

WP2 – Short presentation of monitoring portal & Monitoring report of 2nd 18 Months, including statistics from RSM

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A. Short presentation of monitoring portal



Introduction to Network Monitoring

- The term **network monitoring** describes the use of a system that constantly monitors a <u>computer network</u> for slow or failing components and notifies (via email, SMS, e.t.c.) the <u>network and local administrators</u> in case of outages.
- In the framework of SeaDataNetII project a network monitoring system was developed in order to monitor the SeaDataNet components (Download Managers, Central Catalogues, Common Vocabularies, Central Authentication Service) that is based on Nagios software.
- To correct the SDN modules' malfunctions local administrators need more than a notification email, they need to have access to Nagios log files to get more detailed information about the source of the problem.
- A user friendly Monitoring Portal is designed and developed for local administrators who are responsible to maintain their services up and running.



Monitoring Portal: Services

The SeaDataNet components that are monitored are divided into two groups of services:

- ✓ The Core services, which are centrally-based provided services:
 - Common Data Index (CDI) portal
 - European Directory of Marine Organisations (EDMO) portal
 - European Directory of the initial Ocean-observing Systems (EDIOS) portal
 - European Directory of Marine Environmental Research Projects (EDMERP) portal
 - European Directory of Marine Environmental Data Sets (EDMED) portal
 - Cruise Summary Reports (CSR) portal
 - SeaDataNet homepage
 - > SDN Central Authentication Service
 - Common Vocabularies Web Services
 - Request Status Manager (RSM) soon.
- ✓ The Local services, which are services that are provided by the partners' infrastructures.
 - ➤ 86 Download Managers supporting SeaDataNet, GeoSeas, UBSS, EMODNet-Chemistry and EMODNet-Bathymetry projects



Monitoring Portal: Web interface

- ✓ The Monitoring Portal is an online web interface that can be accessed by members only either via the http://seadatanetnm.hcmr.gr/portal URL or via the SeaDataNet website
 (http://www.seadatanet.org) under the Standards & Software menu and as an icon at the top right of the page, next to extranet icon.
- ✓ Members are: people whose SDN service(s) is(are) monitored by the system (e.g. Download Manager), who are set by their organization as responsible for this(these) service(s) up and running smoothly, have obtained a SeaDataNet user ID.
- ✓ Note: To have access to the portal's functionalities the member's SeaDataNet user id is needed. (Send an email to MARIS providing your SDN user id)
- Providing a Central User Register and single-sign-on AAA Services SeaDataNet SeaDataNet Monitoring Portal status and logs of their own services. Users must register once in order to get a personal login name and ord. This is done by filling a web form and confirming, that the user accepts the terms and conditions of the naged per country by the specific National Oceanographic Data Centre / Marine Data Centre. This centre checks the authentity of the user, and if ok, orders the Central User Register to send the user an e-mail with its access credentials. This includes also the role, that has been allocated to the user, and that is used by the SeaDataNet processing of data set requests Ask for a new password (if already registered) To enter the monitoring portal click here and give your SeaDataNet credentials

- ✓ The portal provides users the capability to:
 - > search and access a variety of detailed information about their own servers and services status and logs,
 - view on map all SDN services status of operation (availability),
 - record and show the history of their services operation status (statistic reports),
 - > calculate a percentage of their services uptime (availability indicator).



