



3rd MEDAR/MEDATLAS Steering Committee

Albena Conference Centre,
Varna, Bulgaria
June 29-30, 2000

Participants

(Addresses in annex)

Presents : Efstathios BALOPOULOS, Harry DOOLEY, Maria-Jesus GARCIA, George KORTCHEV, Catherine MAILLARD, Beniamino MANCA, Nickolay MIKHAILOV, George MUNGOV, Mustafa OZYALVAÇ, Michel RIXEN, Marsel SHAIMARDANOV, Delcho SOLAKOV, Soukaina ZIZAH

Excused : E. LIPIATOU, S. EL AGAMI, M. FICHAUT, I. OLIOUNINE

Agenda

1. Local arrangements
2. Workspackages Report
3. Status of the Benchmarks, Milestones for next 6 months
4. Status of the protocol
5. Additional contract for data copyright
6. Management Report, payments, networking, documentation, promotion, IMPACT Cluster
7. Preparation of the next Annual Workshop in Cyprus
8. Visits to the Institute of Oceanology in Varna and of the Meteorological Station in Albena Resort

Minutes of the Meeting

The meeting opened on June 29, 2000, in the Albena Conference Centre. The local arrangements were presented to G. Mungov.



WP I Report - Global Inventory

N. Mikhailov

The Global inventory includes now:

- ◆ 1651 cruise descriptions for Mediterranean Sea
- ◆ 6320 cruise descriptions for Black Sea

All sources used – some duplication remains between the main sources. They are loaded under oracle - all descriptions on web site- each country can download their catalogue via ftp.

Two levels of inventories are proposed: one as exhaustive as possible, but with limited information; the other more detailed (including stations locations) corresponding to the archived data.

Question: is the source of data mentioned? Yes when available,

Comment from BM: It was not a tradition of ROSCOP in the Mediterranean and Black Seas (about 10%). At the end of the work from the data, the inventory will be modified, because of the compilation of many historical data sets and checks of the data

Action: after integration:

- ◆ meta-data to inventory
- ◆ data to analysis centre

WP II-BS Report - Regional Assembling for Black Sea

N. Mikhailov

Tasks II & IV– Benchmarks for data

- Benchmark1 from the Regional Centres
 - Black Sea

Data have been received from Russia, Ukraine, Bulgaria, and Turkey

All data QCed through Qcmedar and specific software at WDC

81 cruises submitted- after additional QC same 80 cruises sent.

Additional benchmark with 950 cruises

The report on the web site (<http://www.meteo.ru/nodc/project/about/reportwg.htm>)

A Regional Workshop has been made with all participants.

WP II-EB Report - Regional Assembling for Eastern Basin

E. Balopoulos

Table of data received - all QCed

Not all the data sent to SISMER yet, but ready to be sent to SISMER

Send copy of Mediterranean sections to HNODC.

These data sets include data in the West and central

Good coverage of the SE part of the Mediterranean Sea

Not yet regional meeting

WP II-CB Report - Regional Assembling for Central Basin

B. Manca

Many institutes co-operating, data have been received from: Malta, ENEA, SACLANT which is checking its data before sending, POEM (national data sets), EROS (a copy is at OGS and one DISCOVERY cruise is already included in the data set but 2 requests sent to ISMARE by the co-ordinator remained unanswered).



Extraction of duplicates not finished.

QC: test of the methodology

- Broad range climatological checks T/S implemented.
- Levitus climatology 5x5 distributed in Brest, test in the Central Mediterranean.

Not yet regional meeting

Question? Clarify the time period if only one-day of CTD and 1 month of Xbt and bottles.

Answer: the cruise header is a subset of the cruise report and can give a longer period of time than the data reported within the file. Each data type should be archived in a distinct file. In most of the cases, the mixing would complicate the archiving, as the number of data points is heterogeneous: few parameters and many data points on the vertical for CTD casts and few data points and many parameters in bottle casts.

Question: Merging bottles and CTD?

Answer: do not mix bottle and CTD in this MEDAR database, leave them in distinct files.

