



United Nations
Educational, Scientific and
Cultural Organization

Organisation
des Nations Unies
pour l'éducation
la science et la culture

Organización
de las Naciones Unidas
para la Educación
la Ciencia y la Cultura

Организация
Объединенных Наций по
вопросам образования
науки и культуры

• Intergovernmental
Oceanographic
Commission

• Commission
océanographique
intergouvernementale

• Comisión
Oceanográfica
Intergubernamental

• Межправительственная
океанографическая
комиссия

Intergovernmental Oceanographic Commission of UNESCO

Dr Lorna Inniss

Dr Cesar Toro

**“Expert Consultation on
Operationalisation of the CSC”**

Bridgetown, Barbados

July 07 – 09, 2010

Anatomy of my Presentation

- **The structure and function of the IOC and its regional subsidiary bodies**
- **Marine Science in Latin America and the Caribbean “Building a science culture and Critical Mass”**
- **Some ideas for building a science/policy interface in the Caribbean**



Intergovernmental Oceanographic Commission

“Specialized Mechanism of the United Nations System to co-ordinate Global Scientific Ocean Research and Ocean Services”



IOC - The Intergovernmental Oceanographic Commission, of UNESCO

- Established the IOC Sub-commission for the Caribbean and Adjacent Regions **IOCARIBE** in 1982
- To co-ordinate and promote marine and coastal sciences and associated operational services in the region.
- **IOCARIBE** with its 29 Member States, is working for the development and sustainable use of the region's natural and human resources



Programmes of IOCARIBE

- Caribbean Large Marine Ecosystem (CLME)
- Tsunamis and Other Coastal Hazards Warning System (CARIBE EWS)
- Harmful Algal Blooms (HAB-ANCA)
- Integrated Coastal Area Management (ICAM)
- Global Ocean Observing System (GOOS)
- Ocean Data and Information Network for the Caribbean and South America (ODINCARSA)



IOC



Evolving Institutions

- Distribution of Labor in Science: Universities, Government, Industry
- International Cooperative Programs (like IOC)
 - Spatially distributed “*Large-facilities*”
 - Building consensus on research goals: (One planet. *One project?*)
- Regional Networks

Opportunities of Marine Science

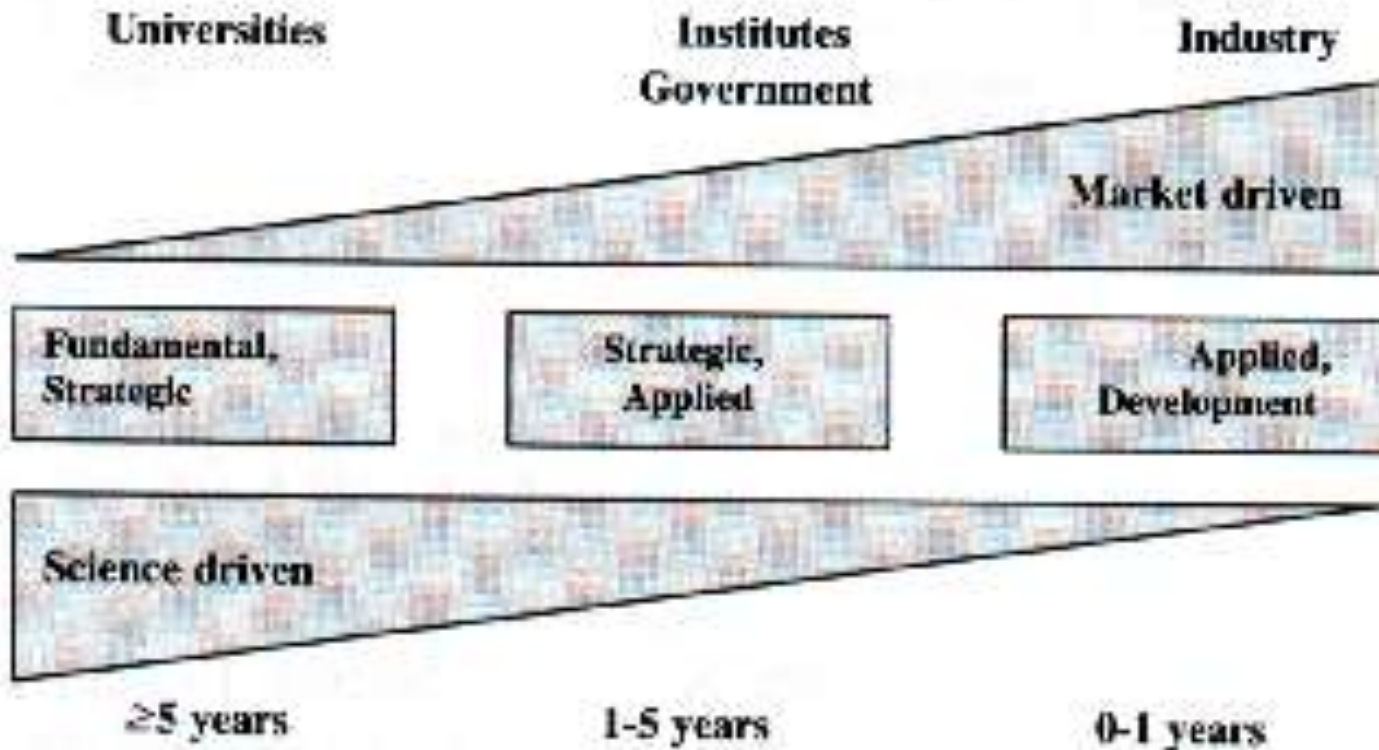
- Highly structured, codified knowledge: Open, International
- Common universal standards
- Low investment – high returns
- *Know why vs Know how*
- Autonomy of decision making and policies



