

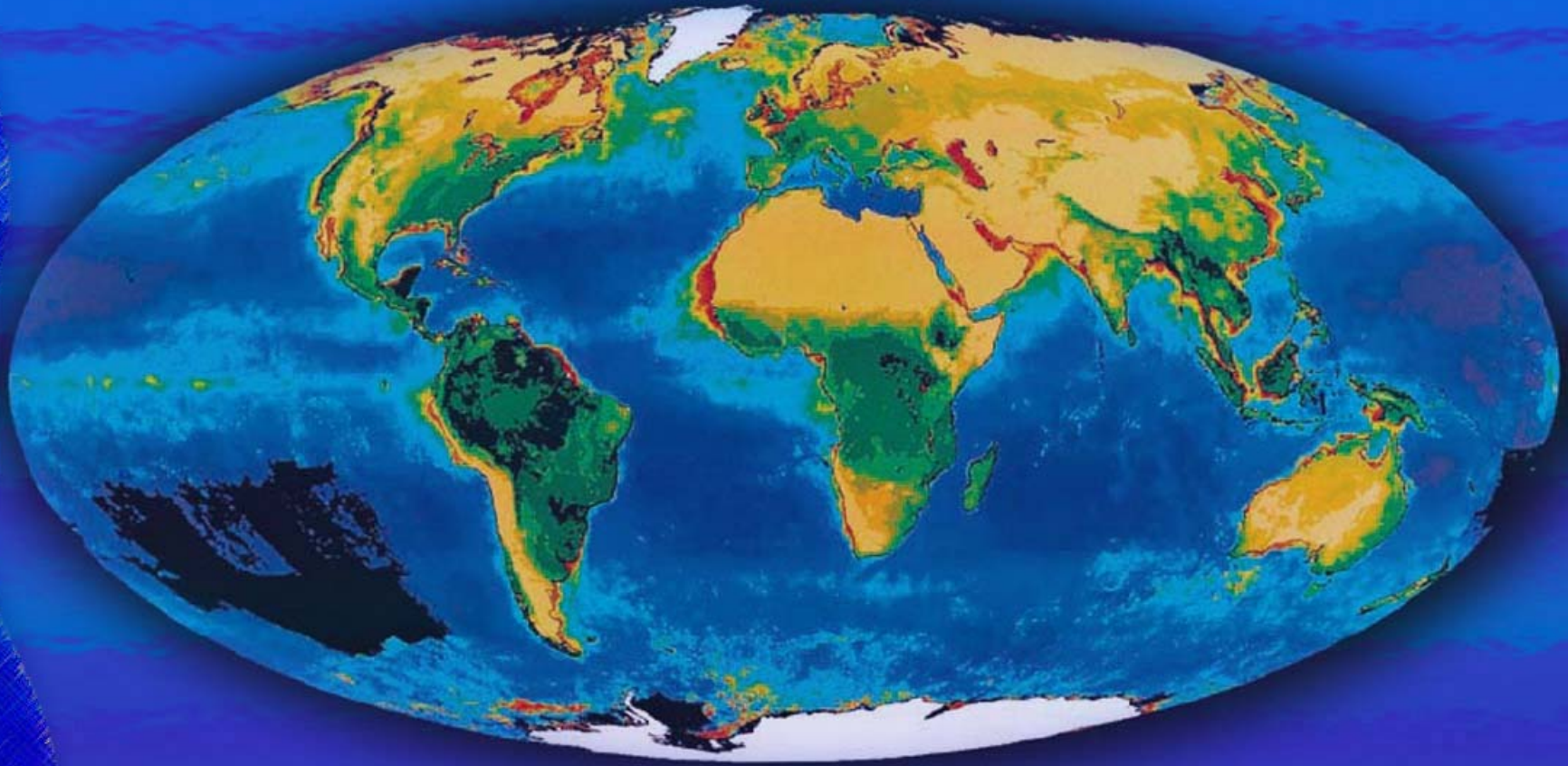
The IOC and International Cooperation in Oceanography





**INTERGOVERNMENTAL
OCEANOGRAPHIC
COMMISSION**





The Global Commons

Can we
manage
wisely





IOC

Ladies & Gentlemen,
we have the
tools, let's
use them...



