes:

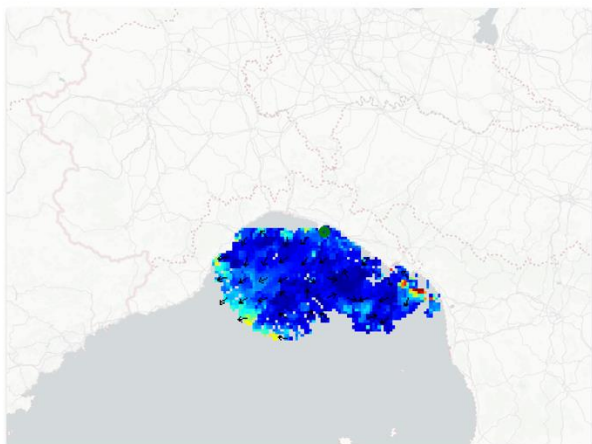
HFR_TIRLIG_PFIN

Projects:

RITMARE, IMPACT, Jerico-Next, EuroSea, SINAPSI

Type:

HF Radar Radial



Login

Dataset store

Filters



time



depth (m)



integrated variables



EOV



ECV



research infrastructure



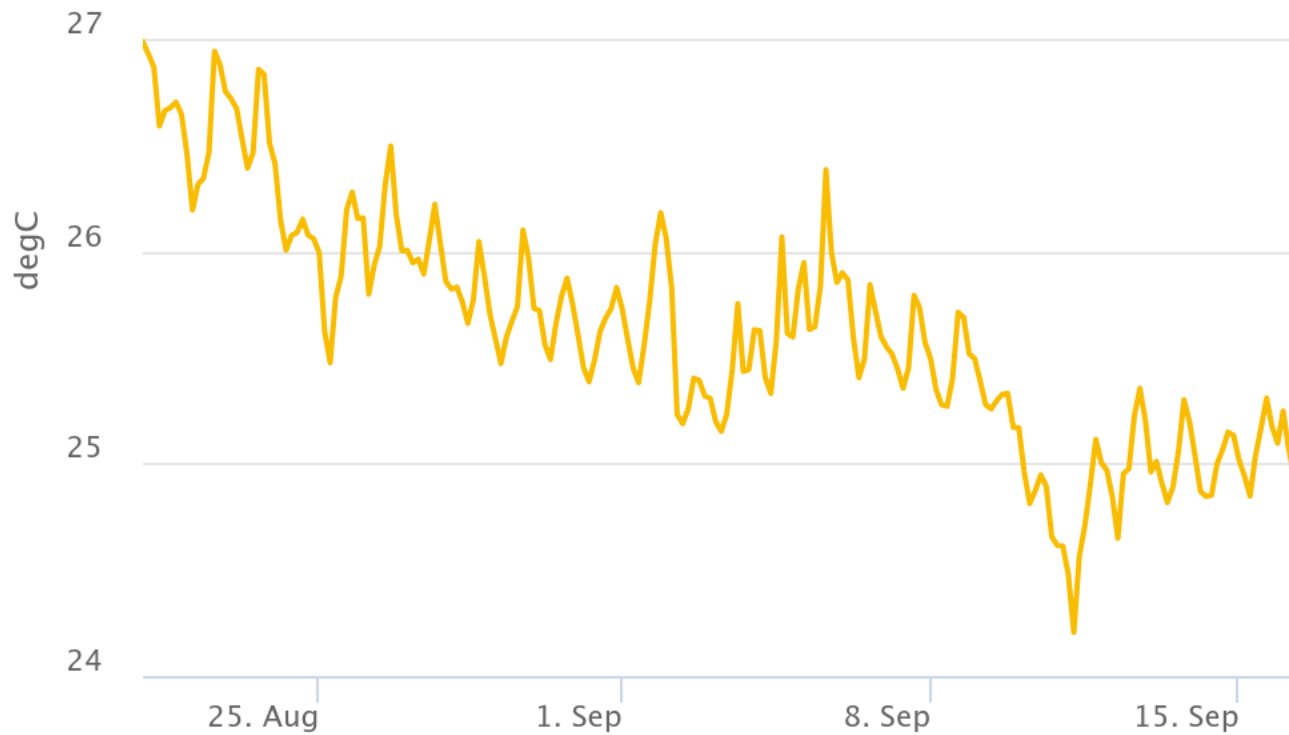
Euro-Argo

DANUBIUS-RI

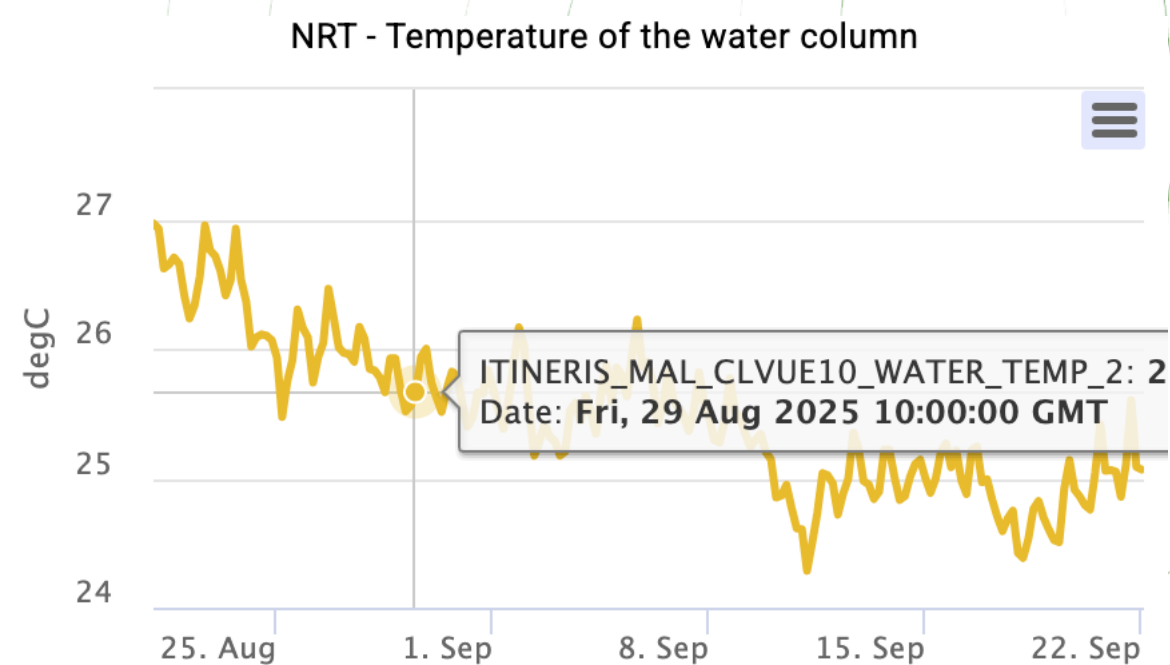
eLTER-RI

JERICO-RI

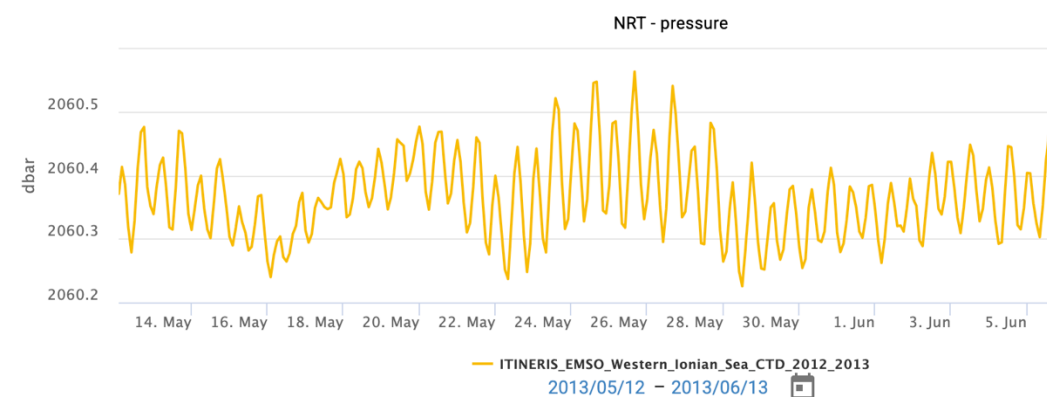
ICOS



— ITINERIS_MAL_CLVUE10_WATER_TEMP_2



— ITINERIS_MAL_CLVUE10_WATER_TEMP_2
2025/08/21 – 2025/09/22



	A	B
1	DateTime	ITINERIS_EMSO_Western_Ionian_Sea_CTD_2012_2013
2	2013-05-12T02:02:19Z	2060.364
3	2013-05-12T03:02:19Z	2060.379
4	2013-05-12T04:02:19Z	2060.415
5	2013-05-12T05:02:19Z	2060.413
6	2013-05-12T06:02:19Z	2060.388
7	2013-05-12T07:02:19Z	2060.385
8	2013-05-12T08:02:19Z	2060.333

