



**MERMAID**

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**Workpackage 7: Data Broker Applications -  
Data Broker Activated with Test Data**

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### Revision

Revision Number	Date	Author	Purpose of Revision
0	28/06/2002	Paul Goddard	First Internal Draft
1	30/06/2002	Paul Taylor	Final Release Draft



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## 1. INTRODUCTION

This document provides details of the test datasets that were used to activate the MERMAID Data Broker for testing purposes.

Each Data Provider (BMT, Met Office, CEDRE and IMGW–OM) were requested to register at least an initial 5 datasets at the beginning of the testing period, by 3<sup>rd</sup> May 2002, followed by a further 5 datasets by 10<sup>th</sup> May 2002. Therefore, during the testing period there was at least 20, and up to 40, ‘real’ datasets available on the Broker for testing. These were realistic datasets, but were not necessarily actual data (which may have been commercially sensitive) and were of a variety of different formats. Both binary and ascii file formats were used, and included the six MERMAID supported formats, as well other standards such as MS WORD, MS EXCEL, GIF, BMP, JPEG, and TXT files.

The site itself was used to upload the datasets, as would occur for external providers. Each uploaded dataset was added to the MERMAID Catalogue database. Figure 1 below shows a section of this database. Those datasets marked NULL have been removed through several necessary upgrades of the system that occurred during the testing phase, and were subsequently re-entered.



SQL Server Enterprise Manager - [2>Data in Table 'DATASET\_FILE' in 'PRODUCTS\_CATALOG' on 'TEST-WEBSEVER']

datasetFileID	fkDatasetID	FileName	fileSize	fileFormat	fkProviderID	uploadDate	fkServerID	extractable
35	UMMCL7CX9SF9M	arcldr.exe	148992		SRUXD95C9EXF9P	17/06/2002 17:46	1	0
36	195FQ71WE688P	<NULL>	<NULL>	<NULL>	<NULL>	<NULL>	<NULL>	0
37	1L18CD85KSLW9LL	currentflow_image	30914		SRUXD95C9EXF9P	20/06/2002 14:35	1	0
38	28JKUCN41C2F8JB	Adp0024.gif	36000		6M8JLW1MALT59LI	24/06/2002 11:03	1	0
39	3WF1LBF7J84V9HE	<NULL>	<NULL>	<NULL>	<NULL>	<NULL>	<NULL>	0
40	410A8WLB068D8G	<NULL>	<NULL>	<NULL>	<NULL>	<NULL>	<NULL>	0
41	7UR3TP5QJAR48KI	<NULL>	<NULL>	<NULL>	<NULL>	<NULL>	<NULL>	0
42	8C3NSQZGJ6848HI	<NULL>	<NULL>	<NULL>	<NULL>	<NULL>	<NULL>	0
43	98ECP98KXTL48MA	b1.jpg	1060148		GTPKBL5WPW528A	24/06/2002 16:01	1	0
44	9XKWEASBGE58P	<NULL>	<NULL>	<NULL>	<NULL>	<NULL>	<NULL>	0
45	AWZ56MCF7H298A	<NULL>	<NULL>	<NULL>	<NULL>	<NULL>	<NULL>	0
46	BGUBNJ8ELF7J8HH	S1985_00_ts.oits	58409		2TGK1V5X66LE8HG	24/06/2002 10:15	1	1
47	CJ4HKVCFJ84G9H	111.gif	28697		GTPKBL5WPW528A	24/06/2002 15:59	1	0
48	D3EKH3WM9GH69I	Obsirreg.oits	198000		SRUXD95C9EXF9P	20/06/2002 16:47	15	0
49	DUDNUJ755T198KI	<NULL>	<NULL>	<NULL>	<NULL>	<NULL>	<NULL>	0
50	E3UX8WLM7UW49JI	Mermr2dt.zip	1532969		SRUXD95C9EXF9P	20/06/2002 14:37	1	0
51	F67CEOUKJ789JJE	<NULL>	<NULL>	<NULL>	<NULL>	<NULL>	<NULL>	0
52	F8CH6JMF832A8HE	<NULL>	<NULL>	<NULL>	<NULL>	<NULL>	<NULL>	0
53	FK4QWJ57UJ1N8K	<NULL>	<NULL>	<NULL>	<NULL>	<NULL>	<NULL>	0
54	FLUQ8D9C9Q9V8LI	<NULL>	<NULL>	<NULL>	<NULL>	<NULL>	<NULL>	0
55	GDUQR19A8LJ58P	S1985_50_pn.oits	5717		2TGK1V5X66LE8HG	24/06/2002 10:15	1	1
56	HH3LWF2H7JEB9LI	<NULL>	<NULL>	<NULL>	<NULL>	<NULL>	<NULL>	0
57	LLK9N717J3C778GXI	<NULL>	<NULL>	<NULL>	<NULL>	<NULL>	<NULL>	0
58	LXMD2PM6ERKM6G	c1_76.jpg	1014269		GTPKBL5WPW528A	24/06/2002 16:09	1	0
59	M3HP1A93JC9D8GI	nodal corrections.a	13240		SRUXD95C9EXF9P	20/06/2002 14:35	1	0
60	MF5B098BR1UB9LE	polmar76.doc	154112		GTPKBL5WPW528A	24/06/2002 16:13	1	0
61	N1ATXLU808MP8P	a.JPG	375588		GTPKBL5WPW528A	24/06/2002 16:00	1	0
62	NAVU57UJG3UJ79W	LVHH15_1200.JPG	73674		6M8JLW1MALT59LI	24/06/2002 11:07	1	0
63	ND3K1S455D59P6	d1.jpg	885353		GTPKBL5WPW528A	24/06/2002 16:11	1	0
64	POA3C3KDM88F8K	FPLK71_EGRR.DAT	2559		6M8JLW1MALT59LI	24/06/2002 11:06	1	0
65	QA39WRFQZ5L9I	<NULL>	<NULL>	<NULL>	<NULL>	<NULL>	<NULL>	0
66	S7SA9RLN26H58GL	<NULL>	<NULL>	<NULL>	<NULL>	<NULL>	<NULL>	0
67	SK8M8FGH8DLW9H	<NULL>	<NULL>	<NULL>	<NULL>	<NULL>	<NULL>	0
68	TSYK43RMBVUJ3NK	prints.plt	242000		SRUXD95C9EXF9P	20/06/2002 14:46	15	0
69	UN8LQHPAC38P9	<NULL>	<NULL>	<NULL>	<NULL>	<NULL>	<NULL>	0
70	URNF8WMMW1EP8	BMTReport.pdf	60000		SRUXD95C9EXF9P	20/06/2002 14:45	15	0
71	USPGF69A8PT9N2	<NULL>	<NULL>	<NULL>	<NULL>	<NULL>	<NULL>	0
72	V5HVN9546P1X8L5	residual current.txt	56587		SRUXD95C9EXF9P	20/06/2002 14:36	1	0
73	W4WUJ3NM5Q348	b1_76.jpg	246707		GTPKBL5WPW528A	24/06/2002 16:04	1	0
74	W6SF6XEKXD838KI	c1.jpg	994618		GTPKBL5WPW528A	24/06/2002 16:06	1	0
75	WXGBU0D3XD39A	<NULL>	<NULL>	<NULL>	<NULL>	<NULL>	<NULL>	0
76	X8BMNESVH7C8LI	timeseries_current	19968		SRUXD95C9EXF9P	20/06/2002 14:36	1	0
77	X98B9JPPPELOV8N6	<NULL>	<NULL>	<NULL>	<NULL>	<NULL>	<NULL>	0
78	XD3W38L6LUC3P	<NULL>	<NULL>	<NULL>	<NULL>	<NULL>	<NULL>	0
79	XDBVX6XJMOFB9GF	d1_76.jpg	447855		GTPKBL5WPW528A	24/06/2002 16:12	1	0

