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Secretary SCOR

What is SCOR?

- ***Interdisciplinary*** organization within framework of International Council for Science (ICSU).
- Established in 1957 to “***promote international cooperation*** in marine science”, in the midst of the International Geophysical Year (IGY)
- ***Non-governmental*** representative of the scientific community

SCOR Scientific Activities

- **Working Groups**
- **Large-scale Ocean Research Programs**
- **Ocean Carbon Activities**
- **Capacity Building**

Current SCOR Working Groups

- **Coupling Waves, Currents, and Winds in Coastal Models**
- **Standards for the Survey and Analysis of Plankton**
- **Sediment Trap and ^{234}Th Methods for Carbon Export Flux Determination**
- **Quantitative Ecosystem Indicators for Fisheries Management (with IOC)**
- **Marine Phytoplankton and Global Climate Regulation**
- **Ocean Mixing (with IAPSO)**
- **Mechanisms of Sediment Retention in Estuaries (with IAPSO and LOICZ)**

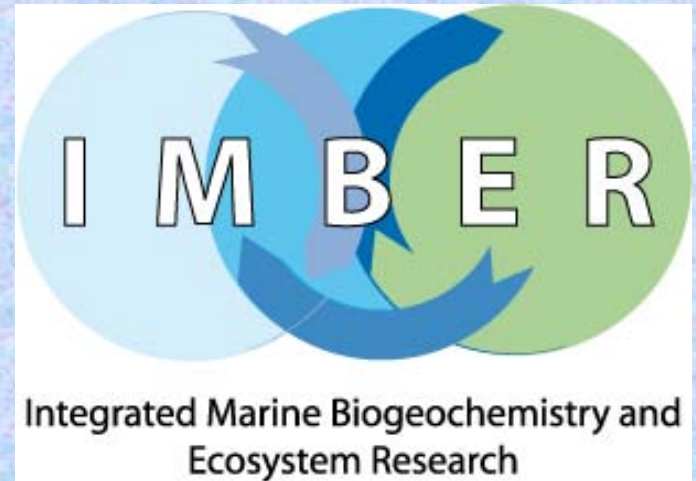
Current SCOR Working Groups

- Reconstruction of Past Ocean Circulation (with IMAGES)
- Analyzing the Links Between Present Oceanic Processes and Paleo-Records (with IMAGES)
- **Global Comparisons of Zooplankton Time Series**
- Role of Viruses in Marine Ecosystems
- Thermodynamics and Equation of State of Seawater (with IAPSO)
- Natural and Human-Induced Hypoxia and Consequences for Coastal Areas

Proposed SCOR Working Groups - 2006

- Deep Ocean Exchanges with the Shelf
- Automatic Plankton Visual Identification
- Coordinate the Availability of a World Register of Marine Species (WoRMS)
- The Legacy of in situ Iron Enrichments: Data Compilation and Modeling
- Ocean Time Series: Coordination and Integration of Science Objectives, Methods, Databases and Capacity-Building Efforts
- Tsunamis: Examination, Modeling and Risk Estimation (2007-2010)
- Role of Lanternfish in the Ocean

SCOR-Sponsored Large-Scale Ocean Research Projects



SCOR/IOC Ocean Carbon Activities

- **International Ocean Carbon Coordination Project**
- **The Ocean in a High-CO₂ World**

Capacity-Building Activities

- **Travel Grants**
- **POGO-IOC-SCOR Visiting Fellowships for Oceanographic Observations**
- **Regional Graduate Schools of Oceanography and Marine Environmental Sciences**
- **Provision of free copies of selected SCOR reports to libraries in developing nations**

New Activities

Symposium on Effects of Climate Change
on the World's Oceans

www.jhu.edu/scor