Clarivue10 at Malamocco inlet-seawater_temperature_datastream (MAL CLVUE10 WATER TEMP 2)

Temperature of the water column at -2 m depth datastream

ISMAR

+

Clarivue10 at San Nicolo inlet-seawater_temperature_datastream (SN CLVUE10 WATER TEMP 2)

Temperature of the water column at -2 m depth datastream

ISMAR

+

Clarivue10 at Treporti inlet-seawater_temperature_datastream (TRP CLVUE WATER TEMP 2)

Temperature of the water column at -2 m depth datastream

ISMAR

+

Clarivue10 at Malamocco inlet-seawater_turbidity_datastream (MAL CLVUE10 WATER TURB 2)

Turbidity (Nephelometric Turbidity Units (NTU)) of seawater at Malamocco inlet -2 m depth datastream

ISMAR

Clarivue10 at San Nicolo inlet-seawater_turbidity_datastream (SN CLVUE10 WATER TURB 2)

Turbidity (Nephelometric Turbidity Units (NTU)) of seawater at San Nicolo inlet -2 m depth datastream

ISMAR

+

Clarivue10 at Treporti inlet-seawater_turbidity_datastream (TRP CLVUE10 WATER TURB 2)

Turbidity (Nephelometric Tu

ISMAR

Your selection

Clarivue10 at Malamocco inlet-seawater_turbidity_datastream (MAL CLVUE10 WATER TURB 2)

CTD data set from mooring S1 @ 1000 m (s1 ctd)

Timeseries recorded at the mooring S1, at nominal depth of 1000 m during different deployments. The scope of the measurements is to study the temporal variability of the thermohaline properties of the Norwegian Deep Water, and associated deep flow.

N/A

+

CURRISO timeSeries, NRT in situ Observations (CURRISO TS)

CURRISO timeSeries, Near Real Time (NRT) in situ Observations

Subsurface TemperatureRiver Discharge

JERICO

+

DWRG2 timeSeries, NRT in situ Observations (DWRG2 TS)

DWRG2 timeSeries, Near Real Time (NRT) in situ Observations

CURRISO profile, NRT in situ Observations (CURRISO PR)

CURRISO profile, Near Real Time (NRT) in situ Observations

Subsurface Currents

JERICO

DWRG1 timeSeries, NRT in situ Observations (DWRG1 TS)

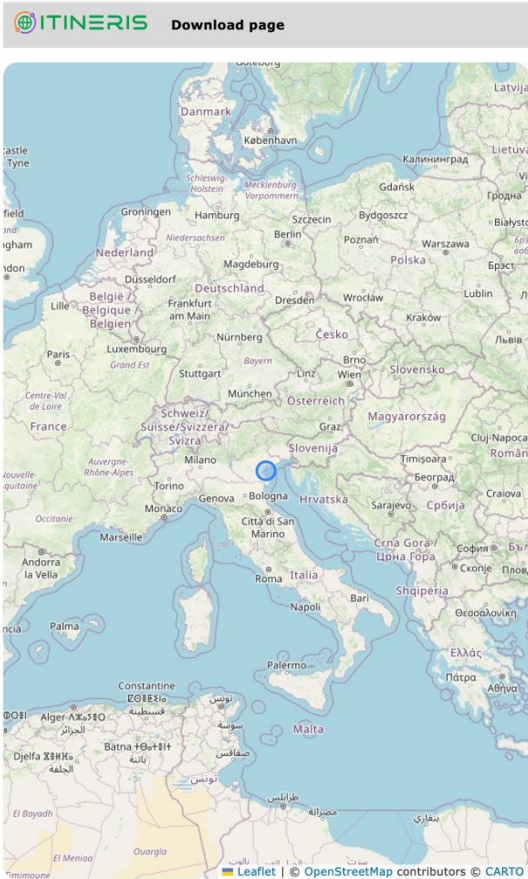
DWRG1 timeSeries, Near Real Time (NRT) in situ Observations

Sea State

JERICO

DWRG3 timeSeries, NRT in situ Observations (DWRG3 TS)

