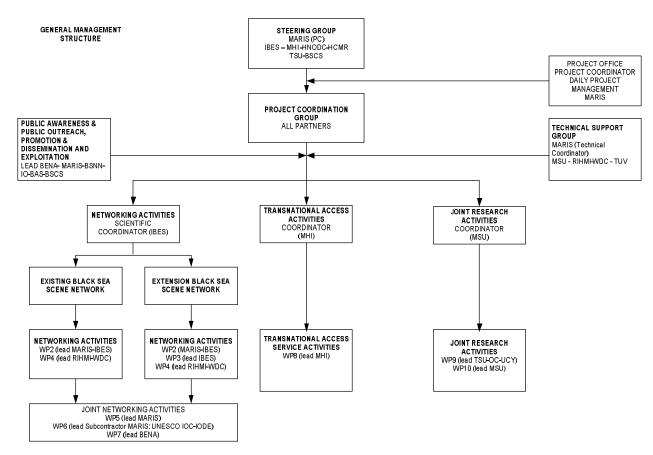
Document with illustrations and tables to the Final Report

Section 4.1

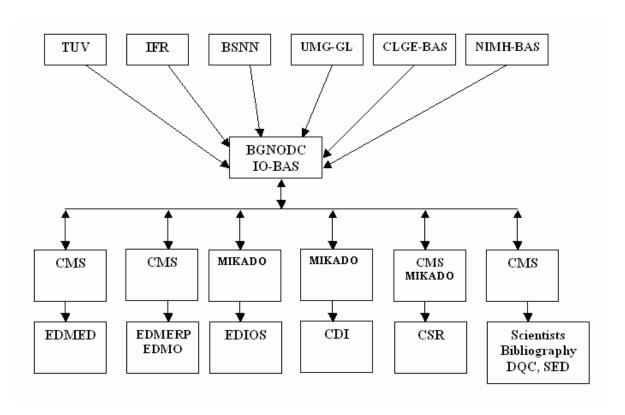
WP1: Project Management:

Applied Management Structure:



WP4 Population of V1 meta-databases

The role of the NODC's is schematized (example for Bulgaria):



The number of records populated for each of the directories submitted by each of the Black Sea countries during the period P1-P36 is shown in the table below.

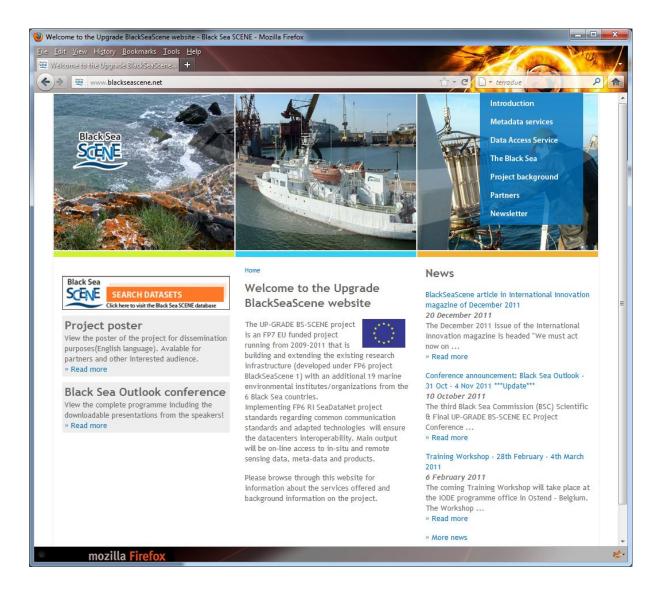
NODC	COUNTRY	EDMED	CSR	EDMERP	EDMO	CDI	DQC*	Scientists	Publ.	SED
			(V1)							
MHI	Ukraine	56	267	168	22	119775	37	413	1008	34
SIO-	Russian	116	82	147	128	23374	8	226	832	28
RAS/RIHMI-	Federation									
WDC										
METU-IMS	Turkey	42	206	95	49	5669	11	357	1293	16
IO-BAS	Bulgaria	31	104	47	21	3168	10	144	495	34
NIMRD	Romania	66	99	43	16	4254	5	219	626	6
TSU	Georgia	197	7	142	25	1543	2	116	235	40
Totals		508	765	642	261	158110	73*	1475	4489	158