IMO



WMO

Fragile

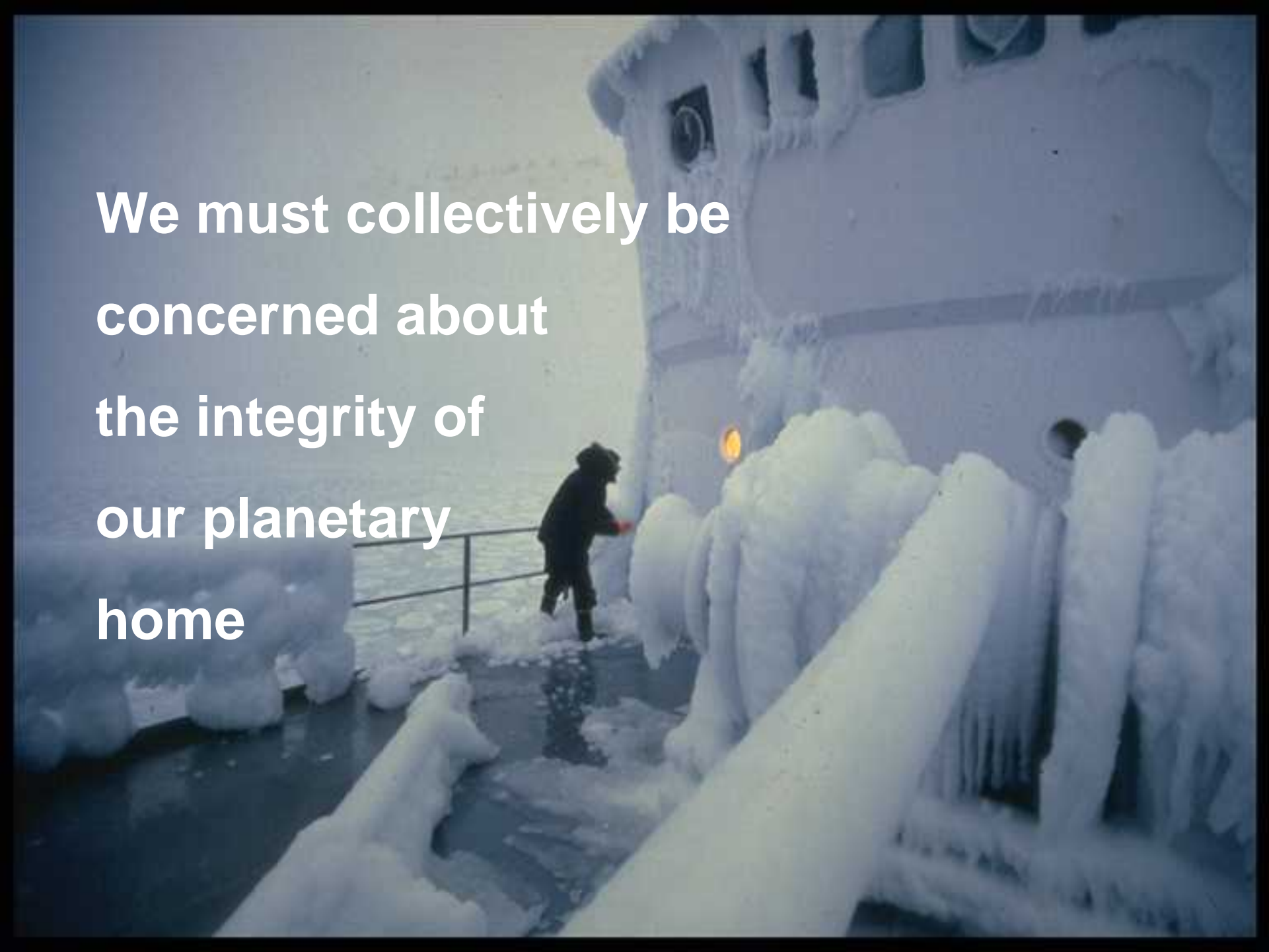
Unique



Vulnerable

Home!!

**We must collectively be
concerned about
the integrity of
