



EMODnet



European Marine
Observation and
Data Network

EMODnet Thematic Lot n° 6 - HUMAN ACTIVITIES

EASME/EMFF/2016/1.3.1.2 – Lot 6/SI2.749458

Start date of the project: 03/03/2017 - (24 months)

EMODnet Phase III – Quarterly Progress Report (7)

Reporting Period: 01/10/2018 – 31/12/2018



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Disclaimer

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1 Highlights during the reporting period

- **Task 1: Develop a common method of access to data held in repositories:**
 - New dataset on algae production sites (macroalgae and microalgae) made available. The dataset was created together with the JRC, who collected information from the producers. As of today, it covers a number of establishments and their production on method. In the future, it will be expanded by adding information of species and quantities cultivated/wild-harvested.
 - Dataset on first sale of fish updated. The new version will go live in the coming days; compared to the current version, it includes data by ERS code and size of fish.
 - A test version of the dataset on Maritime Spatial Planning has been created. It will be submitted to the Member States' Expert Group on MSP for validation.
 - Polygons have been added to the dataset on aggregate extraction.
- **Task 2: Construct products from one or more data sources that provide users with information about the distribution of parameters in time and space:**
 - The raster files (by ship type and month) are under preparation. At the time of writing, the month of January 2017 has been completed for all of the available ship types. It will be uploaded on a test page of EMODnet Human Activities portal for validation by the client. The other months will follow suit. The ship types available are: Fishing, Service, Dredging or underwater ops, Sailing, Pleasure Craft, High speed craft, Tug and towing, Passenger, Cargo, Tanker, Military and Law Enforcement, Other.
- **Task 3: Develop procedures for machine-to-machine connections to data and data products: nothing to report.**
- **Task 4: Develop a web portal allowing users to find, visualise and download data:**
 - New features for the map viewer are being tested: setting layer transparency, printing maps, searching, and exporting tabular data by drawing a rectangle on the map.
- **Task 5: Ensure the involvement of regional sea conventions:**
 - A request was filed to the members of the Governing Council of the Black Sea Commission to establish cooperation and exchange of data with EMODnet Human Activities.
- **Task 6: Facilitate interoperability with data distributed by non-EU organisations: nothing to report.**
- **Task 7: Install a process to monitor performance and deal with user feedback:**
 - Originally, it was envisaged to run a user survey before the end of the contract. However, at least two surveys on EMODnet were run in the last few months; therefore, it was decided to contact selected users, mostly from industry, to enquire about their use of EMODnet data. The results of this exercise will be collated into a set of use cases to be published both on Human Activities and on the central portal.
- **Task 8: Operate a help desk offering support to users: nothing to report.**

2 Challenges encountered during the reporting period


No challenges to report.

Main challenge	Measures taken

3 User Feedback

Date	Organisation	Type of user feedback (e.g. technical, case study, etc.)	Response time
22/10/2018	Stockholm University	Question about the possibility to get the shapefile for a shellfish dataset (on the HA website you can download a geodatabase). The shapefile was sent immediately.	Instant (live chat)
25/10/2018	Sea Teach Charter & Sea School	Problems with opening the downloaded file with the data on main ports (the version available to download on the HA website is compressed in .7z). A zip version of the archive was sent.	Instant (live chat)
06/11/2018	Private person	Question about the measure in which distance from coast is expressed (meters or miles).	Instant (live chat)
13/11/2018	Cetus Innovate Limited	Request for information on wrecks in Menorca Channel between Mallorca and Menorca. It was explained that our dataset on wrecks is very limited and it was advised to consult the EMODnet Bathymetry portal.	Instant (live chat)
13/11/2018	University of York / H2020 Pericles	PERICLES is a project on maritime cultural heritage. The deputy coordinator reached out to establish a form of cooperation, so to exchange data layers	1 day (email)