^{*} Extended DQC forms to describe Data Quality Control applied to databases

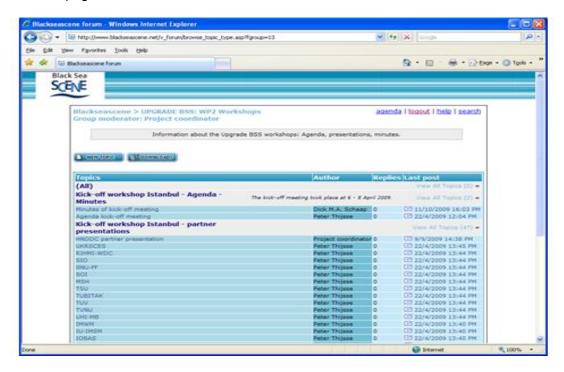
WP5: Updating Black Sea virtual data & information infrastructure to V1 level

Deliverable 5-1: Upgraded Black Sea SCENE web portal

UBSS Homepage:



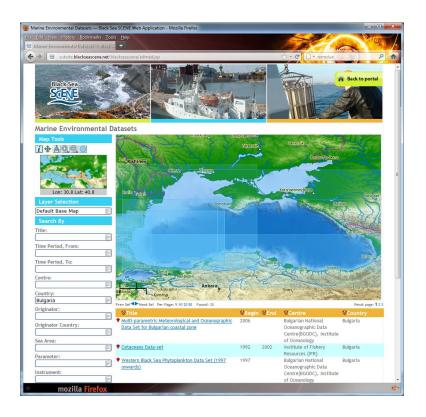
Extranet page:



<u>Deliverable 5-2: Upgrading and provision of the online Black Sea EDMED, EDMERP, CSR and EDMO V1 meta-databases</u>

Screenshots show examples of the interfaces.

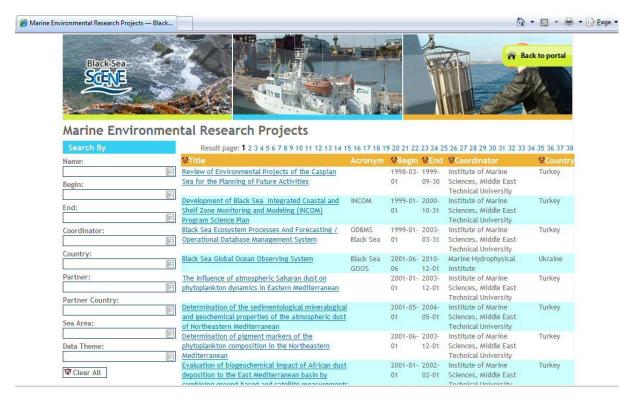
Marine Environmental Datasets (EDMED): Search and Results



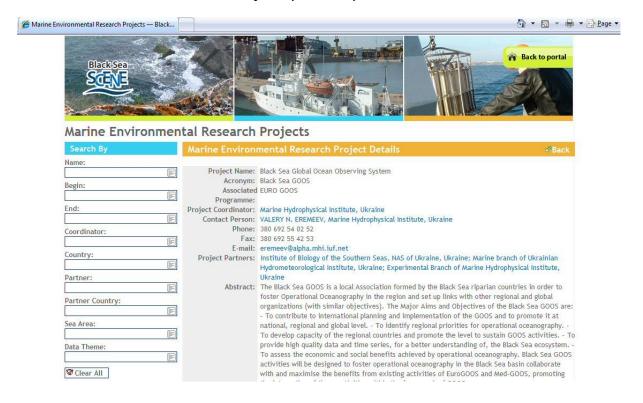
Marine Environmental Datasets (EDMED): Detail



Marine Environmental Research Projects (EDMERP): Search and Results



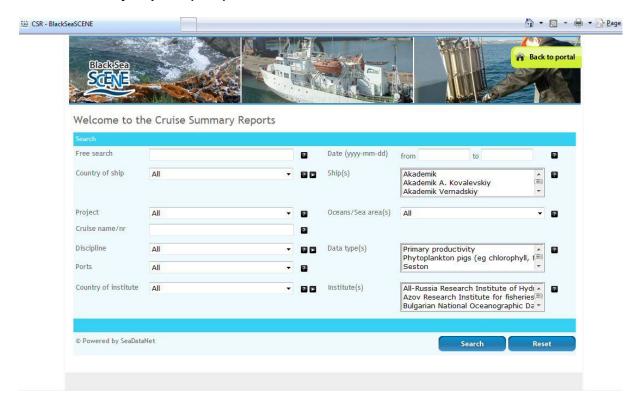
Marine Environmental Research Projects (EDMERP): Detail