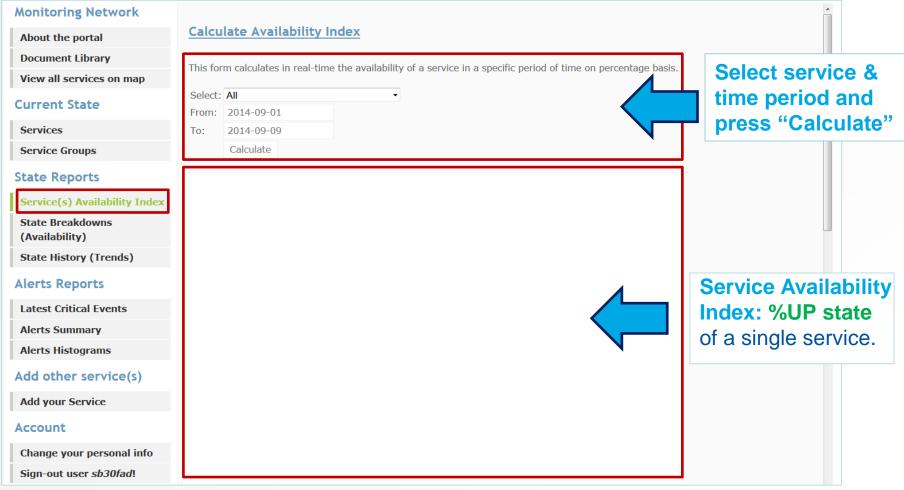
Monitoring Network



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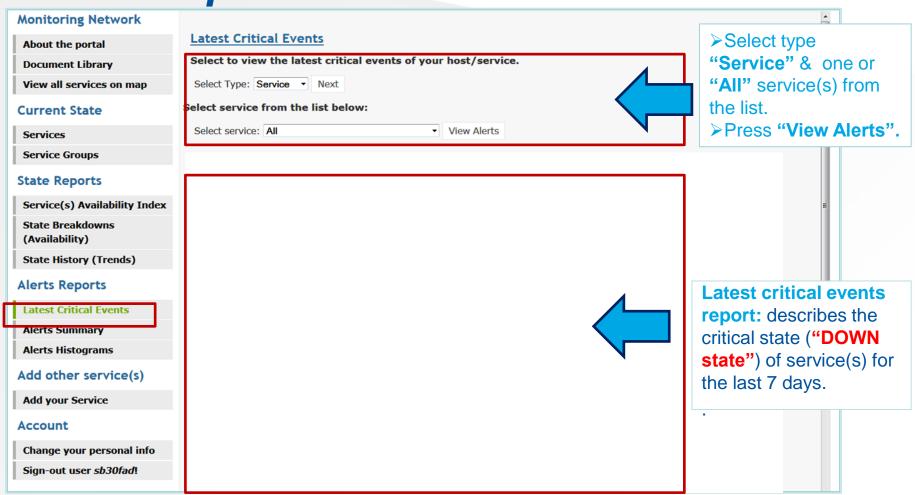


