



**Preparatory Actions for
European Marine Observation and Data Network
MARE 2010/02 - Physical Parameters [SI2.579120]**

**Knowledge base for growth and innovation in ocean
economy: assembly and dissemination of marine data
for seabed mapping
MARE/2012/10 - Lot 6 Physics [SI2.656795]**



A Novellino G Manzella D Schaap S Pouliquen L Rickards P Gorrige

EMODnet Physics

EMODnet Physics objectives

- Provides **free and open access to marine real-time and archived data on physical conditions** as monitored by:
 - Fixed Stations¹, Ferrybox¹, (Euro)Argo², Gliders², HF Radars²
- **Parameters:**
 - Sea Temperature¹, Sea Level¹, Sea Salinity¹, Winds¹, Waves¹, Sea Currents¹, Light Attenuation¹, Ice Coverage², Sea Level trends²
- **Geographical coverage:**
 - All the European Sea Basins
- **Make layers of physical data and metadata available**
- **Determine how well data meets the need of users**
- **Contribute towards the definition of an operational European Marine Observation and Data Network**



¹MARE/2010/06 (2011-2013)

²MARE/2012/10 Lot 6 (2013 – 2016)

contacts@emodnet-physics.eu

EMODnet Physics

EMODnet Physics objectives in practice:

- Provide a **single point of access** to marine near real time and achieved data
- Build up on **existing infrastructures** by adding value – no unless complexity
- Provide a **System of Systems** to ensure data access to any user
(INSPIRE compliant, WMS, WFS, etc)
- Facilitate integration and interoperability with further systems
- Bring together the main European Marine Observation and Data Communities
(EuroGOOS, MyOcean, SeaDataNet, etc)
- Attract new and better data and new data owners/providers
- Attract new users and stakeholders
- Full engagement of the EuroGOOS ROOSs and ROOSs Chairs*
(50% of the budget to empower ROOSs data interoperability infrastructure)

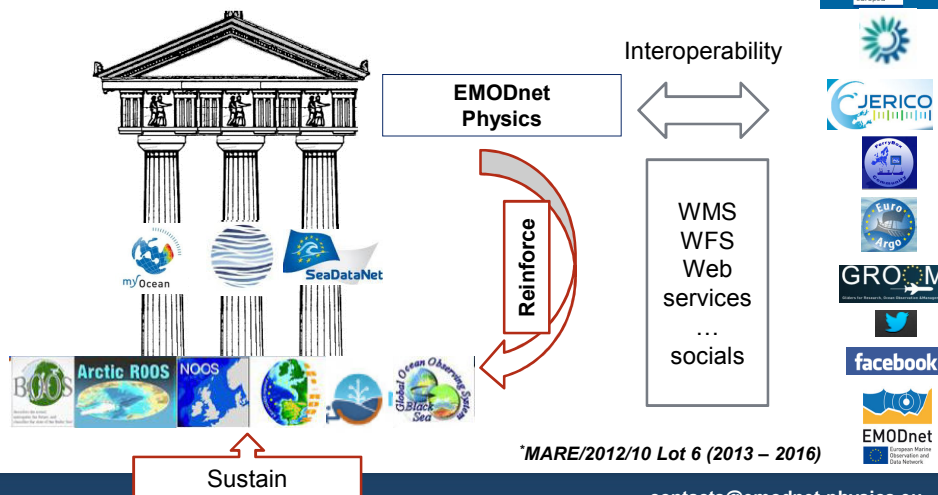


*MARE/2012/10 Lot 6 (2013 – 2016)

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EMODnet Physics

Marine Data Observation Infrastructures in Europe and EMODnet Physics approach



*MARE/2012/10 Lot 6 (2013 – 2016)

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EMODnet Physics

EMODnet Physics - Planning																																					
WP	Activity Description	Phase 1						Phase 2						Phase 3																							
		Year 1						Year 2						Year 3																							
	Time Frame																																				
1.	Project management																																				

Activities:

On going

- o ROOSs engagement (activities details)
- o (Map) portal with improved features, accessibility, interoperability
- o New backoffice services to better control data and info flow
- o Spatial gap analysis (new platform from already connected institutes)
- o Temporal gap analysis (more and better data via ROOS and SDN)
- o new data provider (Croatia, Malta, Cyprus, ...)
- o Data (platform) type gap analysis - new data and metadata (Argos, Gliders, Ships...)
- o Working groups on new data and metadata
- o Renovation of the portal and his contents (more docs and info)
- o Organization of EGU splinter session on EMODnet (29° April - Wien)
- o ...