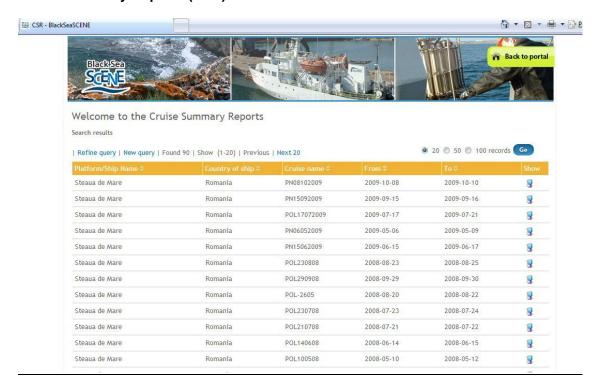
Marine Organisations (EDMO): Search and Results



Cruise Summary Reports (CSR): Search



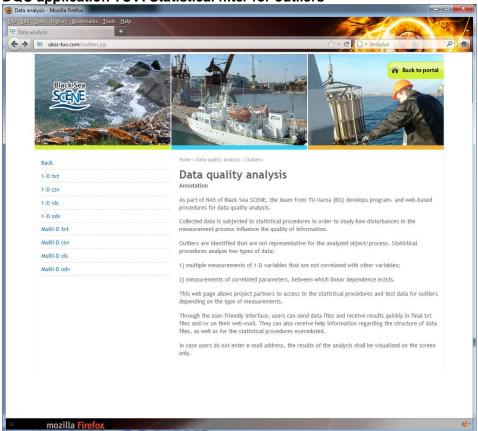
Cruise Summary Reports (CSR): Results



Cruise Summary Reports (CSR): Detail



DQC application TUV: Statistical filter for outliers



<u>Deliverable 5-3: Upgrading and provision of the online Black Sea Scientists, Publications and Socio-economic meta-databases:</u>

All services are available from the UBSS website. Below some screenshots are provided to illustrate the developed interfaces.

BSNN Legislative and Socio Economic Data (SED): Overview of documents



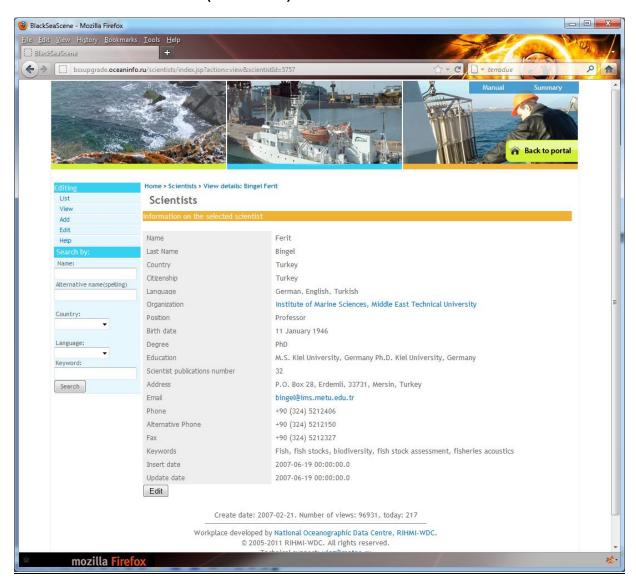
BSNN Socio Economic Data (SED): View of statistics



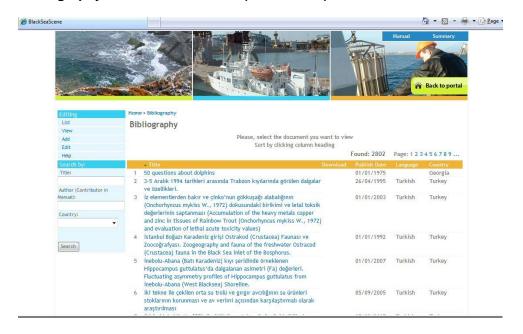
Black Sea Scientists: Search and Results (RIHMI-WDC)