State Reports -> Service Availability Index



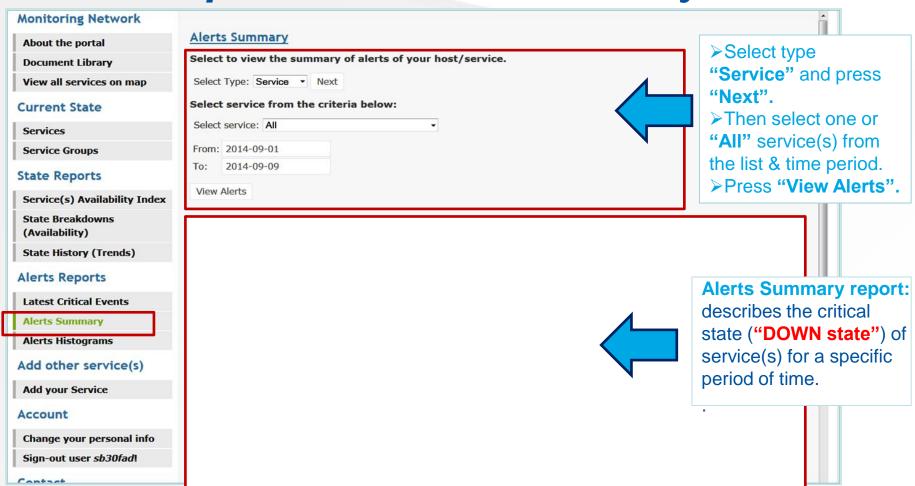


Alert Reports -> Latest Critical Events



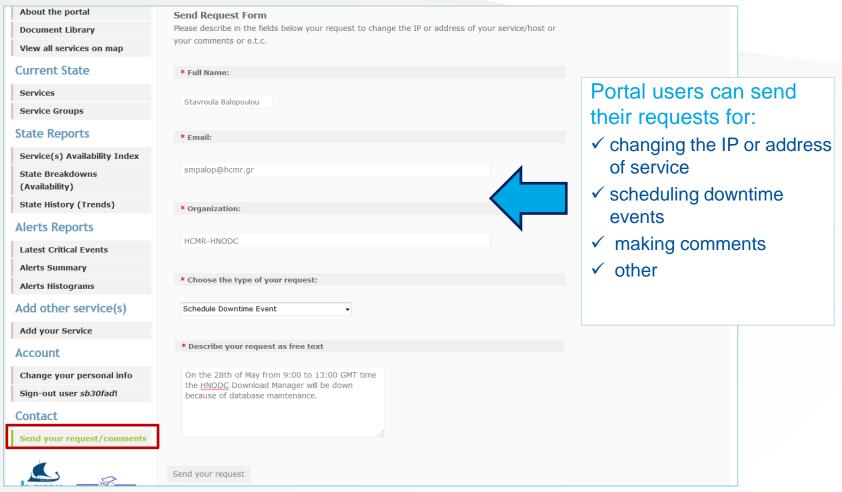


Alert Reports -> Alerts Summary





Send your request/comments

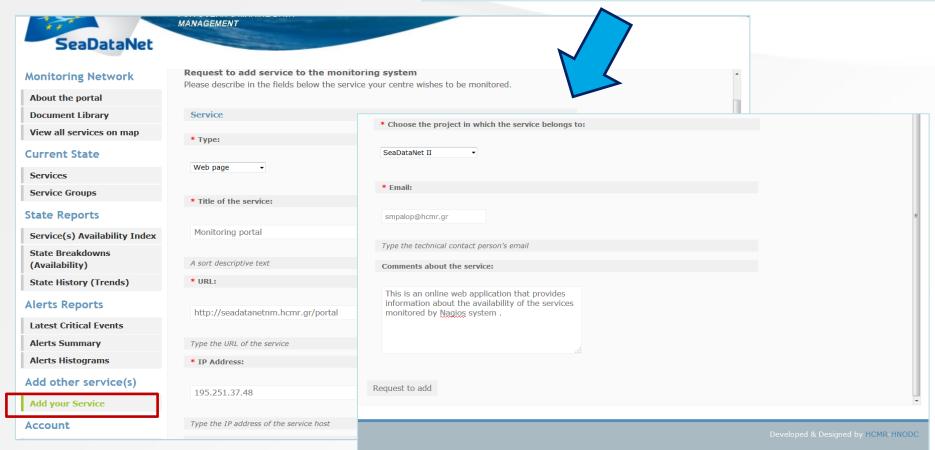




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Add your service

Make request through portal for a new service to be monitored by Nagios. The portal team will examine the case and will notify the user by email if and when the service will be added to the system, and therefore can be viewed by the portal interface.





Global Availability Indicator: Definition

- ✓ In the previous TTG meeting in March 2013, the method for defining the global availability indicator has been presented and can be described as follows:
 - Division of the whole system in operational modules (single services whose availability is measured by the monitoring portal).
 - Definition of dependencies between these modules to formulate the influence of each module's availability against the whole system.
 - Definition of a weight coefficient for each module indicating its involvement in the total system productivity.

Data Access Services – Hierarchical chain

CDI Central catalogue

Request Status
Manager

DM1
DM2
...
DM82



Global Availability Indicator: Mathematical formula

✓ In the SDN case, the seadatanet.org, CAS authentication and Request Status Manager services play a critical role to the overall data availability of the network, due to the fact that if they are not functioning (**OFF**) then the availability is **NULL**. Whereas, for the cases when seadatanet.org, CAS authentication and Request Status Manager are actually functioning properly (**ON**) an evaluation coefficient (w_i) for each local service has been defined based on the estimated requests, along with a binary value (s_i) which represents whether the local service's is functioning properly.

$$Availability = \begin{cases} 0, \text{seadatanet.org/CAS authentication/Request Status Manager OFF} \\ \sum_{i=1}^{N} w_i S_i, \text{seadatanet.org/CAS authentication/Request Status Manager ON} \end{cases}$$



B1. Monitoring report of 2nd 18 Months



What is being monitored until now?

A total of 167 services are currently being monitored (149 in March 2013):

- √ 11 SeaDataNet Services,
- ✓ 2 GeoSeas Services,
- √ 47 SeaDataNet Download Managers,
- ✓ 26 GeoSeas Download Managers,
- ✓ 24 UBSS Download Managers,
- √ 43 EMODnet Chemistry Download,
- √ 14 EMODnet Bathymetry Download Managers.



Monitored Services statistics

In the next slides, statistics are presented about the availability results of the 167 services derived from 7 service groups. The results are presented per service group and refer to a monitoring period of approximately 18 months (from 01-04-2013 to 17-09-2014).

The 7 service groups are:

- ✓ SeaDataNet Services
- √ GeoSeas Services
- ✓ SeaDataNet Download Managers (SeaDataNet DMs)
- ✓ GeoSeas Download Managers (GeoSeas DMs)
- ✓ UBSS Download Managers (UBSS DMs)
- ✓ EMODnet Chemistry Download Managers (EMODnet-Chem DMs)
- ✓ EMODnet Bathymetry Download Managers (EMODnet-Bathym DMs)



'SeaDataNet Services' results from 01-04-2013 to 17-09-2014

	Service	Starting Date	% Time OK	% Time Critical
	Common Vocabularies	27/11/2013 12:36	99.742% (99.742%)	0.258% (0.258%)
	CAS Service	29/11/2013 13:42	99.172% (99.172%)	0.828% (0.828%)
	CSR homepage	29/6/2012 21:00	98.999% (98.999%)	1.001% (1.001%)
	CDI homepage 1	29/6/2012 21:00	99.391% (99.391%)	0.609% (0.609%)
	CDI homepage 2	29/6/2012 21:00	99.388% (99.388%)	0.612% (0.612%)
	EDIOS homepage	29/6/2012 21:00	99.927% (99.927%)	0.073% (0.073%)
	EDMERP homepage	29/6/2012 21:00	99.924% (99.924%)	0.076% (0.076%)
	EDMO homepage	29/6/2012 21:00	99.914% (99.914%)	0.086% (0.086%)
	EDMED homepage	29/6/2012 21:00	99.930% (99.930%)	0.070% (0.070%)
	SeaDataNet homepage	15/6/2012 21:00	99.781% (99.781%)	0.219% (0.219%)
Average			99.617% (99.617%)	0.383% (0.383%)