Figure 1. Selection of the activated MERMAID Catalogue Database



## 2. Test Datasets

### 2.1. BMT

No.	Name	Data Theme			Region	Format	Server	Date Uploaded
1	South China Sea Circulation	Oceans	Ocean Circulation	Ocean Currents	South China Sea	Gif image	Mermaid	03/05/02
2	Nodal Corrections	Oceans	Tides	Tidal Components	Worldwide	Ascii txt file	Mermaid	03/05/02
3	Current Timeseries	Oceans	Ocean Circulation	Ocean Currents	Indian Ocean	MS Excel file	Mermaid	03/05/02
4	Residual Currents	Oceans	Ocean Circulation	Thermohaline Circulation	Indian Ocean	Ascii txt file	Mermaid	03/05/02
5	Report on Oil Spill	Other	N/A	N/A	North Sea	PDF	BMT Remote Server	03/05/02
6	Regular 2D Tidal Harmonics	Oceans	Tides	Tidal Components	NW Europe	ZIP File	Mermaid	08/05/02
7	Measured Met/Ocean Data	Atmosphere	Atmospheric Winds	Surface Winds	NE Atlantic	BINARY File (PLMTS)	BMT Remote Server	08/05/02
8	3D Modelled Timeseries Current Data	Oceans	Ocean Circulation	Ocean Currents	Bay of Biscay	BINARY File (3DMTS)	Mermaid	08/05/02
9	2D grid Tidal Harmonic Constituents	Oceans	Tides	Tidal Components	NW Europe	BINARY File (I2DTH)	Mermaid	08/05/02
10	Observed Irregular Timeseris	Oceans	Ocean Circulation	Ocean Currents	South China Sea	BINARY File (OITS)	BMT Remote Server	08/05/02
11	Remote Test2	Oceans	Ocean Circulation	Ocean Currents	NE Atlantic	MS Word	BMT Remote Server	20/05/02