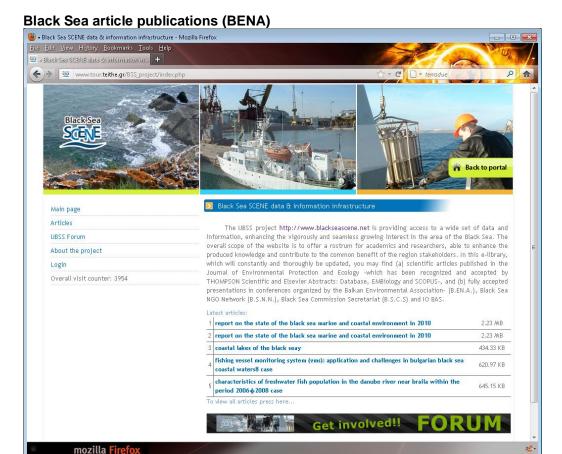


Black Sea Scientists: Details (RIHMI-WDC)



Bibliography: Search and Results (RIHMI-WDC)





Deliverable 5-4: Upgrading of the Common Data Index (CDI) system to SeaDataNet V1 level:

Below some screenshots are given of the UBSS CDI interface.

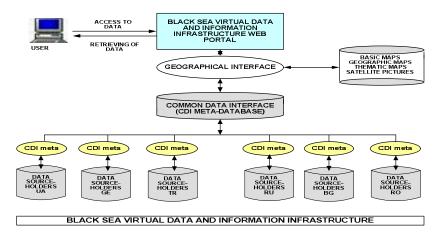


Figure 1: Search the CDI database

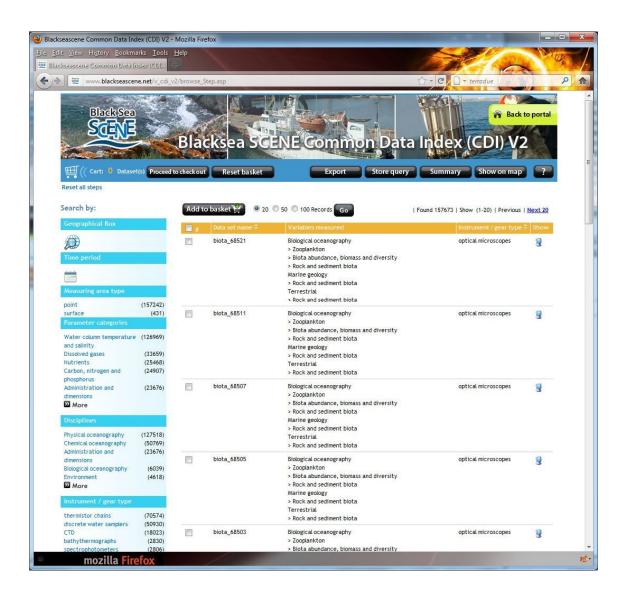


Figure 2: Display results on map



Blackseascene Common Data Index (CDI) V2 - Mozilla Firefox - - X <u>File Edit View History Bookmarks Tools Help</u> Blackseascene Common Data Index (CDI... + www.blackseascene.net/v_cdi_v2/browse_Step.asp + C □ + terradue P CDI entry Points CDI entry Tracks CDI entry Areas Grid Lines PP CDI Add WMS layer 1 Please, specify which layers you want to add to the SeaDataNet interface. Enlarge Select a WMS server Specify WMS Server URL Search b lext 20 3 Pigments
Chemical oceanography
Dissolved gases
Physical oceanography
Water column temperature and salinity CTD_ST 5 a data set Biological oceanography > Pigments 3 mozilla Firefox