Action: Search a method (roscof parameter?) to filter the duplicate between bottle and CTD before the analysis

Question: Do we keep T and S data points extracted from CTD at the bottle levels when transmitted in the bottle files with the corresponding chemicals?

Answer: Yes keeps it because they are useful for the users, but keep information in the comment lines. However it is necessary to find out how to avoid duplicates between bottle and CTD for T and S for the climatological computation.

WP II-WB Report - Regional Assembling for Western Mediterranean Sea

M-J. Garcia

89 new cruises –2442 profiles

Data from Spain, Morocco, Algeria

Most of the nutrient data are coastal data.

More data are expected from Blanes

Question: frequent oxygen values >10 ml/l have been found

Answer (ICES): up to 18 may be accepted!

The data sent to Ifremer are OK for the first test -

Action: send the data to Spain at least positions

WP III Report - First Tests of Integration

C. Maillard

Data asked to ICES/MDM network – answers received from GER, UK, CA.

Delivery

- Black Sea ready
- East Mediterranean ready
- Central : on month end of July
- Western



- Integrated data flagged 1 and 2

A series of problems in formats and remaining anomalies have been listed.

WP IV Report - - Climatological analysis

M. Rixen

- ◆ Analysis computation –
 - ◆ The new version of the VIM is on the web
 - ◆ the final resolution is 0.10 of degree (T,S), but also at 0.25 degree
 - ◆ Meshing of the Black Sea, with islands, semi-closing the straits; contact nick to investigate the previous results on the Black Sea from Moscow State University, WDCB
 - ◆ Number of standard levels to be defined follow the modellers requirements for T, S and maybe less for the nutrients
 - ◆ Analysis of the data density distribution ex: summer to avoid bias – information will be given on how this information is distributed
 - ◆ Problem of the climatological changes in the Eastern Mediterranean : interannual computation if possible
 - ◆ A paper is almost finished to produce the estimate of the error maps will be disseminated when submitted
 - ◆ QC of the results – to be done

Task V Report - Status of the protocol for QC

H. Dooley, C. Maillard

Introduction ICES: the QC workshop has proved that many institutes can work together.

- Inventory
 - Make clear the replacement of cruises in the protocol : prepare one list of the procedure and send or to make different versions Add a new field
 - ? Reference number: would it be possible to add a letter as a reference for the data set?
For the future
 - ICES has always considered ROSCOP, as part of the QC because we don't always get was you think and it is useful to cross check (ex: amonium data have been transferred but it was nitrate). Also when a format convert to one format to another, to check that the data set has not been distorted (it would be good to produce statistics).
 - Make the Redfield ratio test, plot of parameter against any parameter – ODV
 - Add nitrate > phosphate
 - Compute oxygen saturation
 - HD will send a new list of checks
 - Problem in med97 of decimal degree?
 - Stated procedures
- Observed data
 - Second version of the manual
 - Updated broad range control values on website
 - Preliminary tests of the Redfield ratio
 - Averaged climatology for T & S check
 - Black Sea : only data from last 15 years
 - NTRA+NTRZ :Keep the original values
 - On the web put the line of the header for parameters?
- Climatology
 - Conversion of the oxygen – HD send a list of additional tests.
 - Contact ISAO, ENEA, WDCB , ICES



Management

C. Maillard

Additional contract for data copyright

The additional contract proposal for data copyright and dissemination has been revised in details for taking into account the existing WMO and IOC Data Policy and further on going discussions of working groups. The Steering Committee recommended to continue the work on the writing and to simplify it to 2-3 pages maximum.

Networking

- Co-ordinating web site
- Inventory web site : the information is regularly updated (typically once a month) - Ifremer (P. Cotty) to be reactivated for mirror site
- Regional websites opened - Central web site contains also edited descriptions of the data sets
- National web sites Israel opened – other in preparation

Presentation to meetings

- Brochure : corrections to make on logos/names for OGS , INRH/DOA, ISAO
- Papers for “ocean and atmospheric data management” journal special issue
 - Last dead line end of July- titles and authors to be sent immediately to HNODC
- EC Hamburg & IODE Lisbon meetings: Papers, posters each workpackage should send a picture in July to SISMER

Next payment

Not yet received (in fact it arrived June 30 at IFREMER for the MAST contract, INCO later on).