DWRG3 timeSeries, Near Real Time (NRT) in situ Observations



Data

ITINERIS_MAL_CLVUE10_WATER_TURB_2

cdm_data_type: TimeSeries

creator_name: Istituto di Scienze Marine del Consiglio Nazionale delle Ricerche

creator_type: institution

creator_url: http://www.ismar.cnr.it

data_update: 2025-05-23T09:11:25.678962Z

dataset_id: ITINERIS_MAL_CLVUE10_WATER_TURB_2

depthrange: ;-1;;0;

geospatial_lat_max: 45.333646

geospatial_lat_min: 45.333646

geospatial_lat_units: degrees_north

geospatial_lon_max: 12.32811

geospatial_lon_min: 12.32811

geospatial_lon_units: degrees_east

geospatial_vertical_max: 0

Download

Date

Select date range

Parameters

Select ParametersNew Parameters

resultTime

seawater_turbidity

resultQuality

depth

Download

FILTERS

Temperature of the water column at -2 m depth datastream



Turbidity (Nephelometric Turbidity Units (NTU)) of seawater at Malamocco inlet -2 m depth datastream



Clarivue10 at Malamocco inlet-
seawater_turbidity_datastream (MAL
CLVUE10 WATER TURB 2)

ect Parameters

Country*

Reference community

☐ Are you part of the scientific community? ☐ Are you part of the private sector? ☐ Are you part of the education sector? ☐ Other (please specify)

Purpose of data usage

☐ Research ☐ Commercial ☒ Other (please specify)

Cancel Confirm

Temperature of the water column at



Temperature of the water column at

CTD data set from moor

Timeseries recorded at the mooring the measurements is to study the temperature, water, and associated deep flow.

N/A

CURRISO timeSeries, NF

CURRISO timeSeries, Near Real Time

Subsurface Temperature

JERICO

DWRG2 timeSeries, NRT

DWRG2 timeSeries, Near Real Time

Download

Server numbers

Startup Time: 03/13/2025 16:58:19 GMT+1

Response Succeeded (Since Startup): 698

Response Failed (Since Startup): 0

Active dataset

- ITINERIS_BB_567_SBE56
- ITINERIS_BB_584_SBE56
- ITINERIS_BB_591_SBE56
- ITINERIS_FF_700_SBE56
- ITINERIS_BB_505_ADCP
- ITINERIS_BB_595_CTD
- ITINERIS_FF_644_ADCP

Inactive dataset

- ITINERIS_BB_591_SBE56

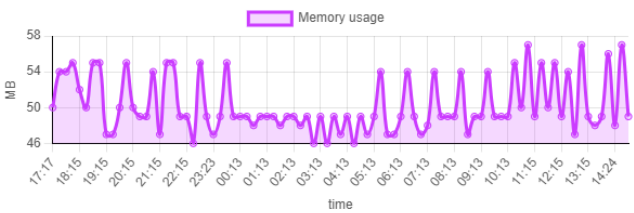
Successful requests



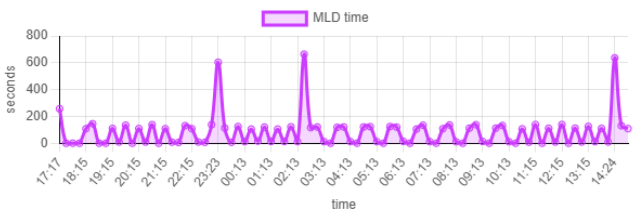
Failed requests



Memory usage



Major Load Datasets



Datasets

7

Last update 03/14/2025



Institutions

1

Last update 03/14/2025



0

Publishers



1

Sources



4

Variables



5

ECVs

Datasets area



03 14 2010

First dataset time



04 06 2024

Last dataset time

FAIRsharing.org

standards, databases, policies



 [10.25504/FAIRsharing.12b144](https://doi.org/10.25504/FAIRsharing.12b144) 

Knowledgebase and repository

Database

re3data.org
REGISTRY OF RESEARCH DATA REPOSITORIES



OpenDOAR



THANKS!

IR0000032 – ITINERIS, Italian Integrated Environmental Research Infrastructures System
(D.D. n. 130/2022 - CUP B53C22002150006) Funded by EU - Next Generation EU PNRR-
Mission 4 "Education and Research" - Component 2: "From research to business" - Investment
3.1: "Fund for the realisation of an integrated system of research and innovation infrastructures"



Finanziato
dall'Unione europea
NextGenerationEU



Ministero
dell'Università
e della Ricerca



Italiadomani
INIZIATIVA NAZIONALE
PER IL FUTURO