our planetary
home**

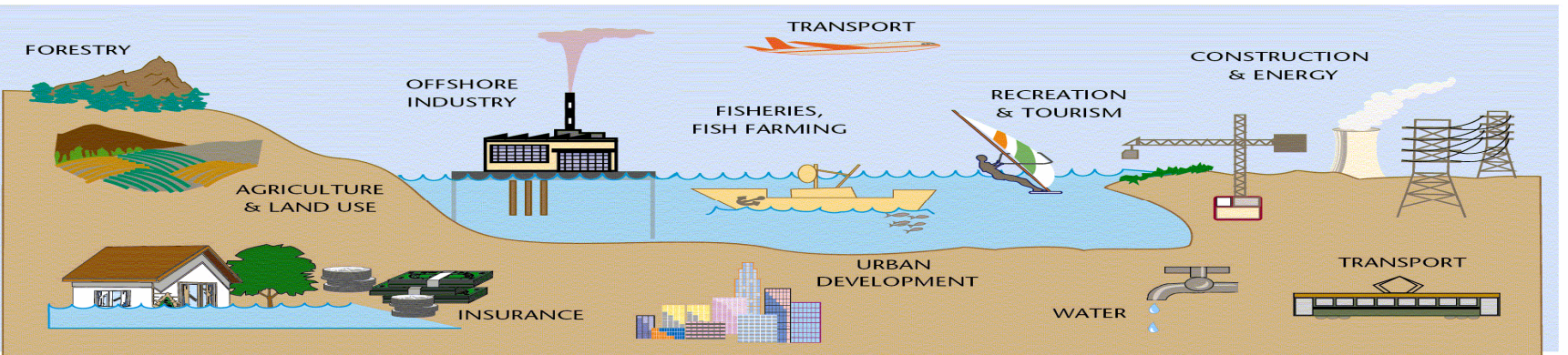
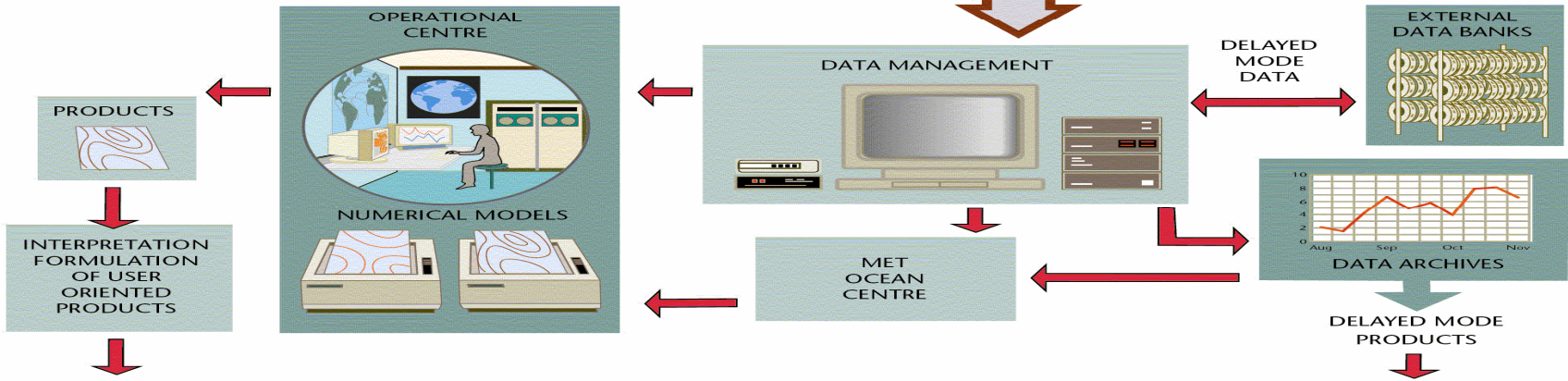
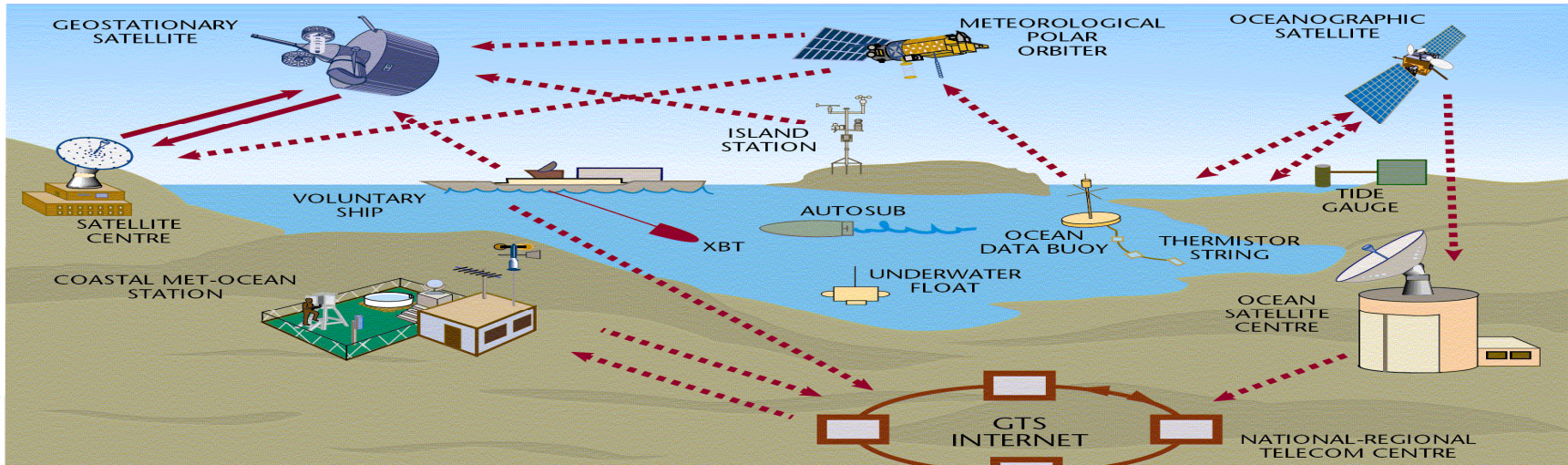