'GeoSeas Services' results from 01-04-2013 to 17-09-2014

	Service	Starting Date	% Time OK	% Time Critical
	Geoseas Godiva Service	7/3/2013 13:45	99.528% (99.528%)	0.472% (0.472%)
	Geoseas Thredds Service	7/3/2013 13:46	99.533% (99.533%)	0.467% (0.467%)
Average			99.530% (99.530%)	0.470% (0.470%)

BGODC-IOBAS Download Manager 296/2012 21:00 99,701% 0,289%		Service	Starting Date	% Time OK	% Time Critical
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Service	Starting Date	% Time OK	% Time Critical
BGODC-IOBAS Download Manager	29/6/2012 21:00	·	0,299%
BGR Download Manager	29/6/2012 21:00	•	0,156%
BGS Download Manager	29/6/2012 21:00	•	0,482%
BODC Download Manager	29/6/2012 21:00	•	0,169%
BRGM Download Manager	15/7/2013 17:47	99,839%	0,161%
BSH Download Manager	30/6/2012 21:00	97,964%	2036,000%
CDG-CNRS Download Manager	29/6/2012 21:00	98,675%	1,325%
EGK Download Manager	29/6/2012 21:00	99,908%	0,092%
GEUS Download Manager	29/6/2012 20:07	99,671%	0,329%
George Marks' results IFREMER Download Manager	120711201004	-28%3 to 17-0	9172014 0,392%
IFREMER Download Manager	29/6/2012 21:00	99,608%	0,392%
IGG-NRC Download Manager	29/6/2012 21:00	99,636%	0,364%
IGME-ES Download Manager	29/6/2012 21:00	97,976%	2,024%
IGME-GR Download Manager	15/11/2012 22:00	98,426%	1,574%
LNEG Download Manager	29/6/2012 21:00	99,624%	0,376%
LU Download Manager	29/6/2012 21:00	61,848%	38,152%
MUMM Download Manager	29/6/2012 12:52	98,558%	1,442%
NGU Download Manager	29/6/2012 12:52	99,068%	0,932%
NOA Download Manager	29/6/2012 21:00	99,937%	0,063%
OGS-RIMA Download Manager	29/6/2012 12:52	99,527%	0,473%
PGI Download Manager	29/6/2012 21:00	99,558%	0,442%
SHOM Download Manager	19/10/2012 21:00	98,332%	1,668%
TNO Download Manager	29/6/2012 21:00	100,000%	0,000%
UB Download Manager	7/9/2012 15:24	98,730%	1,270%
UCC Download Manager	29/6/2012 12:53	99,462%	0,538%
Average		97,803%	2,197%





Service	Starting Date	% Time OK	% Time Critical
Ankara University Download Manager	27/6/2012 12:11	96,813% (96,813%)	3,187% (3,187%)
BGODC-IOBAS Download Manager	29/6/2012 21:00	99,701% (99,701%)	0,299% (0,299%)
BSCS Download Manager	29/6/2012 21:00	98,293% (98,293%)	1,707% (1,707%)
BSTU Download Manager	29/6/2012 21:00	93,317% (93,317%)	6,683% (6,683%)
DEU-IMST Download Manager	29/6/2012 21:00	84,886% (84,886%)	15,114% (15,114%)
DHMO Download Manager	15/7/2013 14:03	95,186% (95,186%)	4,814% (4,814%)
GAMMA Download Manager			0,093% (0,093%)
IBSS Download Manager	29/6/2012 21:00	99,812% (99,812%)	0,188% (0,188%)
IFR Download Manager	29/6/2012 13:18	93,814% (93,814%)	6,186% (6,186%)
IGS Download Manager	19/10/2012 21:00	85,730% (85,730%)	14,270% (14,270%)
UB SIGNATION WAS A Manager IV Download Manager	745/17/4019/22:001	93,660% (93,660%)	1,340% (1,340%)
IMES-METU Download Manager	31/1/2014 10:18	•	0,819% (0,819%)
IORAS-SIO Download Manager			0,566% (0,566%)
IU-IMS Download Manager	29/6/2012 21:00	· · · · · · · · · · · · · · · · · · ·	0,112% (0,112%)
MHI-MIST Download Manager	15/7/2013 21:00	· ·	3,047% (3,047%)
MHI-UB Download Manager			1,072% (1,072%)
NIMH Download Manager		, i	1,638% (1,638%)
NIMRD Download Manager			3,495% (3,495%)
ONU Download Manager		· · · · · · · · · · · · · · · · · · ·	0,768% (0,768%)
RIHMI Download Manager		•	0,064% (0,064%)
SNU Download Manager	5/7/2012 21:00		1,002% (1,002%)
TSU Download Manager			0,362% (0,362%)
UKRSCES Download Manager		i i	3,812% (3,812%)
UMG Download Manager	29/1/2013 9:37		2,937% (2,937%)
YugNIRO Download Manager	7/9/2012 21:00	77,514% (77,514%)	22,486% (22,486%)
Average		96,158%	3,842%