5.2	sustainability																														
5.3	Assess, validate the operationality of the Information System																														

EMODnet Physics

EMODnet Pilot Portal For Physical Parameters
 Home Access to Data Background User's guide Documents Contributors

Welcome to EMODnet - Physical Parameters

The EMODnet Physical Parameters portal is aimed at providing layers of physical data and metadata available for use by public authorities, scientists and industry, and contribute towards the definition of an operational European Marine Observation and Data Network (EMODnet) and contribute to developing of the definition of the Global Monitoring for Environment and Security (GMES) marine core service.

The portal is being developed by a European consortium and operated in a cooperation between EuroGOOS, its Regional components (ROOSs), and exploiting SeaDataNet and MyOcean infrastructures and services bringing together many marine data users and providers.

The EMODnet Physical Parameters portal provides access to near real time and archived data series from fixed stations and ferry box lines in the European Sea and provides OGC services (WMS, WFS, and WCS) for data discovery, view and download.



EMODnet-Physics Test System

News from web

Europe still playing catch-up on air pollution, despite reduction successes
 Many Europeans still exposed to harmful air pollutants

More

Meetings

ROOS General Assembly - Trieste, Italy
 WMO WFP Annual Meeting - Tallinn, Estonia

Tag Cloud

bdc bsh cnr emodnet enea
 eurogoos homr myocean
 seadatanet

INSPIRE Services

DISCOVER

VIEW

DOWNLOAD

WMS/WFS

Data Policy

Open & Free

www.emodnet-physics.eu



contacts@emodnet-physics.eu

EMODnet Physics

EMODnet Pilot Portal For Physical Parameters
 European Marine Observation and Data Network

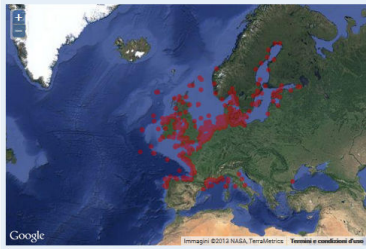
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boas bash cnr emodnet enea
 eurogoos hcmr myocean
 seadatanet

INSPIRE Services

DISCOVER

VIEW

DOWNLOAD

WMS/WFS

Data Policy

Open & Free

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PH PHYSICS DOWNLOAD

Platform: 61001

NRT PLOT PLATFORM INFO DATA AVAILABILITY

MONTHLY TIME SERIES DATA AVAILABILITY

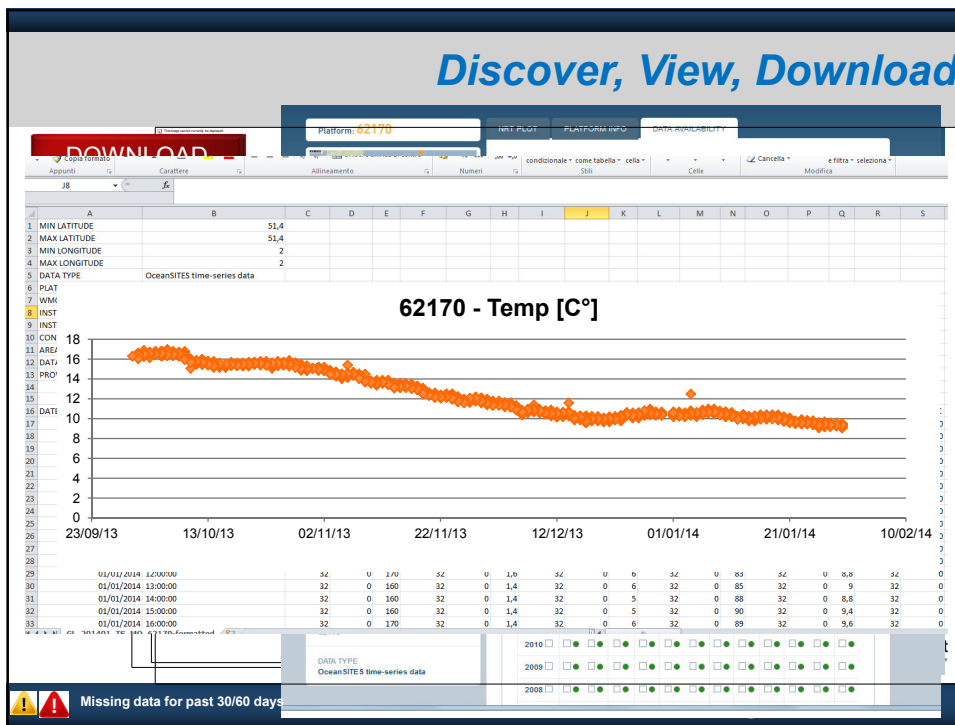
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2012	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