**Capacity Building
is part of
International
Cooperation**



OPERATIONAL OCEANOGRAPHY





**We need data and
knowledge**



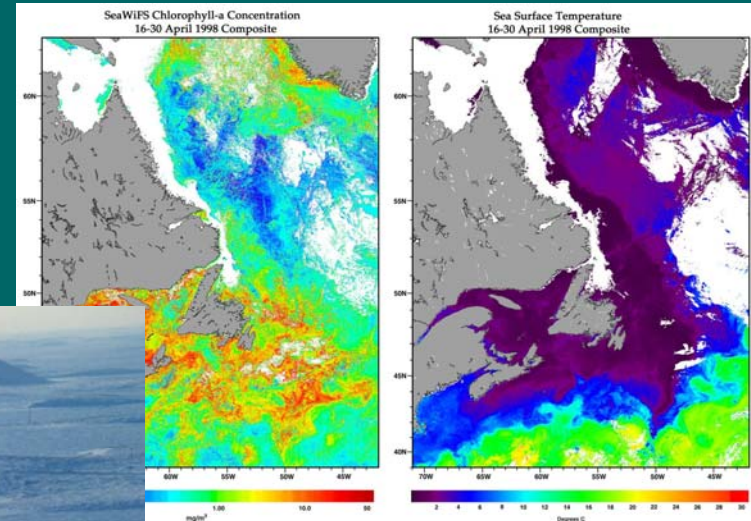
UNITED NATIONS...

...NATIONS UNITED

Gaining timely information
Developing technology

Accessibility

Sharing costs



Avoiding duplication

Reducing bureaucracy

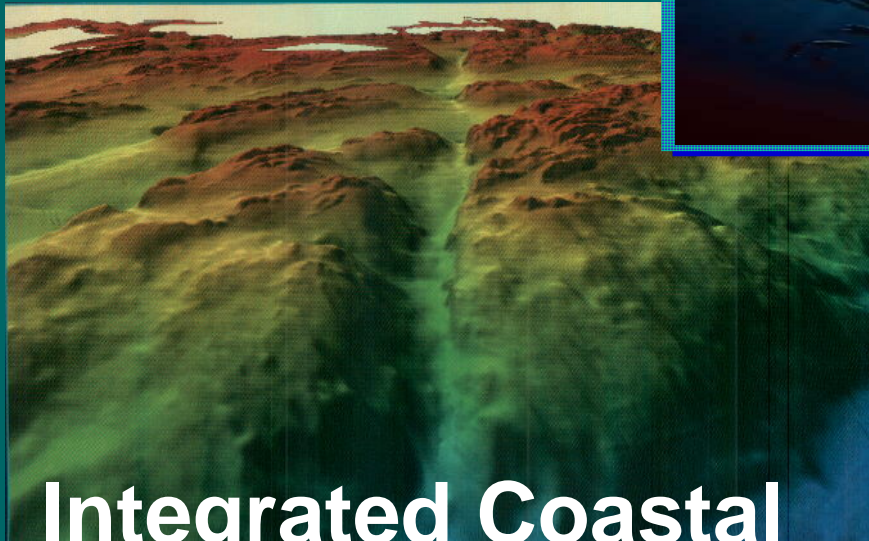
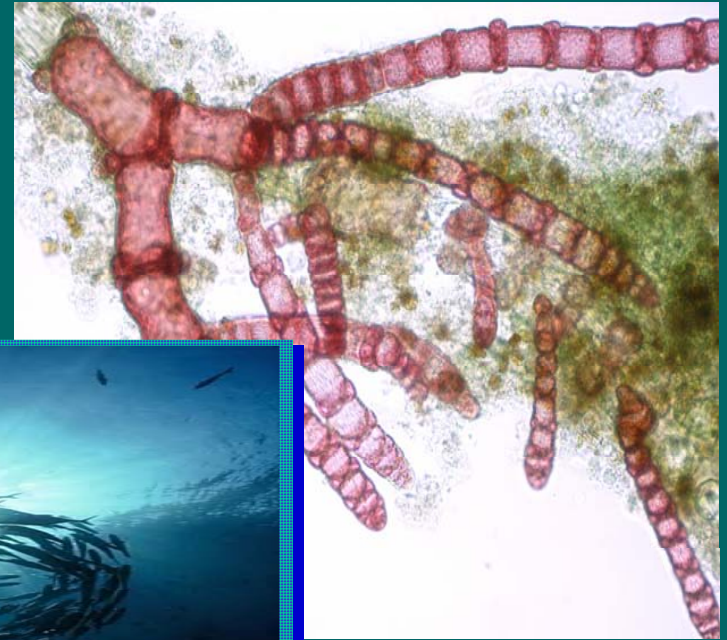
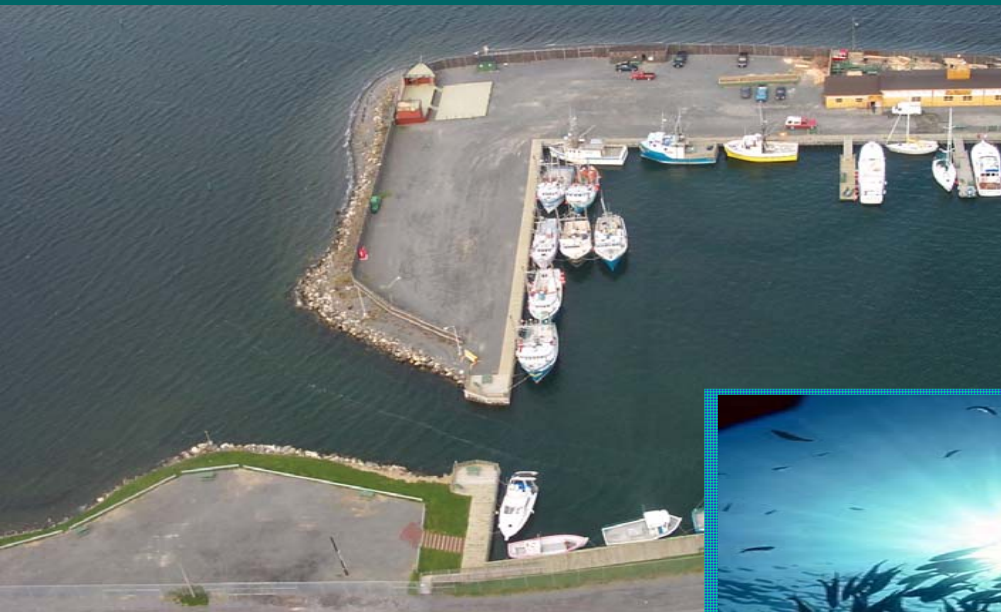
Progressing knowledge