	Service	Starting Date	% Time OK	% Time Critical
	BGODC-IOBAS Download Manager	29/6/2012 21:00	99,701%	0,299%
<u> </u>	BODC Download Manager	29/6/2012 12:53	99,831%	0,169%
	BSH Download Manager	30/6/2012 21:00	97,964%	2,036%
	CDG-CNRS Download Manager	29/6/2012 21:00	98,675%	1,325%
	CYOC Download Manager	29/6/2012 12:54	98,781%	1,219%
	ENEA Download Manager	29/6/2012 21:00	97,892%	2,108%
	EPA Download Manager	7/9/2012 13:19	99,469%	0,531%
	FMI Download Manager	7/9/2012 12:45	99.673%	0,327%
	HNODC Download Manager	27/6/2012 12:13	99,995%	0,005%
	IBSS Download Manager	29/6/2012 21:00	99,812%	0,188%
	ICES Download Manager	30/4/2013 21:00	99,480%	0,520%
	IEO Download Manager	15/11/2012 22:00	99,566%	0,434%
	IFREMER Download Manager	29/6/2012 21:00	99,608%	39,200%
	IHPT Download Manager	29/6/2012 12:52	98,644%	1,356%
	IMBK Download Manager	19/10/2012 12:02	99,845%	0,155%
	IMES-METU Download Manager	31/1/2014 10:18	99,181%	0,819%
	IMGW Download Manager	29/1/2013 9:32	99,904%	0,096%
	IMR Download Manager	29/6/2012 21:00	99,769%	0,231%
	IOLR Download Manager	19/10/2012 21:00	99,726%	0,274%
	IORAS-SIO Download Manager	15/7/2013 14:33	99,434%	0,566%
	IPMA Download Manager	1/9/2014 20:32	100,000%	0,000%
	ISMAR Ancona Download Manager	5/3/2014 22:00	99,986%	0,014%
'EMODAL	COPRIDE THE PROPERTY AND		90197/2	0.3039
EIVIODIN	est R. Christophy agery DMs' results	fram:0:01-04-2	99,888%	0,112%
	IZOR Download Manager	29/6/2012 12:57	99,773%	0,227%
2014	LIAE Download Manager	3/4/2014 18:11	99,965%	0,035%
	MHI-MIST Download Manager	15/7/2013 21:00	96,953%	3,047%
	MHI-UB Download Manager	15/7/2013 21:00	98,928%	1,072%
	MI Download Manager	29/6/2012 21:00	99,837%	0,163%
	MSI Download Manager	29/6/2012 12:53	99,977%	0,023%
	MSI-NIB Download Manager	7/9/2012 12:55	99,835%	0,165%
	MUMM Download Manager	29/6/2012 12:52	98,558%	1,442%
	NERI Download Manager	29/6/2012 21:00	99,616%	0,384%
	NIMRD Download Manager	29/6/2012 21:00	96,505%	3,495%
	NIOZ Download Manager	30/6/2012 21:00	99,692%	0,308%
	OGS Download Manager	29/6/2012 21:00	99,380%	0,620%
	PANGEA Download Manager	27/5/2013 21:00	99,848%	0,152%
	RIHMI Download Manager	30/6/2012 21:00	99,936%	0,064%
	RWS Download Manager	31/1/2014 22:00	100,000%	0,000%
	SMHI Download Manager	29/1/2013 22:00	99,838%	0,162%
	TSU Download Manager	29/6/2012 21:00	99,638%	0,362%
	UKRSCES Download Manager	29/6/2012 12:59	96,188%	3,812%
	VLIZ Download Manager	29/6/2012 21:00	99,831%	0,169%
	YugNIRO Download Manager	7/9/2012 21:00	77,514%	22,486%
Average			98,826%	2,056%



