



INTERGOVERNMENTAL OCEANOGRAPHIC COMMISSION
(of UNESCO)

TERMS OF REFERENCE
FOR THE SCOR/IOC ON OCEAN CO₂ ADVISORY PANEL

The IOC-SCOR Advisory Panel on Ocean CO₂ takes the place of the IOC-JGOFS Advisory Panel on Ocean CO₂ which terminates with completion of the observational phase of JGOFS. The new Terms of Reference contained hereafter reflect the new priorities that are dominating the ocean CO₂ issues of today.

Terms of Reference for the SCOR/IOC Ocean CO₂ Advisory Panel

General Terms of Reference:

1. To advise SCOR/JGOFS, GOOS and OOPC on CO₂ observations, data management and modelling needed for studies of the global ocean carbon cycle.
2. To provide an international forum for initiatives to promote good quality observations of CO₂ in the oceans.

Specific Terms of Reference:

1. To identify gaps and weak links in the present CO₂ observation system needed for understanding and predicting global change.
2. To identify opportunities that can be used to further develop the observing system (e.g. piggy-backing on the climate observing system).
3. To aid the synthesis of JGOFS and IGBP results with respect to marine CO₂ observations, data management and modelling:
 - 3.1 by initiating and facilitating the assembly of CO₂ data bases,
 - 3.2 by interacting with ocean modellers with respect to the weaknesses and appropriate uses of CO₂ data,
 - 3.3 by encouraging and facilitating the collaborative analysis of CO₂ datasets and supporting data.
4. To maintain a watching brief to advise IOC and SCOR on CO₂ sequestration into the ocean.
5. To advise GOOS and OOPC on appropriate technology development for CO₂ monitoring.
6. To advise GOOS and OOPC on the observational strategies needed to assess, model and predict global ocean CO₂ fluxes.