IMPACT Cluster

Report of the Brussels and Haifa (CYCLOPS) meetings

Actions for the forthcoming 6 months

- Continuation of data compilation and QC
- Benchmark within 3 months :
 - ◆ data to analysis centre
 - ◆ meta-data to inventory
- Updating of the protocol with clarifications on the data organisation and input from ICES
- Check of no T & S duplication between bottle and CTD
- Correction of the brochure
- Preparation of poster and project synopsis for EUROCEAN meeting in Hamburg
- Preparation of papers for Ocean Data Review
- Preparation of the 18 month Report
- Preparation of the next Annual Workshop in Cyprus 13-15 December

Final Discussion and Closure of the Meeting

The Steering Committee ended the meeting with a discussion on the tightness of the time table for the data compilation and processing, that are very heavy work to the regional and national data centres. However the step forward was very substantial toward a good database. Discussions have also permitted to go further with the protocol.

The MEDAR Steering Committee thanked heartfully Georgi Kortchev and all the colleagues from Varna and Sofia for the excellent local organisation and facilities, and all the effort they deployed for the success of our meeting.



Visits

Institute of Oceanology of Varna

Thursday June 29 has been devoted partly to working session and partly to visits of great interest. In the morning, we have received by Pr. Konsoulov, Director of the Institute of Oceanology of Varna who explained the activities of the institute.

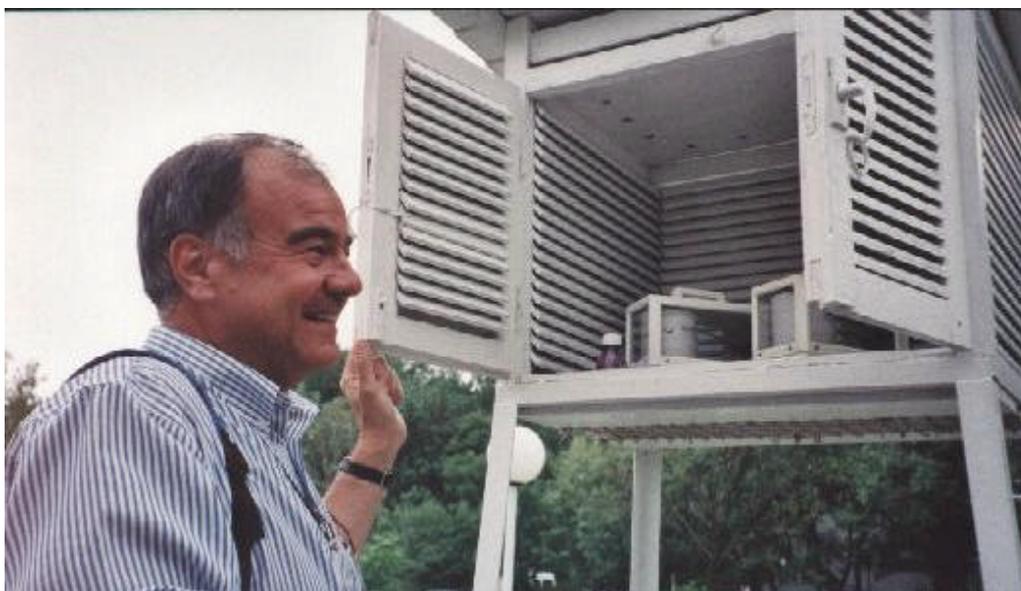


We met the scientists and visited the institute submarine and get an overview of the subsurface research in the Black Sea.



Meteorological Station in Albena

The Bulgarian Meteorology has joint projects with the Albena tourist resort and real time observations and predictions are available in each hotel from an observing system settled in the resort itself.



Georgi Kortchev presents the multi-sensor system to the Steering Committee.



George MUNGOV, Maria-Jesus GARCIA, Soukaina ZIZAH, Michel RIXEN, Beniamino MANCA, George KORTCHEV, E. BALOPOULOS, Harry DOOLEY



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