	Service	Starting Date	% Time OK	% Time Critical
BG	ODC-IOBAS Download Manager	29/6/2012 21:00	99,701% (99,701%)	0,299% (0,299%)
ВО	DC Download Manager	29/6/2012 12:53	99,831% (99,831%)	0,169% (0,169%)
BSI	H Download Manager	30/6/2012 21:00	97,964% (97,964%)	2,036% (2,036%)
GS	l Download Manager	29/6/2012 21:00	99,828% (99,828%)	0,172% (0,172%)
'EMC	PPNet Bathymetry DMs	2 ^{7/6/} 2032 <i>111</i> 3 fro	99,9574574957013	0.005% (7,075%)
				0,434% (0,434%)
		29/6/2012 21:00	99,608% (99,608%)	0,392% (0,392%)
IHP	T Download Manager	29/6/2012 12:52	98,644% (98,644%)	1,356% (1,356%)
LNE	EG Download Manager	29/6/2012 21:00	99,624% (99,624%)	0,376% (0,376%)
MR	I Download Manager	29/6/2012 12:57	99,846% (99,846%)	0,154% (0,154%)
MU	MM Download Manager	29/6/2012 12:52	98,558% (98,558%)	1,442% (1,442%)
OG	S-RIMA Download Manager	29/6/2012 12:52	99,527% (99,527%)	0,473% (0,473%)
SH	OM Download Manager	19/10/2012 21:00	98,332% (98,332%)	1,668% (1,668%)
erage			, in the second of the second	0,690% (0,690%)



B2. RSM Statistics



Operational performance of the infrastructure

- ✓ MARIS robot verifies that the Download Manager's are capable of handling shopping requests made via the CDI portal.
- ✓ Test results are for the period 01-04-2013 -> 17-09-2014.
- ✓ The SDN2 third year annual metrics report will provide more details.



Robot monitoring of CDI shopping process: Table of results for the period 01-04-2013 -> 17-09-2014

	NI and			
		Total		
EDMO			% successful robot	SeaDataNet nartner or
				<u> </u>
	_	_	,	
134			·	
136			·	
191	457	521	87,72%	No, partner in UBSS
193	516	521		1
195	513	517	99,23%	Yes
269	514	521	98,66%	Yes
310	498	521	95,59%	No, partner in Geo-Seas
353	501	521		
366	516	521	99,04%	No, partner in Geo-Seas
396	510	521	97,89%	Yes
422	512	521	98,27%	Yes
486	505	521	96,93%	Yes
540	445	521	85,41%	Yes
545	516	521	99,04%	Yes
565	474	521	90,98%	No, partner in Geo-Seas
583	515	521	98,85%	Yes
590	496	521	95,20%	Yes
	42 43 96 120 134 136 191 193 195 269 310 353 366 396 422 486 540 545 565 583	## Success ful robot code orders ## 42	EDMO code of success ful robot orders Total number of orders 42 497 521 43 506 521 96 498 521 120 503 521 134 382 426 136 487 521 191 457 521 193 516 521 195 513 517 269 514 521 310 498 521 353 501 521 366 516 521 422 512 521 486 505 521 540 445 521 545 516 521 565 474 521 583 515 521	Total number of success ful robot orders Total number of successful robot orders 42 497 521 95,39% orders 43 506 521 97,12% orders 96 498 521 95,59% orders 120 503 521 96,55% orders 134 382 426 89,67% orders 136 487 521 93,47% orders 191 457 521 87,72% orders 193 516 521 99,04% orders 195 513 517 99,23% orders 269 514 521 98,66% orders 310 498 521 98,66% orders 353 501 521 96,16% orders 366 516 521 99,04% orders 396 510 521 97,89% orders 422 512 521 98,27% orders 486 505 521 96,93% orders 545 516 521 <





Table of results - Cont.1

	Number o	f successful robot		% successful robot
Partner	EDMO code orders		Total number of orders	requests per partnerSeaDataNet partner or subcontractor
PGI BMG	609	512	521	98,27% No, partner in Geo-Seas
MR-NMD	612	513	521	98,46% Yes
NIOZ	630	511	521	98,08% Yes, indirect partner
KNMI	632	495	521	95,01% Yes, indirect partner
NOO-CEME	633	508	521	97,50% Yes, indirect partner
ΓNO	635	388	521	74,47% Yes, indirect partner
RIHMI-WDC/NODC	681	351	521	67,37% Yes
SIO- RAS	685	405	521	77,74% Yes
/ugNIRO	688	399	522	76,44%No, partner in UBSS
NRH	691	270	298	90,60% Yes, subcontractor of IEO
BGODC	692	516	521	99,04% Yes
rsu-dna	693	503	521	96,55% Yes
MS	696	498	521	95,59%Yes
NIMRD	697	489	521	93,86% Yes
JAE	698	468	521	89,83%Yes
OF	700	513	521	98,46% Yes
JMT.IOI.POU	708	512	521	98,27% Yes
DC-UCY	711	508	521	97,50% Yes
MSI-TTU	713	512	521	98,27% Yes
ЛHI	727	478	521	91,75% Yes
BIOS MAR	729	329	521	63,15% Yes
CES	730	491	498	98,59% Yes
SHODB	731	335	479	69,94%Yes
KTU	732	478	521	
Sinop-SNU FF	733	490	521	94,05%No, partner in UBSS
KI RAS	761	497	521	95,39% No, partner in UBSS
MST	801	421	521	80,81% No, partner in UBSS
MS	802	505	521	96,93% No, partner in UBSS + EMODnet Chemis
BSS	840	521	521	100,00% Yes
MB-UHMI	841	489	521	93,86% No, partner in UBSS + EMODnet Chemis
RSHU	924	391	522	74,90%Yes