4 Meetings held/attended since last report

Date	Location	Type event (meeting, training (workshop), etc.)	Attended (A) / Organised (O)	Short description and main results (# participants, agreements made, etc.)
25 October 2018.	Istanbul	34 th Regular Meeting	A	Black Sea HA data request presentation to Council members.
13-15 November 2018	Bucharest	Regional Conference	O	http://eurofish.dk/danube-conference/
3-4 December 2018	Copenhagen	7th meeting of the TG DATA	A	Minutes document:  TGDATA_7-2018-Minutes_draft.doc
7 December 2018	Amsterdam	Marine Bioeconomy Forum	A	Presentation of the dataset on algae production
SUM of O			(Total # of meetings organised)	1
SUM of A			(Total # of meetings attended)	3

5 Outreach and communication activities

Date	Communication action/material	Short description (of the material, title, ...) and/or link to the activity	Main results (# participants, # views, # press clippings, etc.)
21/12/2018	Blog	EMODnet and Extraction Activities: Feedback Opportunities http://www.emodnet-humanactivities.eu/blog/?p=958	1 view (published right at the end of the reporting period)
11/12/2018	Blog	Underwater maritime heritage: disseminating the treasure map http://www.emodnet-humanactivities.eu/blog/?p=924	33 views:
07/11/2018	Blog	Algae, the next big thing in the blue bioeconomy http://www.emodnet-humanactivities.eu/blog/?p=895	437 views:
30/10/2018	Blog	The Sound of Waves in the Mutriku Wave Energy Plant http://www.emodnet-humanactivities.eu/blog/?p=860	90 views:
02/10/2018	Blog	Achieving zero-waste from marine traffic http://www.emodnet-humanactivities.eu/blog/?p=836	48 views:
SUM ...	5		609 views

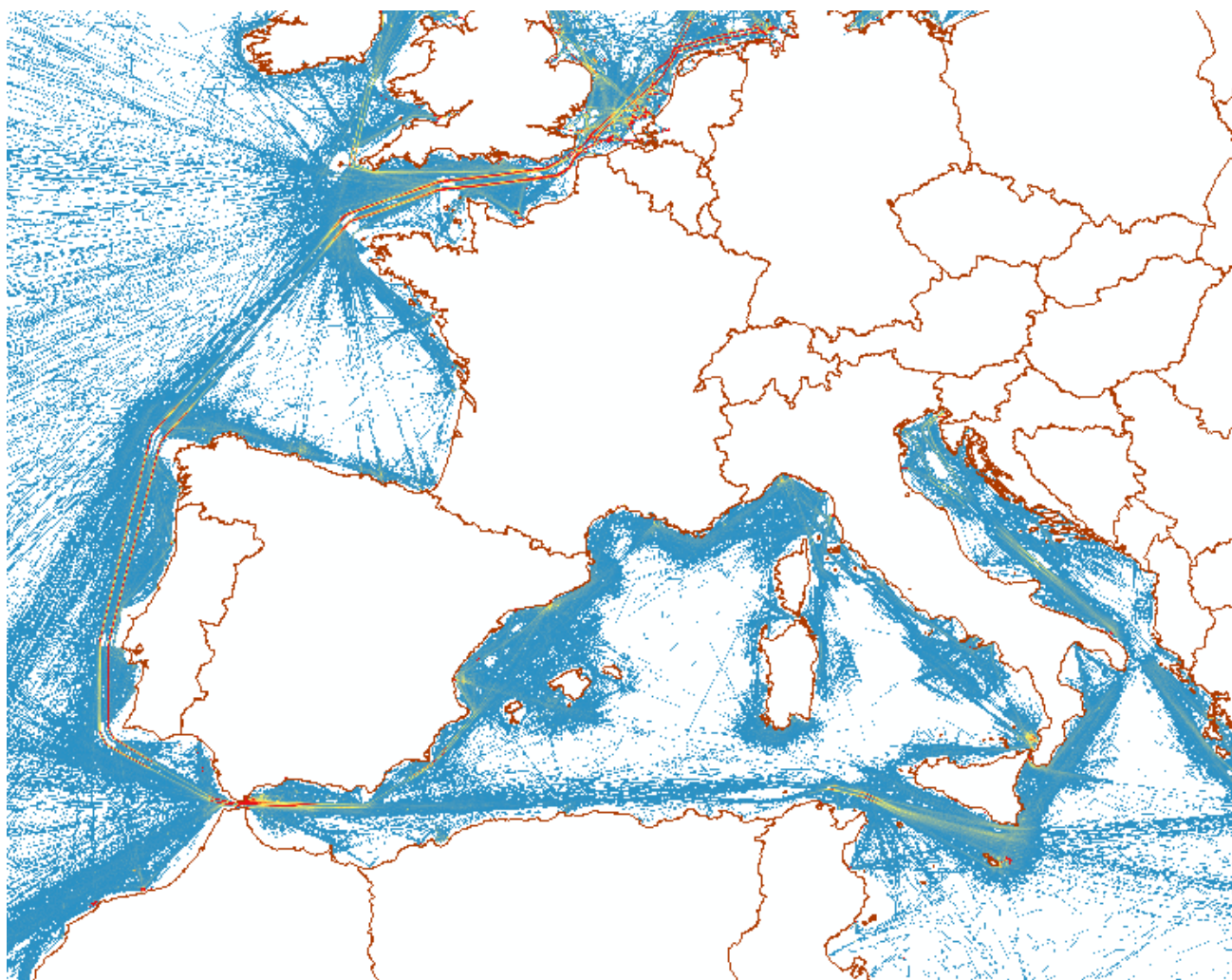
Table: List of known publications using EMODnet data or data products.