Peer review





World Summit on Sustainable Development



Integrated Coastal Area Management

Our Environment is Sculpted to Fit Human Needs...

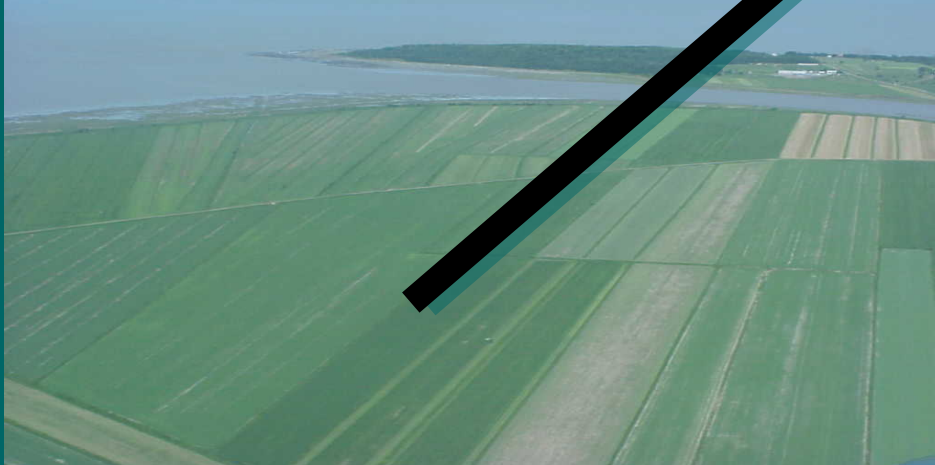


Sustainable Development



Coastal Management Programs





**Pollution Sources
may be distant**



Sea of Troubles

GESAMP Report: State of the Marine Environment Series

The Global Program of Action



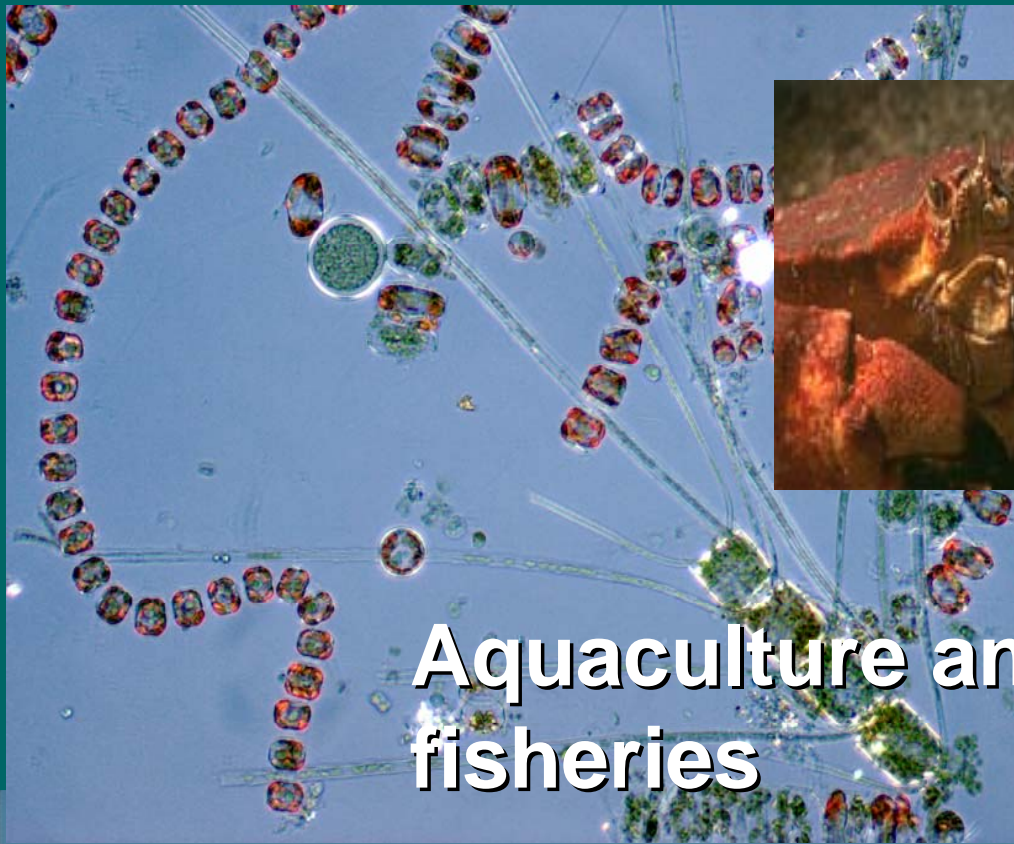
Pollution has many faces



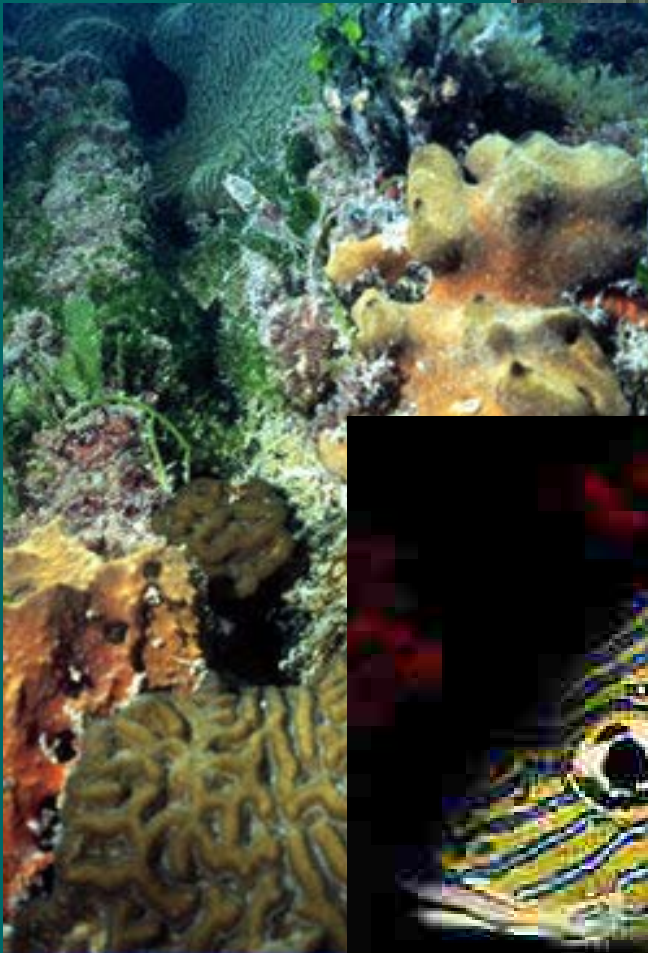
Sustainable Use of Marine Living Resources



Aquaculture and inshore fisheries

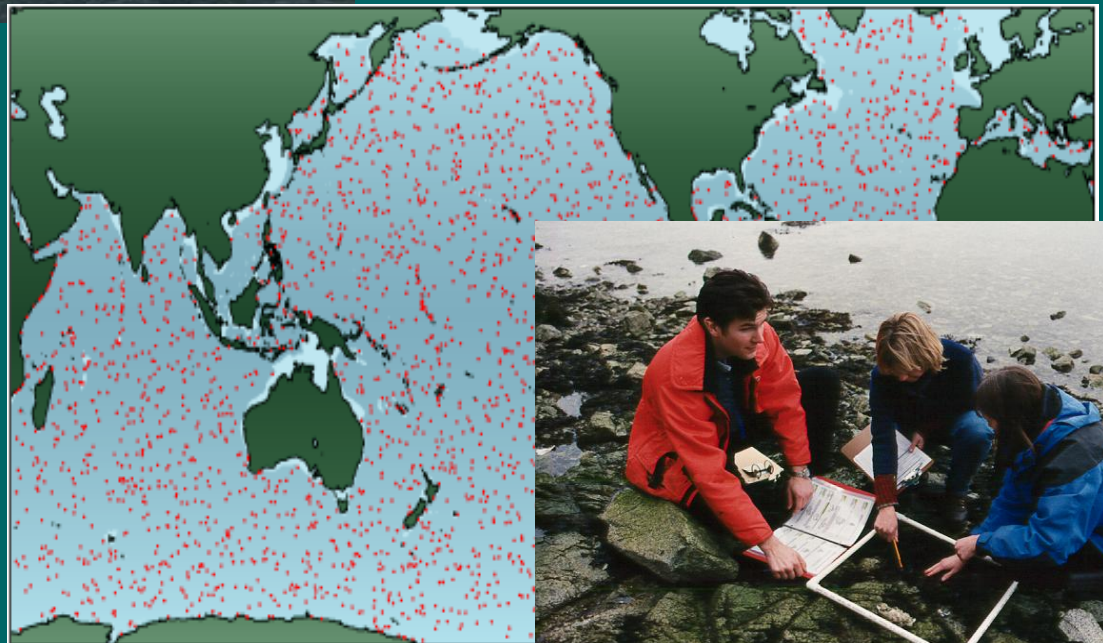
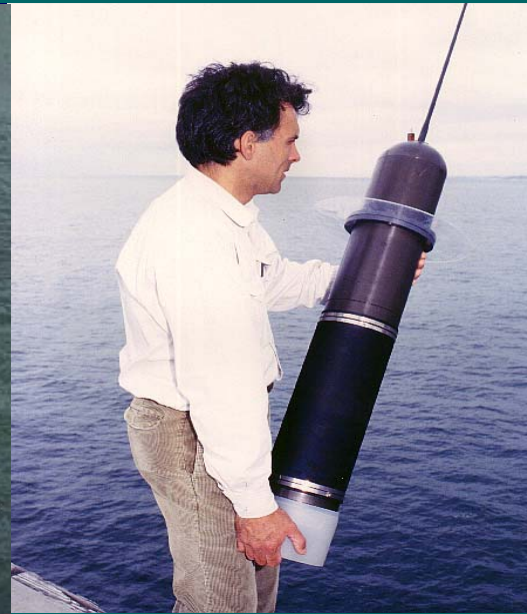