La Spezia - TEMP @ 12:00:00

La Spezia - VTDR

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Discover, View, Download

data from platforms list

Name	Dimensione compressa	Dimensione originale	Ultima modifica	Creato	Ultimo accesso	Attributi	Cifrato	Commento	CRC
613120_summary.csv	69.838	69.838	2014-01-27 11:38	2014-01-16 12:34	2014-01-27 11:38	A	-		65A8E8E
613121_summary.csv	70.203	70.203	2014-01-27 11:38	2014-01-16 12:34	2014-01-27 11:38	A	-		0528640
613122_summary.csv	538.518	538.518	2014-01-27 11:43	2014-01-27 11:43	2014-01-27 11:43	A	-		0D9F894
613123_summary.csv	213.420	213.420	2014-01-27 11:43	2014-01-27 11:43	2014-01-27 11:43	A	-		A91C048
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613126_summary.csv	120.277	120.277	2014-01-27 11:38	2014-01-27 11:38	2014-01-27 11:38	A	-		50C38C4
613127_summary.csv	396.198	396.198	2014-01-27 11:42	2014-01-27 11:42	2014-01-27 11:42	A	-		98C1D96
613128_summary.csv	477.997	477.997	2014-01-27 11:43	2014-01-27 11:43	2014-01-27 11:43	A	-		7C08936
613129_summary.csv	54.204	54.204	2014-01-27 11:38	2014-01-16 12:34	2014-01-27 11:38	A	-		C200729
613130_summary.csv	56.441	56.441	2014-01-27 11:38	2014-01-16 12:34	2014-01-27 11:38	A	-		A3E8C1D
613131_summary.csv	52.225	52.225	2014-01-27 11:38	2014-01-27 11:38	2014-01-27 11:38	A	-		5303008
613132_summary.csv	1.149.305	1.149.305	2014-01-27 11:38	2014-01-27 11:38	2014-01-27 11:38	A	-		1794442
613133_summary.csv	53.378	53.378	2014-01-27 11:38	2014-01-27 11:38	2014-01-27 11:38	A	-		8893028
613134_summary.csv	80.102	80.102	2014-01-27 11:38	2014-01-27 11:38	2014-01-27 11:38	A	-		9143189
613135_summary.csv	28.284.724	28.284.724	2014-01-27 11:38	2014-01-27 11:38	2014-01-27 11:38	A	-		2011319
613136_summary.csv	520.771	520.771	2014-01-27 11:43	2014-01-27 11:43	2014-01-27 11:43	A	-		C403214
613137_summary.csv	86.059	86.059	2014-01-27 11:38	2014-01-27 11:38	2014-01-27 11:38	A	-		9690214
613138_summary.csv	78.012	78.012	2014-01-27 11:38	2014-01-27 11:38	2014-01-27 11:38	A	-		0699599
613139_summary.csv	173.804	173.804	2014-01-27 11:38	2014-01-27 11:38	2014-01-27 11:38	A	-		0209537
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613141_summary.csv	80.885	80.885	2014-01-27 11:38	2014-01-27 11:38	2014-01-27 11:38	A	-		28C78D0
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613143_summary.csv	62.997	62.997	2014-01-27 11:39	2014-01-27 11:39	2014-01-27 11:39	A	-		60634C0
613144_summary.csv	80.568	80.568	2014-01-27 11:39	2014-01-27 11:39	2014-01-27 11:39	A	-		02C5A0D
613145_summary.csv	681.697	681.697	2014-01-27 11:39	2014-01-27 11:39	2014-01-27 11:39	A	-		0756FA7
613146_summary.csv	595.794	595.794	2014-01-27 11:39	2014-01-27 11:39	2014-01-27 11:39	A	-		F3A2D1E
613147_summary.csv	622.482	622.482	2014-01-27 11:39	2014-01-27 11:39	2014-01-27 11:39	A	-		277861A
613148_summary.csv	89.487	89.487	2014-01-27 11:39	2014-01-27 11:39	2014-01-27 11:39	A	-		C0F9A21
613149_summary.csv	80.766	80.766	2014-01-27 11:39	2014-01-27 11:39	2014-01-27 11:39	A	-		60FEEEE
613150_summary.csv	543.134	543.134	2014-01-27 11:43	2014-01-27 11:43	2014-01-27 11:43	A	-		9E1C9E9
613151_summary.csv	575.279	575.279	2014-01-27 11:43	2014-01-27 11:43	2014-01-27 11:43	A	-		AC3C108
613152_summary.csv	204.408	204.408	2014-01-27 11:43	2014-01-27 11:43	2014-01-27 11:43	A	-		96327E2
613153_summary.csv	483.904	483.904	2014-01-27 11:43	2014-01-27 11:43	2014-01-27 11:43	A	-		801D9FA
613154_summary.csv	464.641	464.641	2014-01-27 11:43	2014-01-27 11:43	2014-01-27 11:43	A	-		62089FE
613155_summary.csv	500.000	500.000	2014-01-27 11:43	2014-01-27 11:43	2014-01-27 11:43	A	-		743020E