IOC



Different Focus and Time for Parties in Research



J.Blaauwengraad (1999)



IOC



IOCARIBE

INTERGOVERNMENTAL OCEANOGRAPHIC COMMISSION

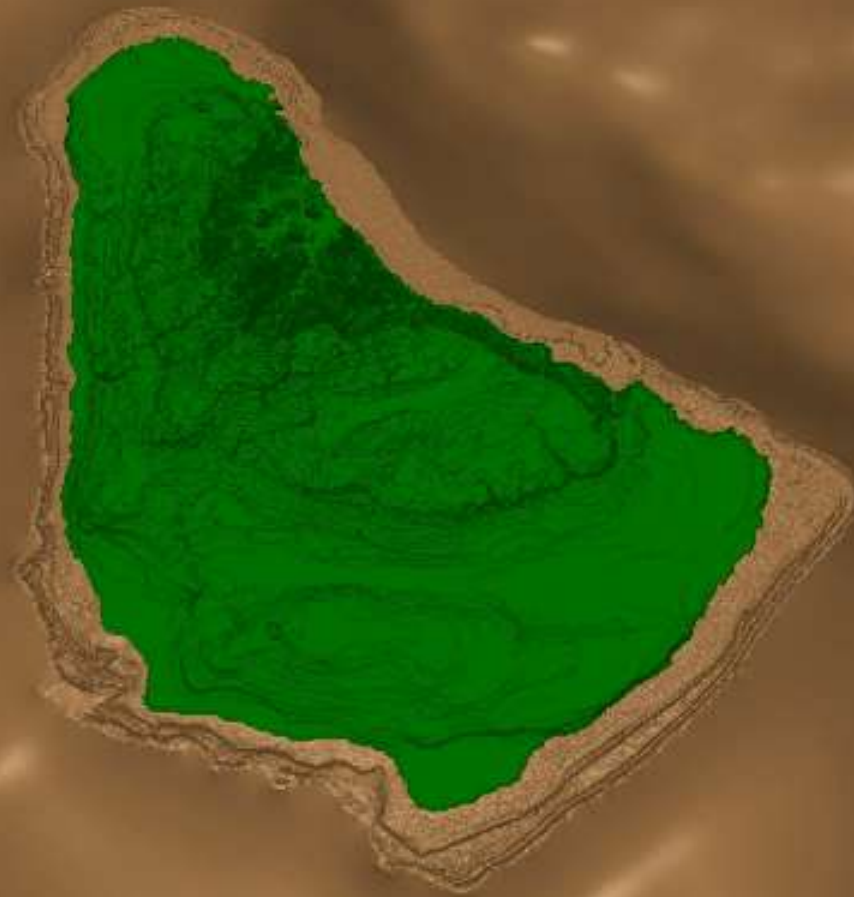
Sub-Commission for the Caribbean

Societal demands

- Development of Data and Information for the management of environment and by extension, the economy and society
- **Assessments of risks:**
 - over-exploitation of LMR
 - Climate Change: Global and Regional
 - Catastrophic collapse of ecosystems
- **Preventive adaptation and contingency plans for:**
 - natural disasters
 - slow secular changes
 - increased frequency of extreme events
- **Early warning of irreversible environmental trends**



BARBADOS



Baird



Regional Solution

- Regional Governance - A high level reliable channel from scientists to decision makers
- An agreement that binds current policy makers to use the information given
- Commitments by decision makers to support marine science in the long term
- Multi-stakeholder participation



IOC





Thank you!

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