PAN-EUROPEAN INFRASTRUCTURE FOR OCEAN & MARINE DATA MANAGEMENT

Table of results - Cont.2

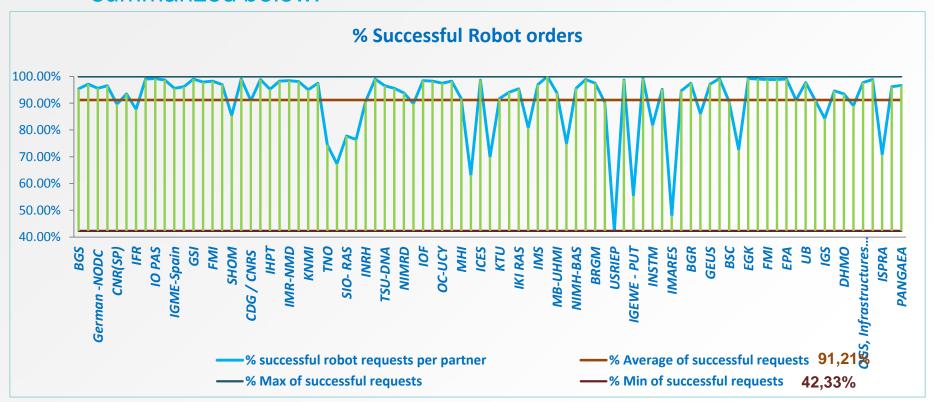
		Number of			
_		successfu I robot	Fotal number of	% successful robot requests	
	_		orders		SeaDataNet partner or subcontractor
NIMH-BAS	961	498	521		No, partner in UBSS
IOLR	963	515	521		·
BRGM	1022	508	521	,	No, partner in Geo-Seas
UkrSCES	1167	470	520		No, partner in UBSS + EMODnet Chemistry
USRIEP	1168	221	522	·	No, partner in UBSS
ONU	1169	514	521	,	No, partner in UBSS
IGEWE - PUT	1228	233	420		Yes, subcontractor of OGS
NIB-Marine Biology Station	1229	517	521		
INSTM	1232	426	521		Yes, subcontractor of IEO
GAMMA	1265	496	521		No, partner in UBSS
IMARES	1340	84	175	48,00%	No, partner in WaLTeR
NGU	1415	493	521	94,63%	No, partner in Geo-Seas
BGR	1496	508	521	97,50%	No, partner in Geo-Seas
RW	1526	449	522	86,02%	Yes, indirect partner
GEUS	1543	506	521	97,12%	No, partner in Geo-Seas
IGG-NRC	1545	517	521	99,23%	No, partner in Geo-Seas
BSC	1546	472	521	90,60%	No, partner in UBSS
MUMM-BMDC	1578	379	522	72,61%	Yes
EGK	1609	517	521	,	No, partner in Geo-Seas
NOA	1703	516	521	99,04%	No, partner in Geo-Seas
FMI	1725	515	521		Yes
UCC	1848	515	521	98,85%	No, partner in Geo-Seas
EPA	2108	516	521		
LNEG	2124	475	521		No, partner in Geo-Seas + EMODNet Bathymetry
UB	2172	509	521		No, partner in Geo-Seas
Ankara University	2176	475	521		No, partner in UBSS
IGS	2228	440	522		No, partner in UBSS
MGU	2230	493	521		No, partner in UBSS
DHMO	2231	487	521		No, partner in UBSS
LU	2239	464	521		No, partner in Geo-Seas
OGS, Infrastructures Division	2276	509	521		
IMBK	2432	515	521		Yes, subcontractor of OGS
ISPRA	3009	87	123		No, partner in EMODNet Chemistry
NCSD	3092	502	522		No, partner in Geo-Seas
PANGAEA	3234	463	479	96,66%	Yes