Figure 3: Add external WMS layer via "add layer" option

Figure 4: Display WMS layer



Figure 5: Show summary of search result

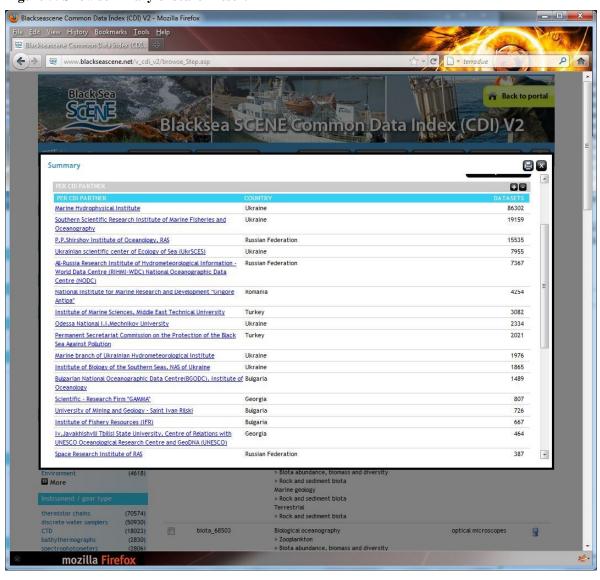


Figure 6: Display CDI record details for observation information

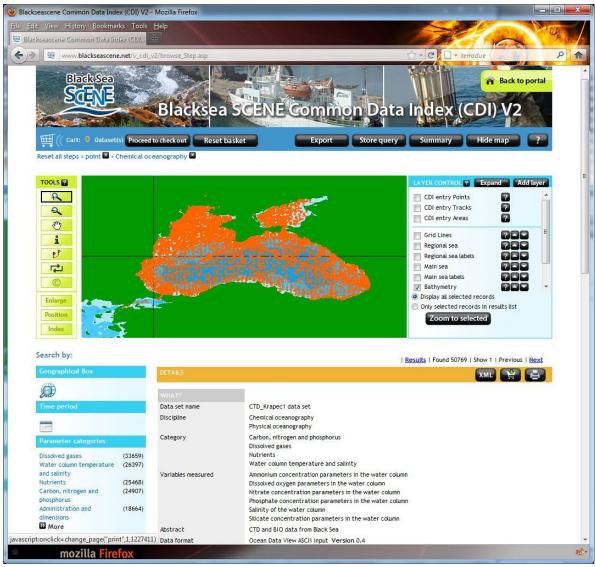


Figure 7: Create order of selected datasets

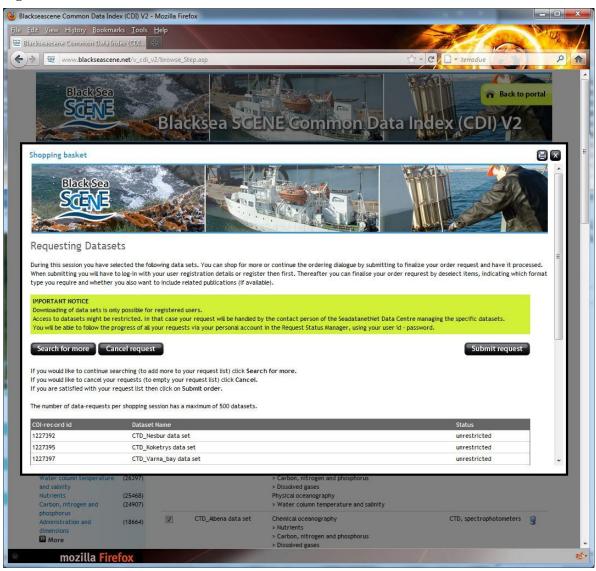


Figure 8: Login to central SDN user register before sending in order of selected datasets