contact@emodnet-physics.eu

CDI discover, view and data request

Shopping basket (Cart: 10 Dataset(s) Proceed to check out Reset basket Export Timers: 0:00)

EMODnet Pilot portal for Physics Data Discovery and Access Service

Requesting Datasets

During this session you have selected the following data sets. You can shop for more or continue the ordering dialogue by submitting to finalize your order request and have it processed. When submitting you will have to log-in with your user registration details or register then first. Thereafter you can finalise your order request by deselect items, indicating which format type you require and whether you also want to include related publications (if available).

IMPORTANT NOTICE
 Downloading of data sets is only possible for registered users. Access to datasets might be restricted. In that case your request will be handled by the contact person of the Seadatanet Data Centre managing the specific datasets. You will be able to follow the progress of all your requests via your personal account in the Request Status Manager, using your user id - password.

Search for more Cancel request Submit request

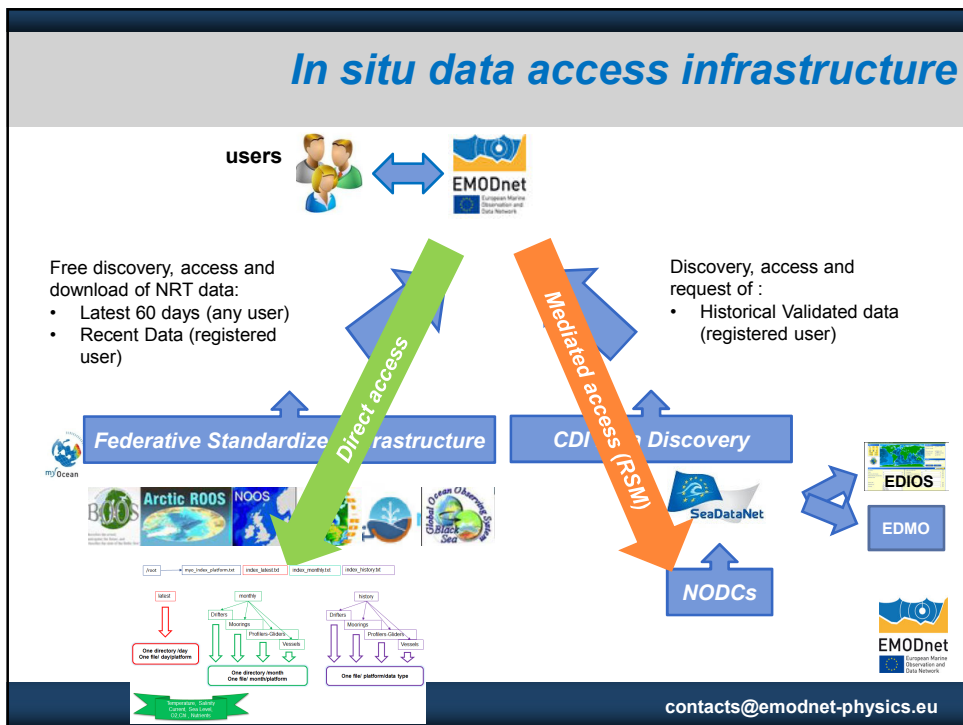
If you would like to continue searching (to add more to your request list) click **Search for more**.
 If you are satisfied with your request list then click on **Submit order**.