Date	Name of journal, conference, ...	Publication title	Authors	Organisation(s)
25 November 2018	Journal of the Korean Society for Marine Environment and Energy - Vol. 21, No. 4	Recent Trends and Their Implications of Marine Activities Mapping for Marine Spatial Planning	Sung-Jin Cho, Hee-Jung Choi	Transportation Research Center, Ajou University, Ocean Policy Research Department of the Korea Maritime Institute

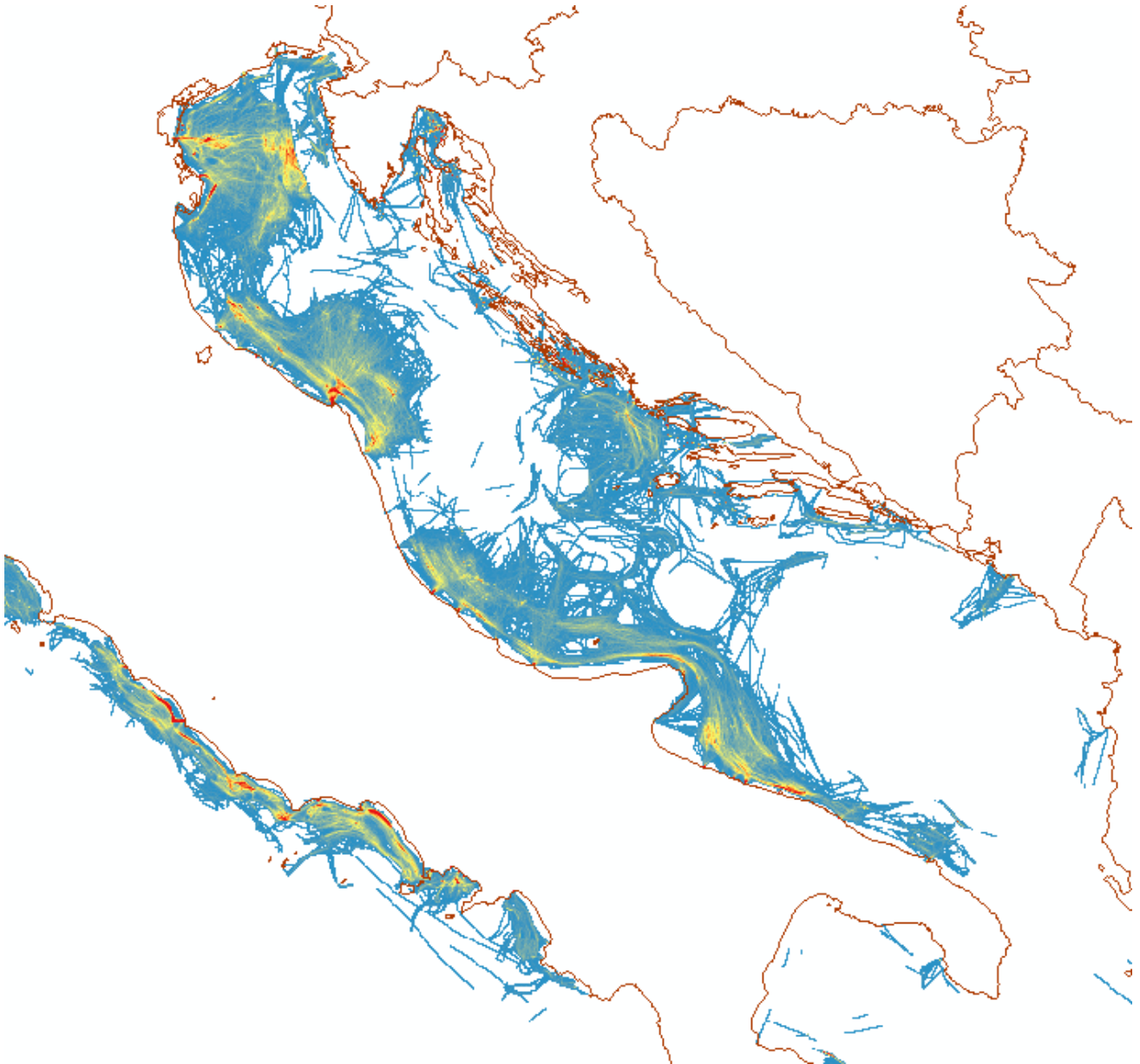
6 Annex: Other documentation attached

Examples of vessel density maps.

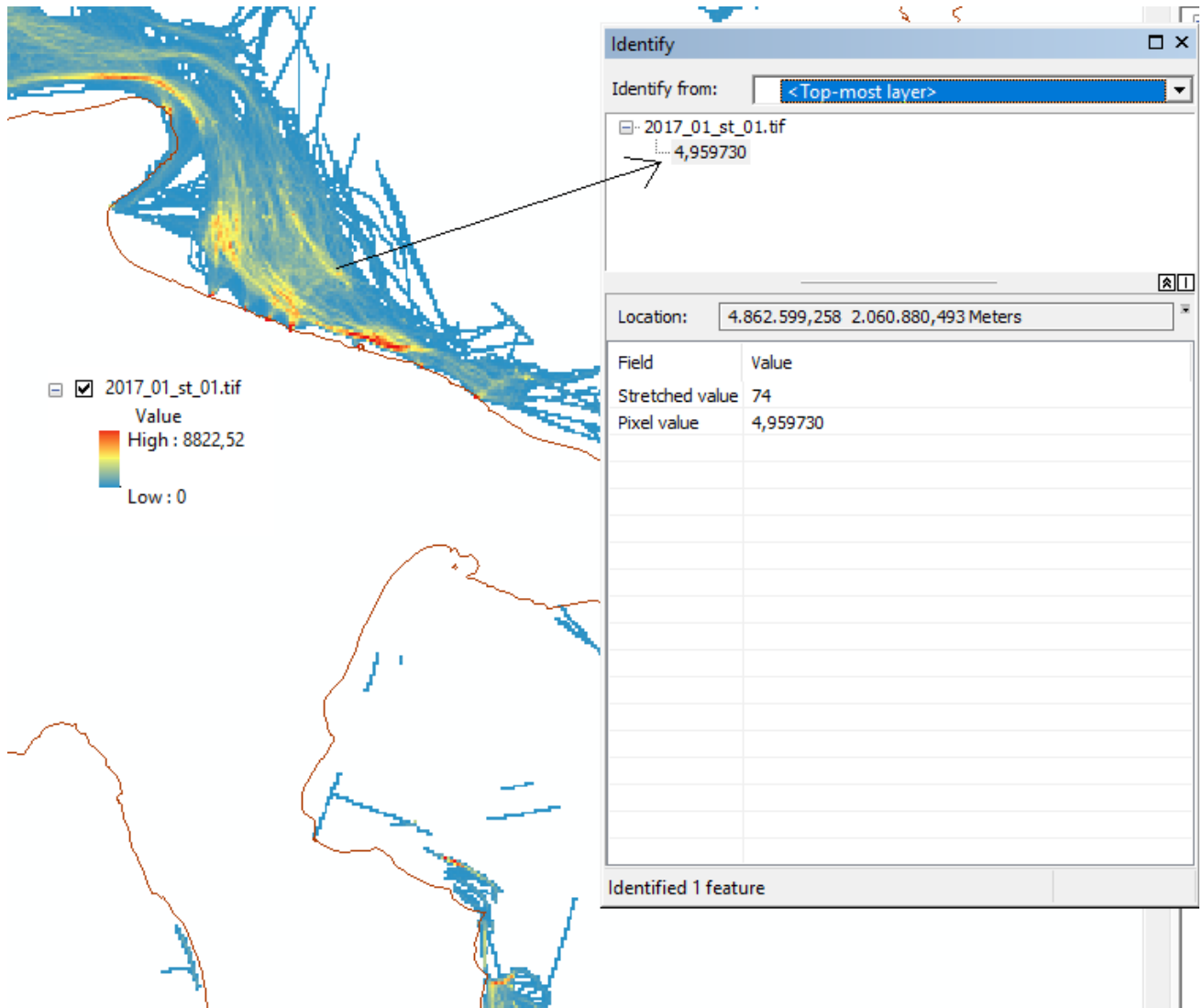
January 2017, cargo:



January 2017, fishing vessels



Values are expressed in number of hours per month per square kilometre:



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EMODnet Ship Type	Ais Ship Type Code	Ais Ship Type Description	Unique MMSI	Message count
Other	0	Not available	7875	47670321
	1	Reserved for future use	45	751130
	2	Reserved for future use	25	378518
	3	Reserved for future use	18	284132
	4	Reserved for future use	34	362119
	5	Reserved for future use	13	194868
	6	Reserved for future use	45	835182
	7	Reserved for future use	39	672969
	8	Reserved for future use	12	75587
	9	Reserved for future use	82	1141058
	10	Reserved for future use	56	1011917
	11	Reserved for future use	4	39439
	12	Reserved for future use	20	361942
	13	Reserved for future use	7	52980
	14	Reserved for future use	14	132494
	15	Reserved for future use	10	37449
	16	Reserved for future use	6	48746
	17	Reserved for future use	9	93386
	18	Reserved for future use	6	9927
	19	Reserved for future use	23	99680
	20	Wing in ground (WIG), all ships of this type	259	5976371
	21	Wing in ground (WIG), Hazardous category A	4	33477
	22	Wing in ground (WIG), Hazardous category B	12	201916
	23	Wing in ground (WIG), Hazardous category C	4	51114
	24	Wing in ground (WIG), Hazardous category D	10	128575
	25	Wing in ground (WIG), Reserved for future use	13	260922
	26	Wing in ground (WIG), Reserved for future use	8	79361
	27	Wing in ground (WIG), Reserved for future use	5	44293
	28	Wing in ground (WIG), Reserved for future use	7	1677
	29	Wing in ground (WIG), Reserved for future use	13	286215
	34	Diving ops	385	5060718
	38	Reserved	173	2414197
	39	Reserved	79	1563971
	56	Spare - Local Vessel	111	1648851
57	Spare - Local Vessel	56	856930	
59	Noncombatant ship according to RR Resolution No. 18	38	691104	
90	Other Type, all ships of this type	2418	55011184	
91	Other Type, Hazardous category A	28	430305	
92	Other Type, Hazardous category B	14	74862	
93	Other Type, Hazardous category C	12	314475	
94	Other Type, Hazardous category D	7	156693	
95	Other Type, Reserved for future use	36	654033	
96	Other Type, Reserved for future use	37	588220	
97	Other Type, Reserved for future use	151	1559107	
98	Other Type, Reserved for future use	27	442706	
99	Other Type, no additional information	2796	61865704	
100-255	Not available (local coding system)	448	1719118	
	Total Other	15494	196369943	
Fishing	30	Fishing	15012	218860291
		Total Fishing	15012	218860291
Service	50	Pilot Vessel	981	24703262
	51	Search and Rescue vessel	2195	24868741
	53	Port Tender	866	11273092
	54	Anti-pollution equipment	200	3252911
	58	Medical Transport	43	678550
	Total Service	4285	64776556	

