



# Welcome

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International Geosphere-  
Biosphere Programme

**GLOBAL**  
**I G B P**  
**CHANGE**



# International Geosphere- Biosphere Programme



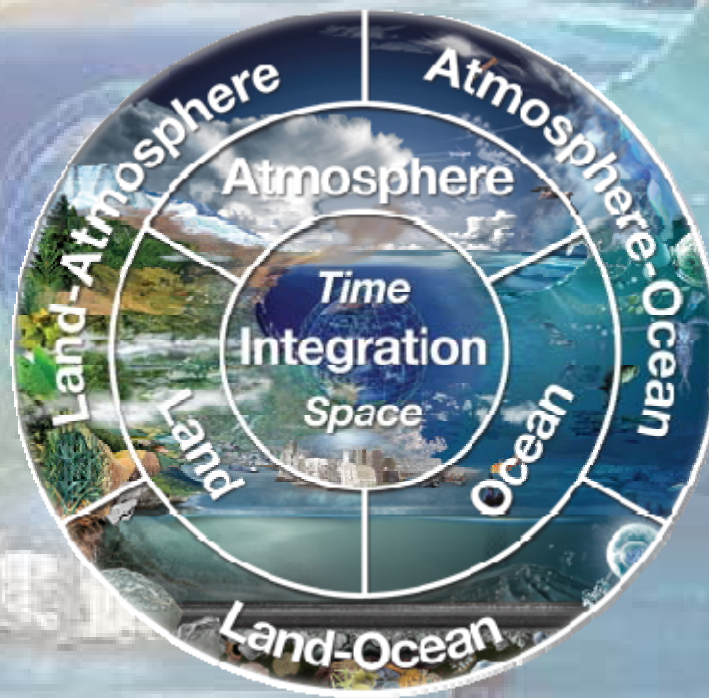
## Scientific Committee on Oceanic Research



## Intergovernmental Oceanographic Commission of UNESCO

# International Geosphere-Biosphere Programme

Integrated science of the Earth System



**JGFS**  
Joint Global Ocean Flux Study  
A Core Project of the International Geosphere-Biosphere Programme



[www.igbp.net](http://www.igbp.net)

**GLOBAL**  
**IGBP**  
**CHANGE**

# Scientific Committee on Oceanic Research

promotes international cooperation in all areas of ocean science



Photo: Arne Körtzinger, IFM-GEOMAR

[www.scor-int.org](http://www.scor-int.org)



# Intergovernmental Oceanographic Commission of UNESCO



provides Member States of the United Nations with an essential mechanism for global cooperation in the study of the ocean

Photo: Arne Körtzinger, IFM-GEOMAR

[www.ioc-unesco.org](http://www.ioc-unesco.org)





# Why GLOBEC?

- Interdisciplinarity
  - Physics – biology
  - Oceanography – fisheries
- Global scale problems needed
  - Comparison among similar ecosystems
  - Comparison among different ecosystems
- Societal relevance
  - Climate change
  - Fishing vs. Environmental variability
- Technological developments
  - Satellites, super computers
  - Email, internet





# Sponsor interests

- International cooperation needed
- Combined effects on fisheries
- Earth System science needed marine ecosystems

1991 International GLOBEC established by SCOR and IOC

1995 adopted by IGBP

1995 Science Plan 1999 Implementation Plan





# GLOBEC Goal

*To advance our understanding of the structure and functioning of the global ocean ecosystem, its major subsystems, and its response to physical forcing so that a capability can be developed to forecast the responses of the marine ecosystem to global change*





# Thanks

- Research scientists
- National and regional funding agencies
- International funding for IPO and activities (NERC, PML, NSF via SCOR)
- Dedicated leadership:
  - Brian Rothschild, Chair 1991-1995
  - Roger Harris, Chair 1995-2002
  - Cisco Werner, Chair 2003-2007
  - Ian Perry, Chair 2008-2009
  - Manuel Barange, IPO Director 1999-