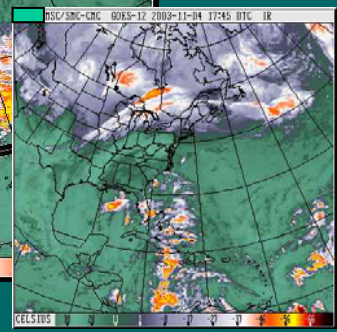
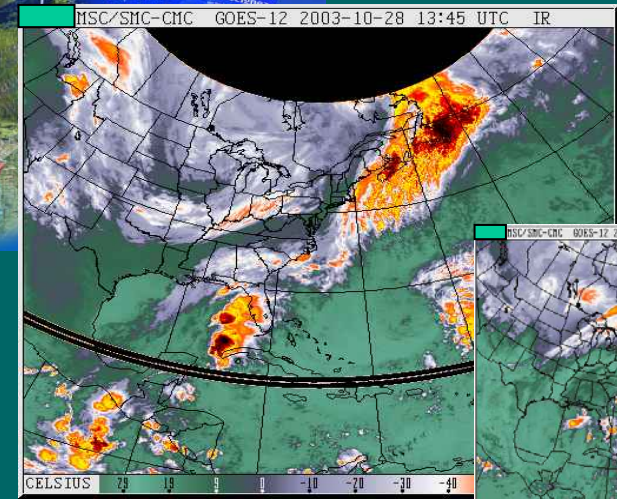
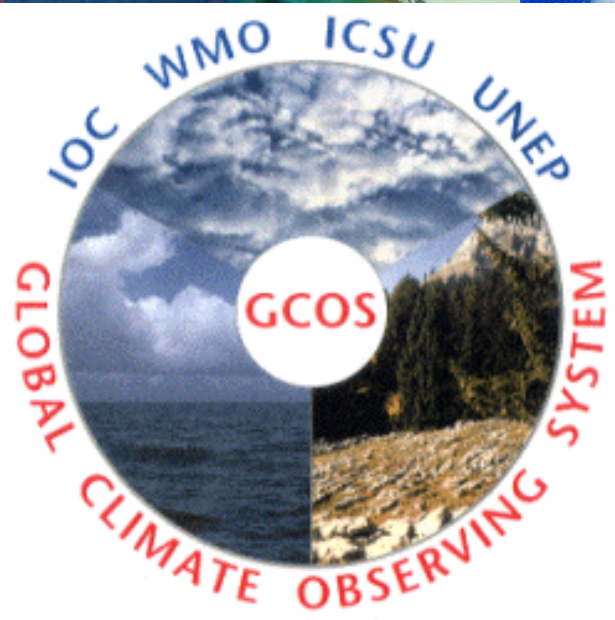
CORAL REEFS



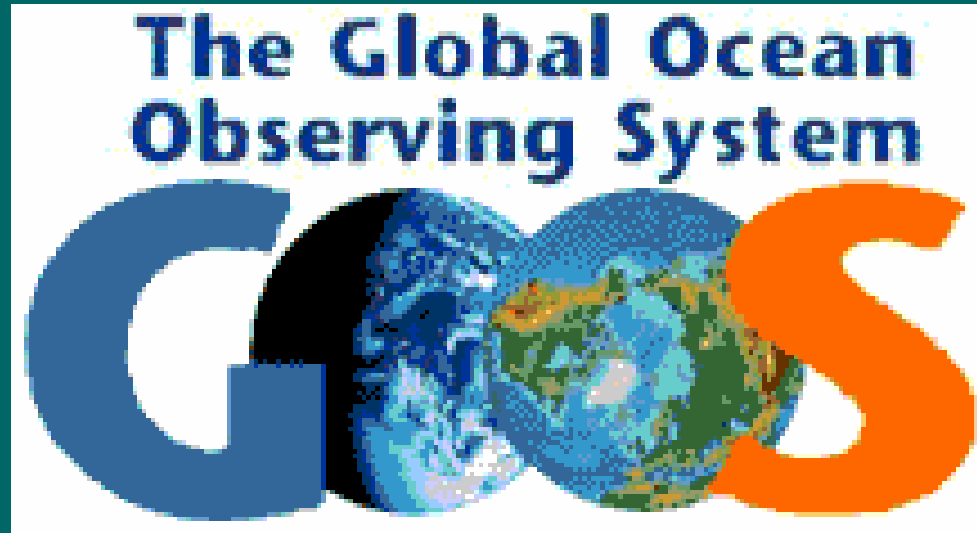
**BEAUTIFUL,
VULNERABLE,
FRAGILE HABITATS,
AT RISK.**

Data Collection is vital



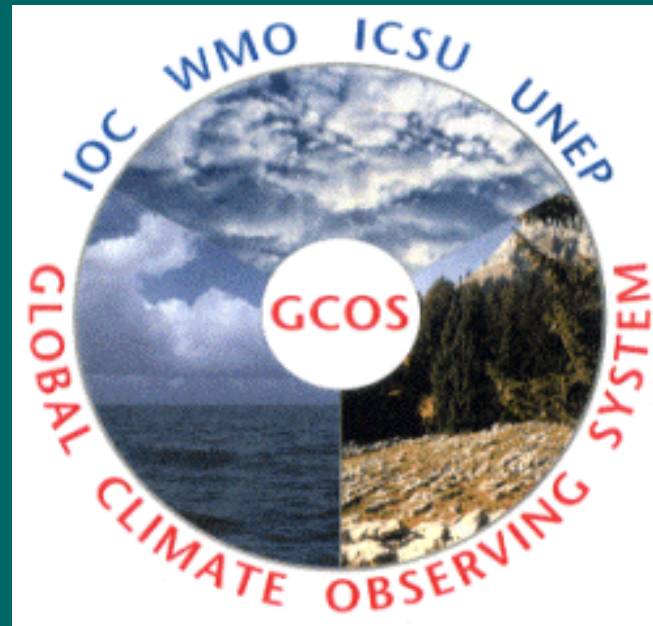
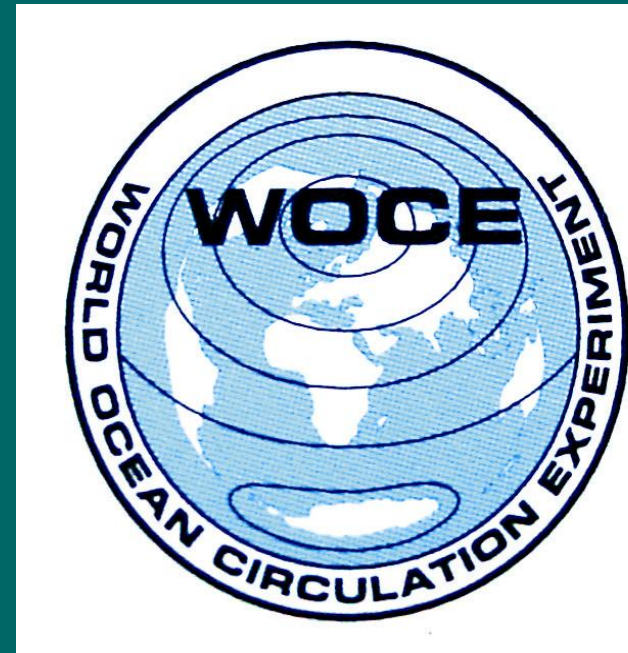
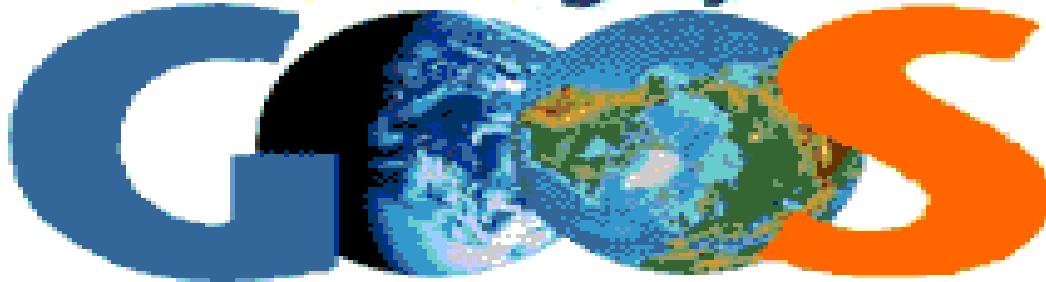