The number of data-requests per shopping session has a maximum of 500 datasets.

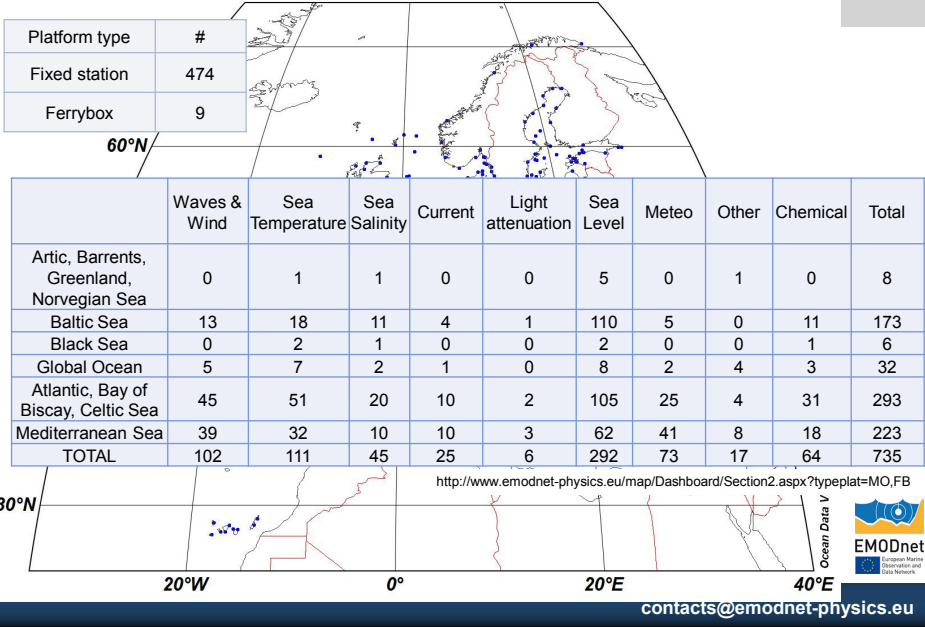
CDI record id	Dataset Name	Site(s)
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1032951	988/1997/001	SeaDataNet licence
1032952	988/1998/001	SeaDataNet licence
1032953	988/1999/001	SeaDataNet licence
1033253	988/2000/001	SeaDataNet licence
1033313	988/2001/001	SeaDataNet licence

YEAR: 1999
 Coastal location - Bournemouth Physical oceanography - Sea level sea level recorders