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Dredging or underwater ops	33	Dredging or underwater ops	1447	36393788
	Total Dredging or underwater ops		1447	36393788
Sailing	36	Sailing	29155	135472662
	Total Sailing		29155	135472662
Pleasure Craft	37	Pleasure Craft	23845	156384202
	Total Pleasure Craft		23845	156384202
High speed craft	40	High speed craft (HSC), all ships of this type	684	17700813
	41	High speed craft (HSC), Hazardous category A	12	96332
	42	High speed craft (HSC), Hazardous category B	6	42833
	43	High speed craft (HSC), Hazardous category C	5	16553
	44	High speed craft (HSC), Hazardous category D	8	181177
	45	High speed craft (HSC), Reserved for future use	7	192588
	46	High speed craft (HSC), Reserved for future use	9	99330
	47	High speed craft (HSC), Reserved for future use	18	64992
	48	High speed craft (HSC), Reserved for future use	7	20185
	49	High speed craft (HSC), No additional information	146	3615392
Total High-speed Craft		902	22030195	
Tug and towing	31	Towing	533	9999982
	32	Towing: length exceeds 200m or breadth exceeds 25m	80	1071116
	52	Tug	3712	109241778
	Total Tug and towing		4325	120312876
Passenger	60	Passenger, all ships of this type	4449	95348361
	61	Passenger, Hazardous category A	35	851744
	62	Passenger, Hazardous category B	22	481379
	63	Passenger, Hazardous category C	13	328935
	64	Passenger, Hazardous category D	25	122886
	65	Passenger, Reserved for future use	35	620351
	66	Passenger, Reserved for future use	31	831823
	67	Passenger, Reserved for future use	85	869527
	68	Passenger, Reserved for future use	22	331771
	69	Passenger, No additional information	2502	72191776
Total Passenger		7219	171978553	
Cargo	70	Cargo, all ships of this type	12469	236232913
	71	Cargo, Hazardous category A	1325	22255845
	72	Cargo, Hazardous category B	138	1957543
	73	Cargo, Hazardous category C	79	1066846
	74	Cargo, Hazardous category D	200	2558870
	75	Cargo, Reserved for future use	55	1328197
	76	Cargo, Reserved for future use	30	564813
	77	Cargo, Reserved for future use	27	408178
	78	Cargo, Reserved for future use	12	100544
	79	Cargo, No additional information	6199	154668916
Total Cargo		20534	421142665	
Tanker	80	Tanker, all ships of this type	4718	99243307
	81	Tanker, Hazardous category A	497	8044575
	82	Tanker, Hazardous category B	399	5285487
	83	Tanker, Hazardous category C	213	3589543
	84	Tanker, Hazardous category D	266	3577782
	85	Tanker, Reserved for future use	30	502027
	86	Tanker, Reserved for future use	8	279727
	87	Tanker, Reserved for future use	11	148642
	88	Tanker, Reserved for future use	17	141747
	89	Tanker, No additional information	1934	41446267
Total Tanker		8093	162259104	
Military and Law Enforcement	35	Military ops	732	6118451
	55	Law Enforcement	754	10410496
	Total Military and Law Enforcement		1486	16528947

Errors	Error (-1)		238982	3863120
Total			370779	1726372902

7 New monitoring indicators

Please consult and fill in the designated excel template.

N.B.: The monitoring numbers reported as part of the progress monitoring of EMODnet performance are collected through Matomo. In some cases, numbers from other monitoring systems may also be reported (e.g. Awstats, Google Analytics). Each system uses different technical approaches and therefore has its strengths and shortcomings. Therefore, results are indicative and care should be taken with interpreting absolute numbers or comparing results from different tools. It is often more sensible to consider trends over time collected by the same monitoring tool.