

PAN-EUROPEAN INFRASTRUCTURE FOR OCEAN & MARINE DATA MANAGEMENT

SDN 3rd plenary meeting, Split, 24-25.09.2014

Work flow from data collection to the CDI

Institute of Meteorology and Water Management National Research Institute Maritime Branch in Gdynia, Poland

W. Krzymiński

Data inventory : 11 286 CDIs

Per instrument	Datasets	Start date
CTD	8 614	1956
discrete water samples	2 672	1989



Programmes of origin

Programmes	acronym	Start date	End date
Oceanographic service	SOC	1959-03-03	2002-12-31
Baltic Monitoring Programme BMP	BMP	1976-01-01	1998-12-31
Oceanographic service in 2003	SOC2003	2003-01-01	2003-12-31
Polish Baltic monitoring programme in 1999	COMBINE 1999	1999-01-20	1999-12-15
Polish Baltic monitoring programme in 2000	COMBINE 2000	2000-01-20	2000-12-15
Polish Baltic monitoring programme in 2001	COMBINE 2001	2001-01-20	2001-12-15
Polish Baltic monitoring programme in 2002	COMBINE 2002	2002-01-20	2002-12-15
Operational Radar and Optical Mapping of the Sea	OROMA	2002-02-01	2005-01-31
Polish Baltic monitoring programme in 2003	COMBINE 2003	2003-01-20	2003-12-15
Research of zooplankton in 2004	DS-O3	2004-01-01	2004-12-31
Polish Baltic monitoring programme in 2004	COMBINE 2004	2004-01-20	2004-12-15
Polish Baltic monitoring programme in 2005 - 2006	COMBINE 2005-2006	2005-01-20	2007-03-31
Polish Baltic monitoring programme in 2007	COMBINE 2007	2007-01-31	2008-04-30
Polish Baltic monitoring programme in 2008	COMBINE 2008 - 2009	2008-01-20	2009-12-15
Polish – Russian transboundary cooperation PL0223	PL0223	2008-06-01	2011-03-31
Polish Baltic Monitoring Programme 2010-2011	COMBINE 2010 - 2011	2009-12-15	2012-05-15
Polish Baltic Monitoring Programme 2012-2013	COMBINE 2012-2013	2012-01-01	2014-05-31

The main work flow

> present data – delayed mode:

- ✓ Cruise data are sent to RDBs system at IMGW.
- ✓ Preparation of the cruise summary reports.

historical data (older than one year):

- Preparation of metadata and odv data files on physical and chemical data collected during IMGW's cruises : CTDs, discrete water samples (nutrients) in frame of various programmes.
- Under development procedures for xml and odv files trajectories (ADCP and FerryBox data) as well as for raw CTD profiles.
- Most recent dvelopment biological metadata and odv data preparation

Cruise data flow at IMGW – delayed mode



Data flow in frame of SDN2

- EDMO catalogue updated with most of oceanographic organizations.
- EDMERP sub-accounts created for other institutes.
- IMGW's projects information updated on line within EDMERP database. Once a year.
- CSR preparation after the cruise.
- CTD and chemistry data file mapping. Once a year

CSR meta data

and the particular	lkod	storek				-	_	(Participation)	-		-	-	_			-	-		-	-	1.11	22	110	2024	10.00	<i>x</i> :] :	1-11	e jon	51 1	and an		
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prepared on cruise summary sheet

- quality control of the cruise summary sheet:
 - \succ vs cruise measurement programme,
 - \succ vs station sheets.



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Historical data flow in frame of SDN 2

- At IMGW, all the data sets except ADCP ones are stored in RDBs system: CFM, biology, contaminants, FerryBox.
- Headers of data sets are exported into Excel file:
 - The records are supplied with additional fields, e.g. local CDIs, quality flag, access info, license, abstract, etc.
 - Local CDI is a combination of a year, ICES ship's code and a numer of a cruise, station consecutive number and suffix: TS, NUTR, CHLA, etc., e.g.: 20141006126_NUTR.
 - XML CDI records are generated using MIKADO.
 - XML files are sent to MARIS.
- Data sets are exported, quality checked again and reformatted into single odv files (profiles) using own software (scripts).
 - ODV data and updated coupling table are stored on local server where Download Manager exist.

Headers of the data sets

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323	19941001	Baza_CF	1994-02-07 16:00	1994-02-10 19:00	55	53	14	22	point	99						
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Headers of the cruises

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95	19830605	BMP PL		IMGW OM	48	HYDROMET	Cruise organised samples collection salinity, currents, and saturation, pH levels, cholrophyl zooplankton within Baltic Sea in acco BMP Programme	for measurements and o f temperature, oxygen concentration i, nutrients on standard a, phytoplankton, n the Polish EEZ of the rdance with HELCOM	1983-08-24 18:00	1983-09-06 09:00	55	53	14	22				
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96	19830606	Oceanographic service		IMGW OM	48	HYDROMET	service Cruise organised samples collection salinity, currents, and saturation, pH levels, cholrophyl zooplankton within Baltic Sea in acco	for measurements and o of temperature, oxygen concentration I, nutrients on standard a, phytoplankton, n the Polish EEZ of the rdance with HELCOM	1983-09-12 03:00	1983-10-06 12:30	55	53	14	22				
97	19830607	BMP PL		IMGW OM	48	HYDROMET	BMP Programme Cruise organised samples collection salinity, currents, and saturation in f	for measurements and of temperature, oxygen concentration frame of oceanographic	1983-10-11 00:00	1983-10-13 12:30	55	53	14	22				
98	19830608	Oceanographic service		INGW OM	48	HYDROMET	service Cruise organised samples collection salinity, currents, and saturation, pH levels, cholrophyl zooplankton within Baltic Sea in acco	for measurements and of temperature, oxygen concentration i, nutrients on standard a, phytoplankton, n the Polish EEZ of the rdance with HELCOM	1983-11-04 22:00	1983-11-25 21:00	55	53	14	22				
99	19830609 19840601	BMP PL Oceanographic service		IMGW OM	48	HYDROMET HYDROMET	BMP Programme Cruise organised samples collection salinity, currents, and saturation in f service Cruise organised	for measurements and of temperature, oxygen concentration frame of oceanographic for measurements and	1983-12-12 20:00 1984-01-24 17:00	1983-12-14 22:00 1984-01-27 00:00	55	53	14	22				
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Under development

- Preparation of raw CTD data sets using NEMO during a cruise.
- Preparation of data sets for ADCP trajectories data using NEMO.
- Manual preparation of xml metadata files for each cruise ADCP and FerryBox trajectories.

Thank you for listening