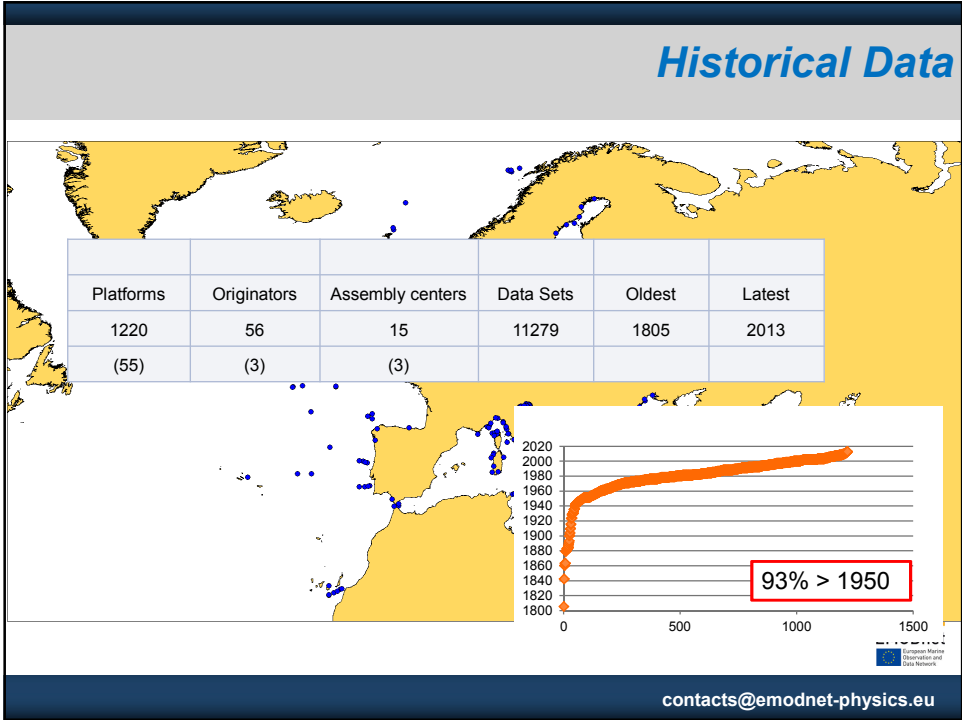
In situ data access infrastructure



Recent data



Historical Data



Interoperability services statistics

EMODnet 2 PHYSICS Home Dashboard Home Web Service ASMX Home EMODnet WMS Clean address bar

Il file XML, specificato apparentemente non ha un foglio di stile associato. L'albero del documento è mostrato di seguito.

Method

Platform code	Lat	Lon	Type	Data owner	EDMO	Country	CDI id	Last update	Parameters group
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13131	28	-16,58	MO	Puertos del Estado	2751	Spain	N.D.	2014-02-16 18:10	
1665e	-13,315	44,324	MO	N.D.	N.D.	N.D.	N.D.		
4106e	16,536	-61,400	MO	CEMEE	1300	France	N.D.	2013-11-04 07:41	
61277	37,523	25,462	MO	HCMR	141	Greece	N.D.	2014-02-16 05:15	
61280	40,68	1,47	MO	Puertos del Estado	2751	Spain	N.D.	2014-02-16 18:10	
61281	39,52	0,2	MO	Puertos del Estado	2751	Spain	N.D.	2014-02-16 18:10	
61284	43,189	-6,962	MO	JERICO	488	France	N.D.	2014-02-16 21:41	

Available interoperability services

Web Service
<http://www.emodnet-physics.eu/map/Dashboard/Default.aspx>

WMS/WFS
<http://www.emodnet-physics.eu/map/Service/WSEmodnet2.aspx>

Web Catalogue
<http://www.emodnet-physics.eu/map/Service/DefaultWMS.aspx>
<http://www.emodnet-physics.eu/map/Service/Catalog.aspx>

MAZARA-61208

<http://www.emodnet-physics.eu/map/Dashboard/Default.aspx> contacts@emodnet-physics.eu

Milestones

Gender 100% of total visits

Age 100% of total visits

EMODnet Physics – Users

- May 2013 - Meteo Group France
- May 2013 - Regione Liguria (IT)
 - Distretto Ligure delle Tecnologie del Mare
 - Consorzio Tecnomar
- July 2013 - Swedish ECDS (Environment Climate Data Sweden)
- September 2013 - EMODnet Secretariat, central portal, other EMODnet lots.
- November 2013 - JERICO project
- December 2013 – RINA & Dappolonia SpA

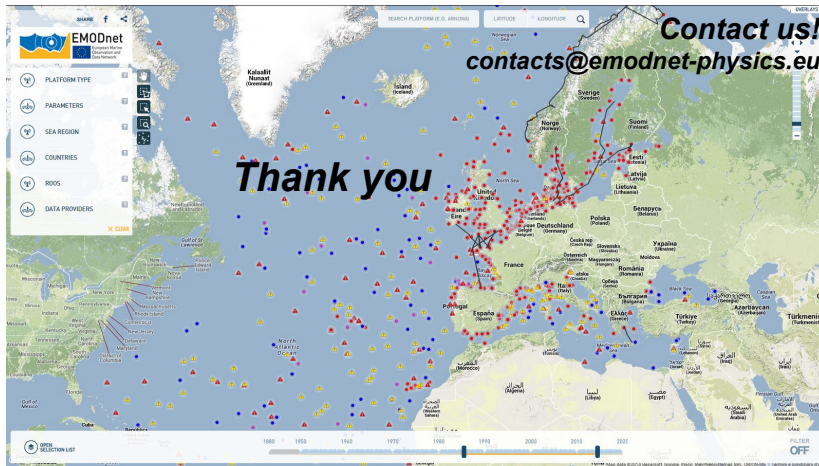
Working on
 CEFAS, GOOS, IODE – ODP, Regione Marche, TEN-T Monnalisa, COSYNA project ...

Location as reported by Google Analytics

Figures for June 2013 to December 2013.

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EMODnet Physics



www.emodnet-physics.eu
www.emodnet.eu/physics



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