SeaDataNet II – 3rd Plenary meeting 24-25 September 2014 Split, Croatia



Robot monitoring of CDI shopping process: Statistics for the period 01-04-2013 -> 17-09-2014

✓ MARIS Robot successful tests per partner Download Manager are summarized below:





Robot monitoring of CDI shopping process: Comparison with "Second Year Annual metrics"

✓ Table of indicators for the 2nd 18 months:

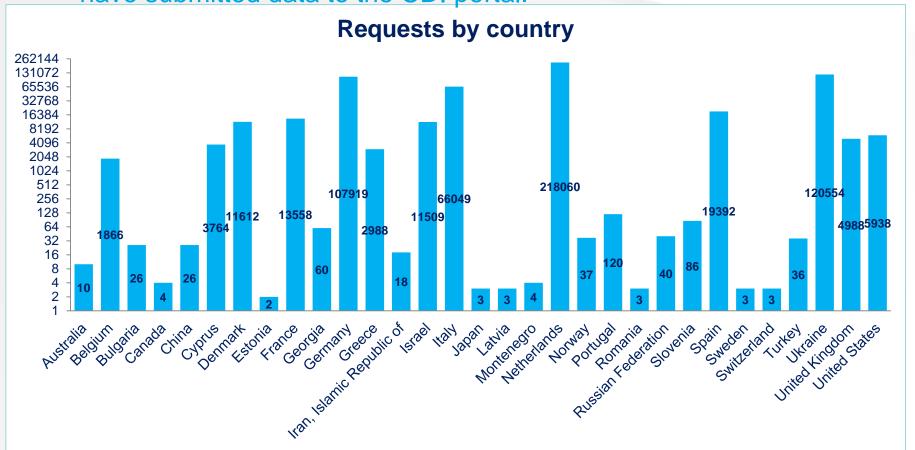
Period 01-04-2013 until 17-09-2014					
Average of the percentage of successful requests	91,21%				
Maximum of the percentage of successful requests	100%				
Number of organization with 100% result	1				
Minimum of the percentage of successful requests	42,33%				

- ✓ Indicators, compared to last annual metrics report:
 - ➤ Average of successful requests: 91,21% < 95,75%.
 - ➤ Maximum of successful requests: 100% = 100%
 - ➤ Number of organisation with 100% result: 1 < 2
 - ➤ Minimum of succesful requests: 42,33% < 60,87%
 - ➤ Standard deviation of successful requests: 11,64 > 6.19



Data requests (01-04-2014 until 17-09-2014)

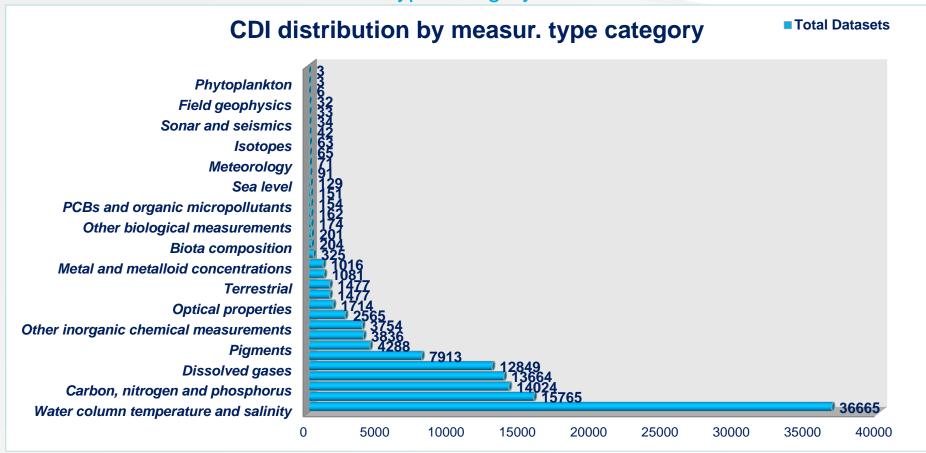
✓ Results for 5 months: Requests for data files made to countries that have submitted data to the CDI portal.





CDI submission (01-04-2014 until 17-09-2014)

✓ Results for 5 months: Graphical distribution of datasets by partner, access restriction and measurement type category.





Future Plans

- ✓ Continue to maintain the monitoring system:
 - upgrade Nagios to the latest version,
 - > add new services,
 - update the services to the latest changes (IP servers, addresses, contact persons, e.t.c).
- ✓ HCMR is currently developing software for the calculation of the Total Availability Indicator formula that will be included in the monitoring portal.
- ✓ HCMR and OGS will implement shortly a method for checking recorded events from both Nagios systems (HCMR+OGS synchronized but not in) so as to define if critical events are false or not.



Thank you. Questions, Comments or Remarks?