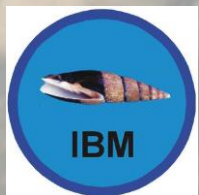


SeaDataNet II - Pan-European infrastructure for Ocean & Marine Data Management



SeaDataNet 2 Kick-Off Meeting , Athens, October 19-20th, 2011



Institute of Marine Biology in Kotor - **IMBK** - from 1961 to 2011 ... 50 years

Institute of Marine Biology was founded in 1961.
Nowadays IMB is organized as a unit of the University of Montenegro as the only research institution in Montenegro committed to the scientific investigation, exploitation, control and protection of the sea.

The research have multidisciplinary approach, primarily focused on the fundamental research of the Southern Adriatic and the Boka Kotorska Bay as a natural phenomenon





Main research areas are marine biology and ecology, chemistry and oceanography, fisheries, aquaculture, marine conservation and protection, which are realized within the five different laboratories:

- ☐ Laboratory of General Biology and Marine Conservation
- ☐ Laboratory of ichthyology and marine fisheries
- ☐ Laboratory of neurophysiology and ecophysiology
- ☐ Laboratory of chemistry, biochemistry and molecular biology
- ☐ Laboratory of research development and mariculture



National, regional and international cooperation with domestic and foreign scientific institutions and organization is developed mainly through the implementation of the various projects devoted to the exploration, protection and sustainable use of marine resources.

❑ Laboratory of chemistry, biochemistry and molecular biology has experience with projects such as:

MAMA - Mediterranean network to Assess and upgrade Monitoring and forecasting Activity in the region”(2001-2005)

COWAMA – Coastal Water Management (2006-2008) – Italy, Serbia, Montenegro

MYTIAD- Monitoring hazardous (harmful) substances accumulation in mussels France, Italy, Slovenia, Bosnia and Herzegovina, Montenegro, Albania.

ADRICOSM-EXT - Adriatic sea integrated coastal areas and river basin management system – Extension (2005-2006) –Italy, Slovenia, Croatia, Bosnia and Hercegovina, Albania, Serbia and Montenegro

ADRICOSM STAR - Adriatic sea integrated Coastal areas and river basin Management system: Montenegro coastal area and Bojana river catchment (2006-2010) – Italy, Albania, Montenegro

ECOPORT 8- Environmental management of transborder corridor ports (2009-2012) Italy, Greece, Bulgaria, Romania, Albania, Montenegro

MEDPOL - The Programme for the Assessment and Control of Pollution in the Mediterranean region

Bilateral projects with Austria, Slovenia, Croatia

IMBK has a number of marine data both historical and recent ones provided from international oceanographic cruises, national monitoring programmes and regular research activities in the Institute. IMBK has developed its own data base that comprise marine data collected within 24 cruises from 2002 to 2010, and others data.

Most of data are physical data (in database MySQL), while chemical and biological data are archived in various files and formats (mostly .xls). Entering chemical and biological data into the data base is in progress.

Database is available online : <http://www.oceanography.me>





Current status of our data:

Data are downloadable from website only for registered and authorised users (currently members of the Institute). Database tables are already normalized and ready for easy transforming into EDMED format as soon as relevant EDMERP and CSR records become updated (projects and cruises are organized by institutions from other countries)

www.seadatanet.org/content... Seadatanet Google преводац Data sets

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SEA ODC South-East Adriatic Oceanographic Data Center

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Project: **FAO AdriMed**
ADRICOSM-EXT
ADRICOSM-STAR
 IBMK internal
 Calypso
 IAEA
 MytiAd
 IRSN
 MED POL
 ECOPORT 8
 ENVEurope

Instrument: **box corer**
CTD
 diving grab
 net
 roseta
 Shipek grab

Period: From 2002 Aug 21 Until 2011 Apr 19 Season: From Jan 01 Until Dec 31

Time of day: From 00 00 Until 23 59

42.60000
 18.00000 20.00000
 41.40000
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☐ Count ☒ Meta-data / Download Search Reset