All benefit from sharing data



**An IOC Flagship
Program**

The Global Ocean Observing System



Partnerships are essential

Profiling Autonomous Floats

These are
oceanic analogues
to radiosondes
used in operational
meteorology

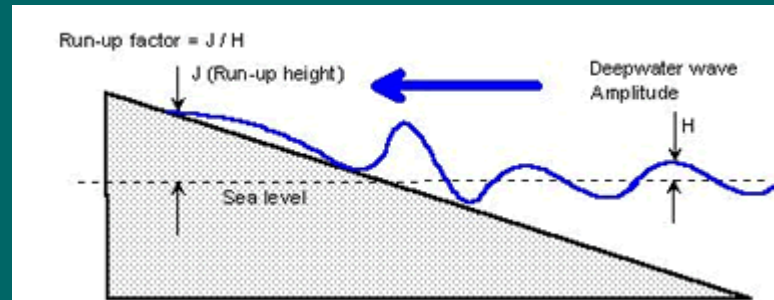


Intergovernmental Oceanographic Commission



The ARGO Program

Tsunami Warning Networks

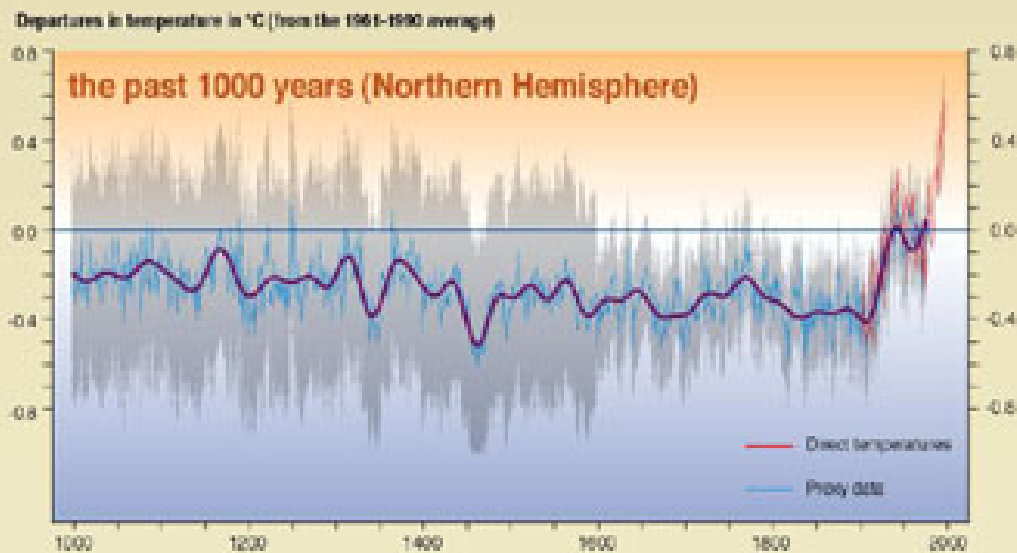
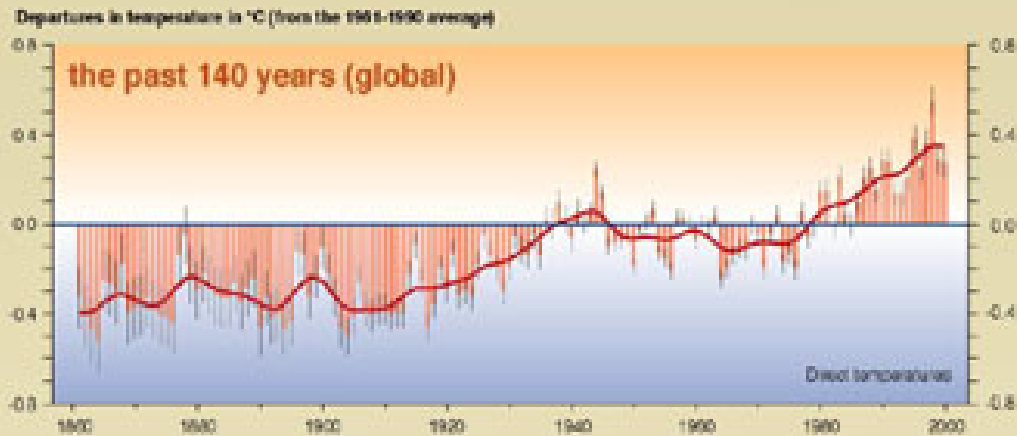


Data Management



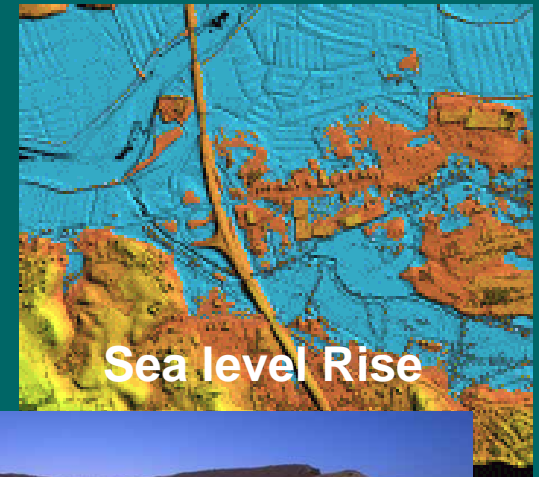
Climate Change

Variations of the Earth's surface temperature for...