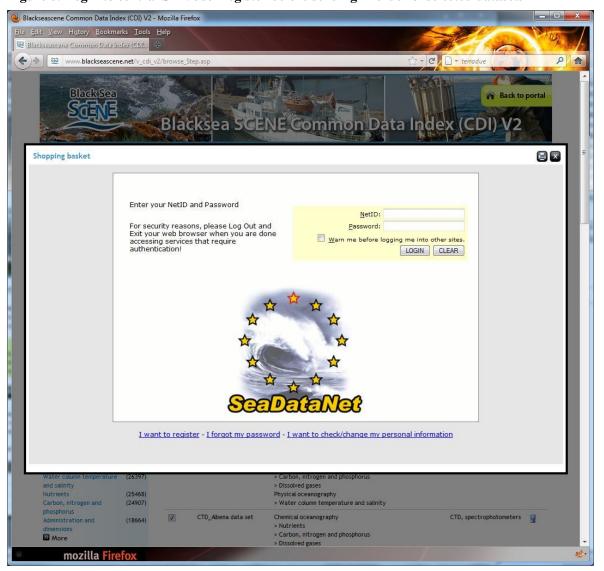


Figure 9: Confirm order of selected datasets

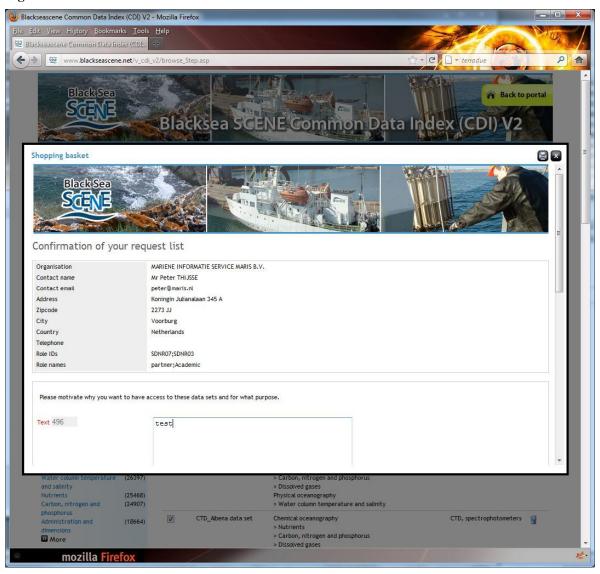


Figure 10: User tracks order status via the Request Status Manager (Orange = pending, Green = ready for download, Red = rejected/denied)



Figure 10: User views downloadable records (green status) via the Request Status Manager

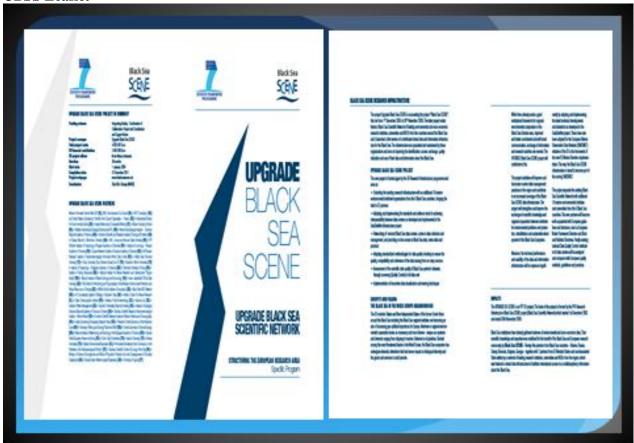


Figure 11: User downloads files per data center in a zipped file and uniform format (ODV)

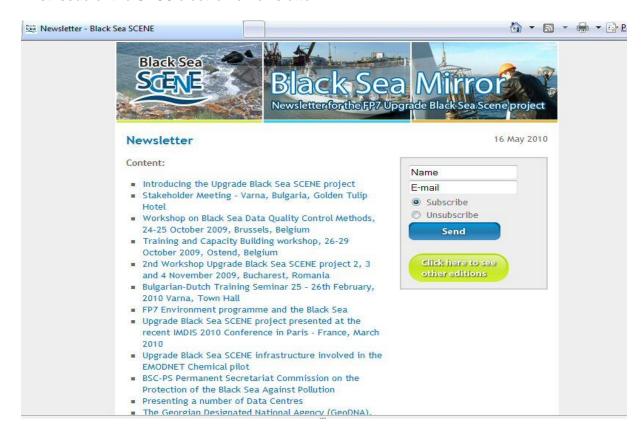


WP7: Public Awareness and Outreach, Promotion, Dissemination and Exploitation

UBSS Leaflet



First issue of the UBSS electronic Newsletter:



Poster for Black Sea Outlook Conference - November 2011



Book of Abstracts of Black Sea Outlook Conference



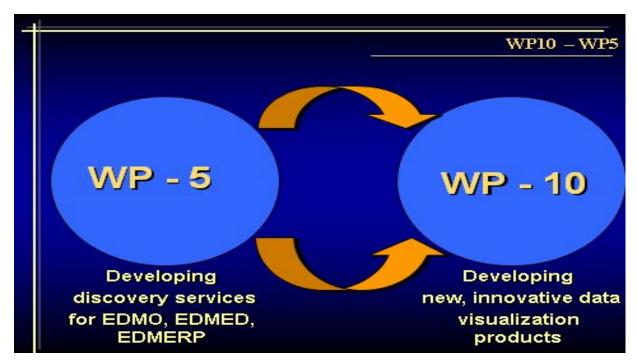
WP8: Operation Transnational Scientific Access Services of Black Sea partner's installations