Datasets are freely available for research community only (i.e. for registered and previously authorized users).

| ont. | Sample ID | Station label | Timestamp | Latitude Longitude | Bottom | Instrument Model | Sample type | Reference Remarks | Cruise Vessel [Flag] | Project |
|------|-----------|---------------|---------------------|---------------------|--------|------------------|-------------|-------------------|---|---------------|
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| 2) | 210 | TV | 2007-11-20 22:55:09 | 42.431667 18.658167 | 39 | CTD SBE 9 | data | tv.dat 75 records | ADRICOSM-STAR cruise 1 G. Dallaporta [IT] | ADRICOSM-STAR |

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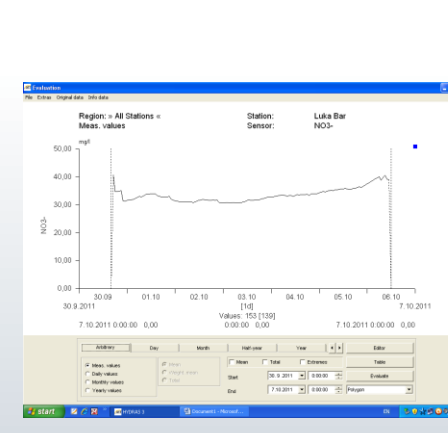
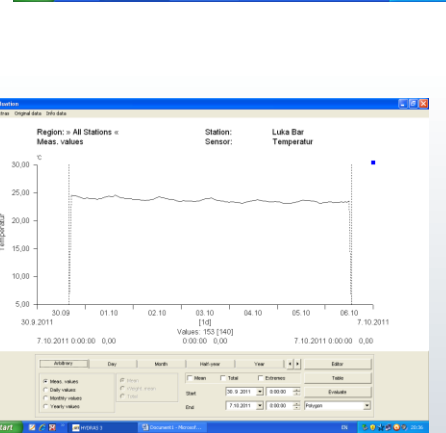
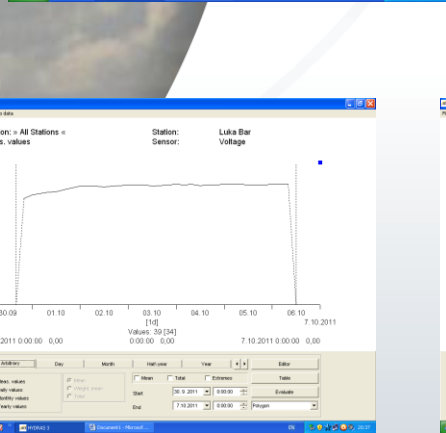
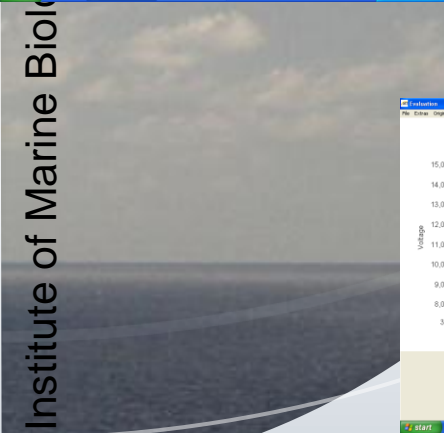
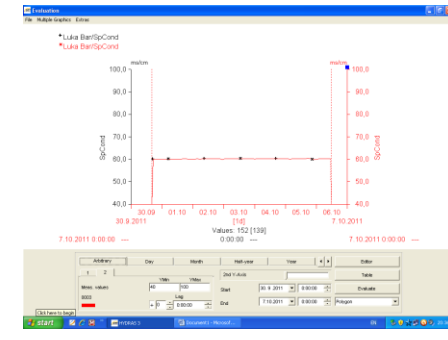
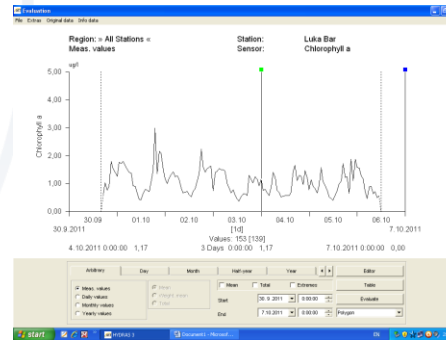
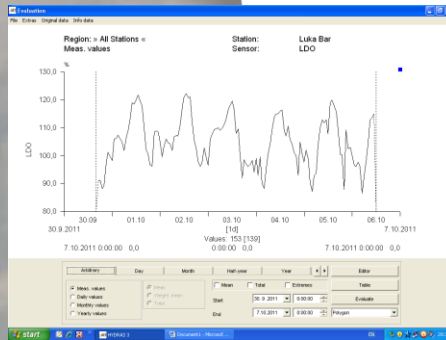
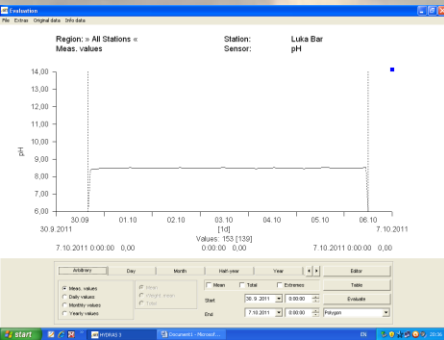
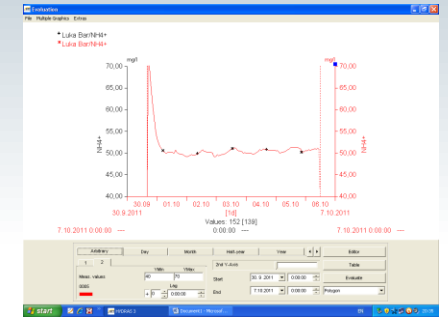
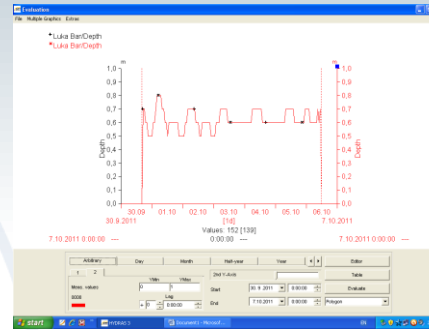
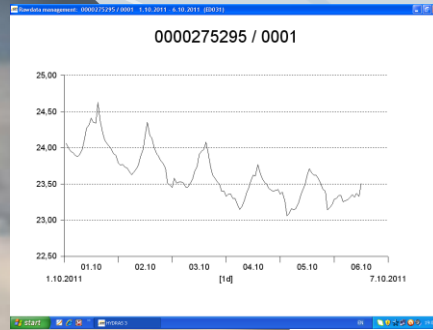
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IMBK has recently installed new OTT DS5X automatic station for water quality monitoring in the aquatorium of the Port of Bar (Montenegro).

Station is equied with GPRS communication, softwer and probes with sensors for T, depth, pH, conductivity, oxygen, ammonia, nitrates and chlorophyll, and supporting equipment. The data are readly every 1h , for 8 parameters.







Plans:

To equip and put into operation oceanographic buoy – in the first Montenegrin new protected marine zone



To repair and get access to another automatic station in front of Institute, temporary out of function.



SeaDataNet II

IMBK will be the subcontractor of **OGS** (Istituto Nazionale di Oceanografia e di Geofisica Sperimentale) - Italy.

Work to be done within project:

WP2.1: participation to plenaries

WP3.2, 3.3: participation to trainings

WP4.3: installation of tools for metadata

WP5.2: installation of tools for data

These activities coordinated by OGS should establish IMBK as extra data centre nodes connected to the SeaDataNet infrastructure.

By taking up the SeaDataNet standards and practices IMBK should become NODC for Montenegro, providing data and metadata access for users.



Thank you for offering us to be the part of
the Pan-European infrastructure for Ocean
& Marine Data Management – ***The
SeaDataNet II*** Project

Thank you for attention