

(2) to organize and locate support for a small technical workshop on mathematical and statistical models that permit quantification of environmental data from the geological record for use in dynamic circulation models.

With respect to the second category;

(3) to organize and convene a Symposium on paleo-oceanography at the Joint Oceanographic Assembly in Edinburgh in 1976 as proposed by CMH and agreed by JOA.

(4) to prepare a draft of a report for general distribution in the oceanographic community detailing the opportunities, problems and methodologies of paleo-oceanographic research, illustrated with appropriate examples and a selected bibliography, to be issued preferably under sponsorship of SCOR.

Under the third category, the group formulated several recommendations which it wishes to have considered by SCOR for forwarding to appropriate international bodies for their attention: these will be included in the report mentioned in (4) above.

ANNEX XI

SCOR WORKING GROUP 41

Morphological Mapping of the Ocean Floor

Status Report 3 January 1974

A. S. Laughton (Chairman)

No further meetings have been held since 2 and 3 April 1973, after which a report dated 1 May 1973 was written, containing recommendations for a new organization for the preparation of a world series of bathymetric charts. After endorsement by the SCOR Executive in Texel, the report was forwarded to the Director, IHO.

On 5 and 6 June, the ICSU/IHB/IAPSO GEBCO Committee met in Monaco to consider the future of the GEBCO 1:10 million scale chart series and discussed in particular the report of the SCOR WG 41. The following formal recommendations resulted from the meeting:

"1. The GEBCO Committee recognizes the role played by the IHO as a centre for bathymetric data and invites that organization to continue and to develop further this activity which is essential for the GEBCO programme.

2. The GEBCO Committee recognizes that the present GEBCO series at 1:10 million no longer meets present needs of oceanographers. The members feel that a new series should be undertaken, along the general lines of the recommendations of SCOR WG 41 dated 1 May 1973. It recommends particularly that:

(a) a Guiding Committee for the new General Bathymetric Chart of the Oceans be formed by the IHO and the IOC after consultation with SCOR, IAPSO and the CMG. This Committee, which would replace the existing GEBCO Committee, should meet at the earliest possible opportunity and in any case prior to 1 April 1974,

(b) the necessary financial support for publication of the new series shall be sought without delay. The amount required is estimated at 300.000 FF. per annum and includes (i) the salaries of a full-time unit assigned to compile the mock-ups of the sheets; (ii) the cost of draughting, printing and distribution of these sheets. It is estimated that this unit should produce four sheets per year,

(c) appropriate scientific organizations are invited to table at the first meeting of the Guiding Committee mock-ups of the new chart illustrating the way in which each considers it ought to be prepared and which adhere to the recommendations made by SCOR WG 41,

(d) a careful enquiry should be conducted regarding the possible users of the new chart and potential users should be specifically questioned as to the value they attach to this chart.

3. The GEBCO Committee recommends to the IHB that work on the 1:10 M series in its present form should be suspended pending the institution of a new series and that the IHO should be invited to terminate the contract with the IGN for the fourth edition. The GEBCO 1:1 M plotting sheets should continue to be updated since, at the present time, these constitute the format for the distribution of bathymetric data for which the IHO is responsible.

4. The GEBCO Committee recommends that its two sub-committees, on Geographic Names and on Nomenclature of Ocean Bottom Features, be combined to form an advisory committee to the IHO.

5. The GEBCO Committee considers that the IHB should take action to ensure that appropriate experts are included in the UN Group of Experts on Maritime Nomenclature. The Committee recommends that the IHB give the matter urgent priority.

6. The GEBCO expressed its grateful thanks to the Institut Geographique National and in particular to the Director, Ing. Gen. G. R. Laclavere, for the work carried out up to the present in the preparation and publication of the present edition of the GEBCO.

7. The GEBCO Committee expresses its thanks to the Principality of Monaco for the financial and other assistance provided to the IHB which has played an important part in ensuring the continuation of the GEBCO.

8. The GEBCO Committee thanks the President of the IHB for providing assistance to the Committee and for hospitality on the occasion of the last meeting of the Committee."

In Autumn 1973, the new GEBCO Guiding Committee was set up by IOC and IHO in consultation with SCOR, IAPSO, and CMG and the following names have been suggested to represent the oceanographic side:

A. S. Laughton (SCOR)
B. C. Heezen (IAPSO)
E. S. W. Simpson (CMG)
G. B. Udintsev
W. Langeraar

The Guiding Committee is scheduled to meet in Paris from 25 to 27 April 1974.

The setting up of a full time Geoscience Unit to undertake compilation and contouring work is dependent on the necessary funds being made available. This matter is in the hands of IOC and has not yet been resolved.

In the light of the above activity it is not planned to hold further meetings of SCOR WG 41 in the immediate future, but to await the outcome of the new organization. If this is effective it might be considered that the SCOR WG 41 has fulfilled its terms of reference.

ANNEX XII

SCOR WG 42 (with ICES) STUDY OF THE POLLUTION OF THE BALTIC REPORT OF MEETING 28/29 JUNE 1973 Kiel, FRG

Participants

Dr G. Kullenberg (Denmark) Acting Chairman

Dr Hans Ackefors (Sweden)	Mr H. Naeve (Italy)
Prof. A. Aitsam (USSR)	Dr S. Nordström (Sweden)
Prof. B. Bolin (Sweden)	Dr W. Slaczka (Poland)
Dr H-J. Brosin (DDR)	Dr Erik Somer (Denmark)
Dr B. I. Dybern (Sweden)	Dr J-O. Strömberg (Sweden)
Prof. K. Grasshoff (FRG)	Mr Hans Tambs-Lyche (Denmark)
Dr R. C. Griffiths (France)	Mr O. Vagn Olsen (Denmark)
Mr Aaro Haverinen (Finland)	Dr A. Voipio (Finland)
Prof. Dr. G. Hempel (FRG)	Dr B. Weichart (FRG)
Dr A. Lindquist (Sweden)	Dr L. Zmudzinski (Poland)
Prof. C. H. Mortimer (USA)	

1. Opening of the Session

The Meeting was opened by Dr G. Kullenberg who on very short notice had been invited to act as Chairman by the President of ICES, due to the sickness of the Chairman, Professor I. Hela.

Mr H. Tambs-Lyche explained the procedure followed in this case and also noted the changes in members of the Working Group that had occurred.

A telegram was sent to Professor Hela regretting his sickness and wishing him a speedy recovery.