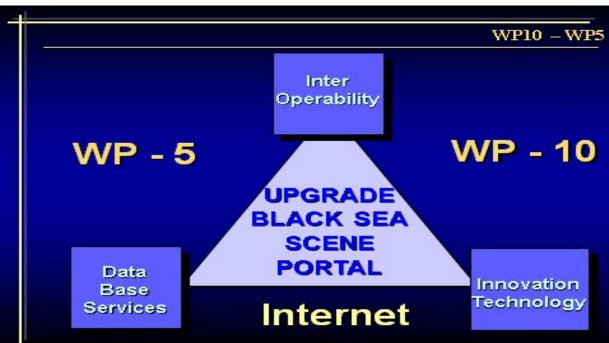
Partner	Country	Status (calculated)	Date CDI production operational since				
IO-BAS	BG	in production*	Begin project				
BSNN	BG	no CDI; different services	20100722				
CLGE-BAS	20	no obli, antici chi solvicos	20100921				
(192)	BG	Hosted at NIMH					
IFR (191)	BG	in production	20100729				
NIMH-BÁS		F	20101206				
(961)	BG	in production					
TUV	BG	no CDI; different services	20100716				
UMG-GI	BG	in production	20110127				
TSU	GE	in production*	Begin project				
CMP	GE	Did not succeed					
GAMMA	GE	In production and upgrading	20100913				
GIH-GAS	GE	in production*	20110627				
GWMI	GE	in production*	20110627				
IG-GAS	GE	in production*	20110627				
BENA	GR	no CDI; different services	20101224				
NIMRD	RO	in production	Begin project				
DDBRA	RO	Hosted at NIMRD	20110531				
GeoEcoMar	RU	Did not succeed					
CDNZ	RU	in production*	20101230				
RNODC	RU	in production*	Begin project				
IORAS	RU	in production*	Begin project				
IEG-RAS	RU	Hosted at IORAS	20110620				
IKI-RAS	RU	in production	20110311				
IL-RAS	RU	Did not succeed					
SOI	RU	Via SIORAS	20110513				
IMS-METU	TR	in production*	Begin project				
AU-FAF	TR	in production*	20110316				
BSCS	TR	in production	20101230				
BSTU	TR	in production	20110330				
DEU-IMST	TR	in production	20110401				
IU-IMS	TR	in production	20110325				
SNU-FF	TR	in production	20101021				
MHI-MIST	UA	in production	Begin project				
DHMO	UA	in production	20110630				
IBSS	UA	in production	20100702				
IGS	UA	in production	20111027				
ONU	UA	In production and upgrading	20100806				
TNU (2227)	UA	in production	20110406				
UHI-MB	UA	in production	20110216				
UkrSCES	UA	in production	20110126				
USRIEP	UA	in production	20101230				
YugNIRO	UA	in production	20110704				

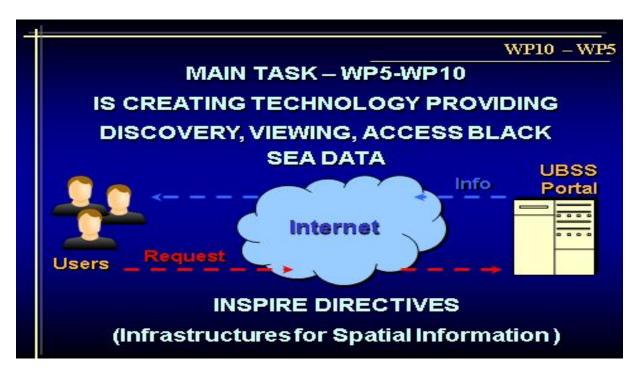
Table with start of Transnational Access Services

WP10: Developing new data visualization services

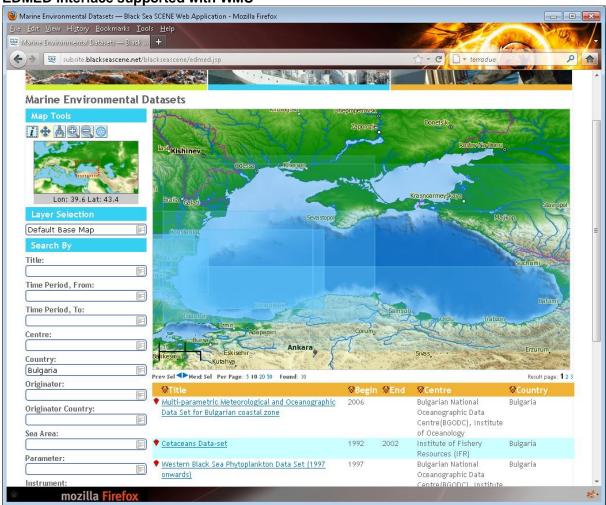
WP10 has a narrow relation with WP5:







EDMED interface supported with WMS



Interface for catalogues of map services