SYR - FIGURE 2-3

Climate Change



Sea level Rise



Global Warming

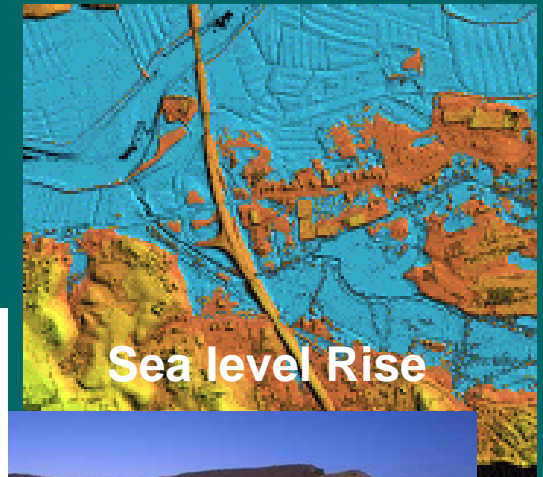


Melting polar ice



Extreme events

Climate Change



Sea level Rise



Global Warming



Melting polar ice



Extreme events



Climate Change and Weather Prediction

Ocean Economic Forces



Shipping Impacts



Coastal Developments

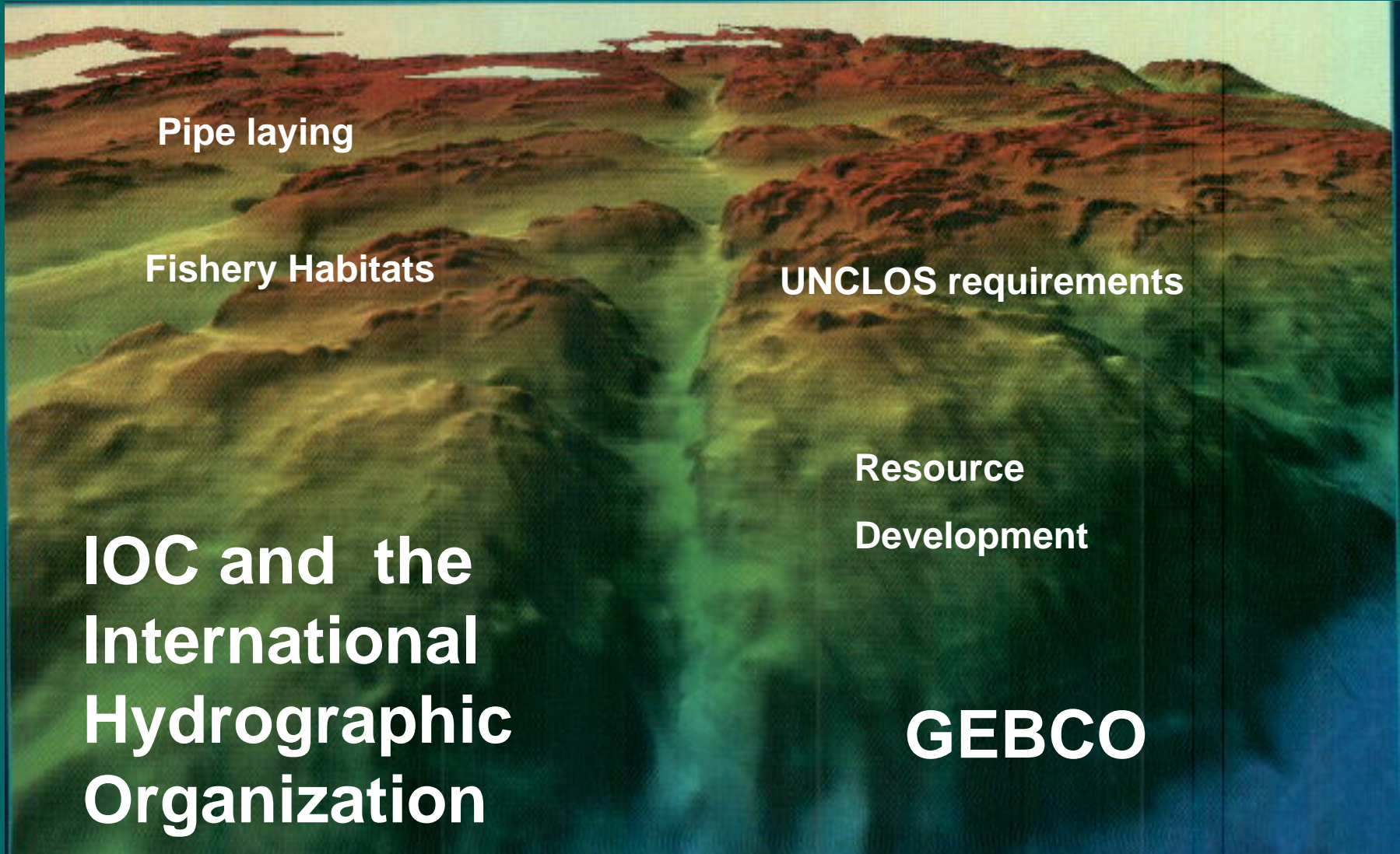


OIL AND GAS

The world is likely to continue its dependence on oil and gas for many years to come....



Sea Floor Mapping



Tourism



New Ocean Industries



Innovation

“...the role of international cooperation is to support and supplement national efforts.....”

.....requires effective institutional arrangements.....”

Agenda 21 (21:17.115)



**INTERGOVERNMENTAL
OCEANOGRAPHIC
COMMISSION**

IOC Regional Bodies

Partnerships and Global Agreements

Action at the UN General Assembly

Governmental commitment



INTERGOVERNMENTAL OCEANOGRAPHIC COMMISSION



The purpose of the Commission is to promote international cooperation and to coordinate programs in research, services and capacity building, in order to learn more about the nature and resources of the ocean and to apply that knowledge for the improvement of management, sustainable development, the protection of the marine environment and the decision-making processes of its Member States.

Conclusions

We must exercise wise stewardship

Governments must commit

People need to understand

Conclusions Cont.

Better coordination amongst UN Agencies

Governmental responsibility

Coordinated and effective monitoring

Review of existing regional and
international agreements

An International Convention on Ocean
Sciences and Services?

Conclusions Cont.

“The need to address the growing imbalance between the have and the have-not countries is fundamental to a sustainable future for the world community on two major fronts. Firstly, there can be no hope of achieving and preserving a peaceful future unless there is a better balance of quality and dignity of life than we have at present. Secondly, there is no way that the present critical environmental issues can be addressed unless all governments are able to cooperate in joint solutions.....”

**IOC/GOOS Capacity Building
Document**

Thank you