## 2.2. MO

No.	Name	Data Theme			Region	Format	Server	Date Uploaded
1	Satellite Picture	Atmosphere	Clouds	Cloud Optical Thickness	Europe and N. Atlantic	JPEG	Mermaid	08/05/02
2	Pressure Chart	Atmosphere	Atmospheric Pressure	Surface Pressure	Europe and N. Atlantic	GIF	Mermaid	08/05/02
3	Shipping Forecast	Atmosphere	Atmospheric Winds	Surface Winds	Europe and N. Atlantic	Text	Mermaid	08/05/02
4	World Cities Forecast	Atmosphere	Atmospheric Temperature	Air Temperature	World	Delimited Text	Mermaid	08/05/02
5	Radar Image	Atmosphere	Precipitation	Precipitation Rate	UK	Esri GIS format	Mermaid	08/05/02
6	Grib Datasets (T+12 – T+120)	Atmosphere	Atmospheric Winds	Surface Winds	World	Grib	Met Office	20/05/02
7	Grib Datasets (T+12 – T+120) – single element	Atmosphere	Sea Surface Height	Sea Surface Height	Europe	Grib	Met Office	20/05/02



### 2.3. CEDRE

No.	Name	Data Theme			Region	Format	Server	Date Uploaded
1	Intérêt écologique particulier de la zone estuarienne (Etude de risques et de vulnérabilité du litto)	OCEANS	Marine Environment Monitoring	Emergency Oil Spills	France	Image -gif	Mermaid	14/05/2002
2	Les espaces naturels protégés et les facies sédimentaires (Gironde)	OCEANS	Marine Environment Monitoring	Emergency Oil Spills	France	Image -gif	Mermaid	14/05/2002
3	Typologie des facies littoraux, Plan Polmar de la Manche	OCEANS	Marine Environment Monitoring	Emergency Oil Spills	France	Image -gif	Mermaid	14/05/2002
4	Cartes des inventaires scientifiques et listes d'espèces (Etude de risques et de vulnérabilité)	OCEANS	Marine Environment Monitoring	Emergency Oil Spills	France	Image -gif	Mermaid	14/05/2002
5	Etude de risques et de vulnérabilité du littoral de la Seine-Maritime	OCEANS	Marine Environment Monitoring	Emergency Oil Spills	France	Text word -	Mermaid	14/05/2002
6	Limites administratives du département de la Seine-Maritime	OCEANS	Marine Environment Monitoring	Emergency Oil Spills	France	Image -gif	Mermaid	14/05/2002
7	Utilisation et exploitation de l'espace (Gironde)	OCEANS	Marine Environment Monitoring	Emergency Oil Spills	France	Image -gif	Mermaid	14/05/2002
8	Les inventaires scientifiques (Etude de risques et de vulnérabilité du littoral de la Gironde), n°1	OCEANS	Marine Environment Monitoring	Emergency Oil Spills	France	Image -gif	Mermaid	14/05/2002
9	Etude de risques et de vulnérabilité du littoral de la Gironde	OCEANS	Marine Environment Monitoring	Emergency Oil Spills	France	Text word -	Mermaid	14/05/2002
10	Cartes de l'utilisation et de l'exploitation de l'espace (Etude de risques et de vulnérabilité)	OCEANS	Marine Environment Monitoring	Emergency Oil Spills	France	Image -gif	Mermaid	14/05/2002



## 2.4. IMGW

No.	Name	Data Theme			Region	Format	Server	Date Uploaded
1	Surface nutrients, 1985	Oceans	Ocean Chemistry	Nutrients	southern Baltic Sea	OITS	Mermaid	10/05/2002
2	Surface Oxygen, 1985	Oceans	Ocean Chemistry	Oxygen	southern Baltic Sea	OITS	Mermaid	10/05/2002
3	Transparency, 1985	Oceans	Ocean Optics	Secchi Depth	southern Baltic Sea	OITS	Mermaid	10/05/2002
4	Surface temperature & salinity, 1985	Oceans	Salinity/ Density	Salinity	southern Baltic Sea	OITS	Mermaid	02/05/2002
5	Acidity, 5m, 1985	Oceans	Ocean Chemistry	pH	southern Baltic Sea	OITS	Mermaid	02/05/2002
6	Nutrients, depth 10m, 1985	Oceans	Ocean Chemistry	Nutrients	southern Baltic Sea	OITS	Mermaid	10/05/2002
7	Nutrients, depth 50m, 1985	Oceans	Ocean Chemistry	Nutrients	southern Baltic Sea	OITS	Mermaid	10/05/2002
8	Oxygen concentration and saturation, 50 m, 1985	Oceans	Ocean Chemistry	Oxygen	southern Baltic Sea	OITS	Mermaid	02/05/2002
9	Total Phosphorus & Nitrogen, 50m 1985	Oceans	Ocean Chemistry	Nutrients	southern Baltic Sea	OITS	Mermaid	02/05/2002
10	Temperature & salinity, 50m, 1985	Oceans	Ocean Temperature	Water Temperature	southern Baltic Sea	OITS	Mermaid	02/05/2002