



Wider Caribbean Region

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

Data Resources and Methodologies for Assessments

Dr. Cesar Toro

**A Regular Process for Global Reporting and Assessment of the State of
the Marine Environment, including Socio-economic Aspects
(Regular Process)
(Miami, USA, 13-15 November, 2012)**

- *Assessments of the Marine Environment in the Wider Caribbean Region* - Elva Escobar, Mexico
- *Maritime Safety Information and Meteo-Ocean Data* - Edgard Cabrera, UN World Meteorological Organization
- *Ocean Biogeographic Information System. (Demonstration)* Mrs. Patricia Miloslavich , Venezuela
- *Harmonized Observations and Data Products* – David Halpern, United States
- *Open Discussion*



Chapter 2.

Mandate, information sources and method of work

2A. Objectives, scope and mandate of the Regular Process, as agreed by the General Assembly.

2B. Explanation of the rationale for the Regular Process, and the need to ensure regular assessments of the marine environment, including socio-economic aspects (including an explanation of what is new in the First Global Integrated Marine Assessment).

2C. General issues relating to the collection of environmental, economic and social data relating to the oceans and seas and human uses of them, including national, regional and global aggregation and analysis of information and data, quality assurance of data, and access to information.

2D. Description of the procedures agreed for carrying out the First Global Integrated Marine Assessment, and the way in which these procedures have been implemented, including the **approach to the science/policy interface**, the selection of contributors, the choices made on the establishment of baselines, the description and categorizing of uncertainties and the quality assurance of data.

Table 1: Key socio-economic indicators for the CARICOM countries, 2008

	Population 2008 (thousands)	HDI ranking 2007	GDP per capita (PPP\$) 2008	GDP annual growth 2007 (%)	GDP annual growth 2008 (%)	Public expenditure on education (% GDP) 2008	Public expenditure on tertiary education (% of all levels, 2008)	GERD/ GDP ratio 2007
Antigua and Barbuda	87 *	47 ↑	20 970	10.0	2.5	3.9 ⁻⁶	6.7 ⁻⁶	–
Bahamas	338	52 ↓	–	2.8	2.8 ⁻¹	–	–	–
Barbados 255		37 ↓	19 189	-2.1 ⁻⁵	-2.1 ⁻⁵	6.7	30.1	–
Belize	301	93 ↓	6 743	1.2	3.8	5.1 ⁻¹	0.7 ⁻¹	–
Dominica	67 *	73 ↓	8 706	3.4	4.3	4.8	–	–
Grenada	104	74	8 882	3.6	2.1	5.2 ⁻⁵	9.8 ⁻⁵	–
Guyana	763	114	3 064	5.4	3.0	6.1 ⁻¹	5.9 ⁻¹	–
Haiti	9 876	149	1 124	3.4	1.3	–	–	–
Jamaica	2 708	100 ↓	7 716	1.4	-1.3	6.2	15.7	0.06 ⁻⁵
Montserrat	5 ^{**} -1	–	–	–	–	3.3 ⁻⁴	–	–
St Kitts and Nevis	51*	62 ↓	16 467	4.0	8.2	9.3 ⁻³	– ⁻⁶	–
St Lucia	170	69 ↓	9 836	0.8	0.5	6.3	–	0.36 ⁻⁸
St Vincent and Grenadines	109	91 ↑	8 998	7.7	-1.1	7.0 ⁻¹	5.4 ⁺¹	0.15 ⁻⁵
Suriname	515	97 ↓	7 401	5.2	5.1	–	–	–
Trinidad and Tobago	1 333	64 ↓	25 173	5.5	3.5	4.2 ^{**} -6	–	0.06

-n = data refer to n years before reference year ↑↓ = change since previous evaluation * national estimation ** Unesco Institute for Statistics estimation

CLIMATE CHANGE BUILDING

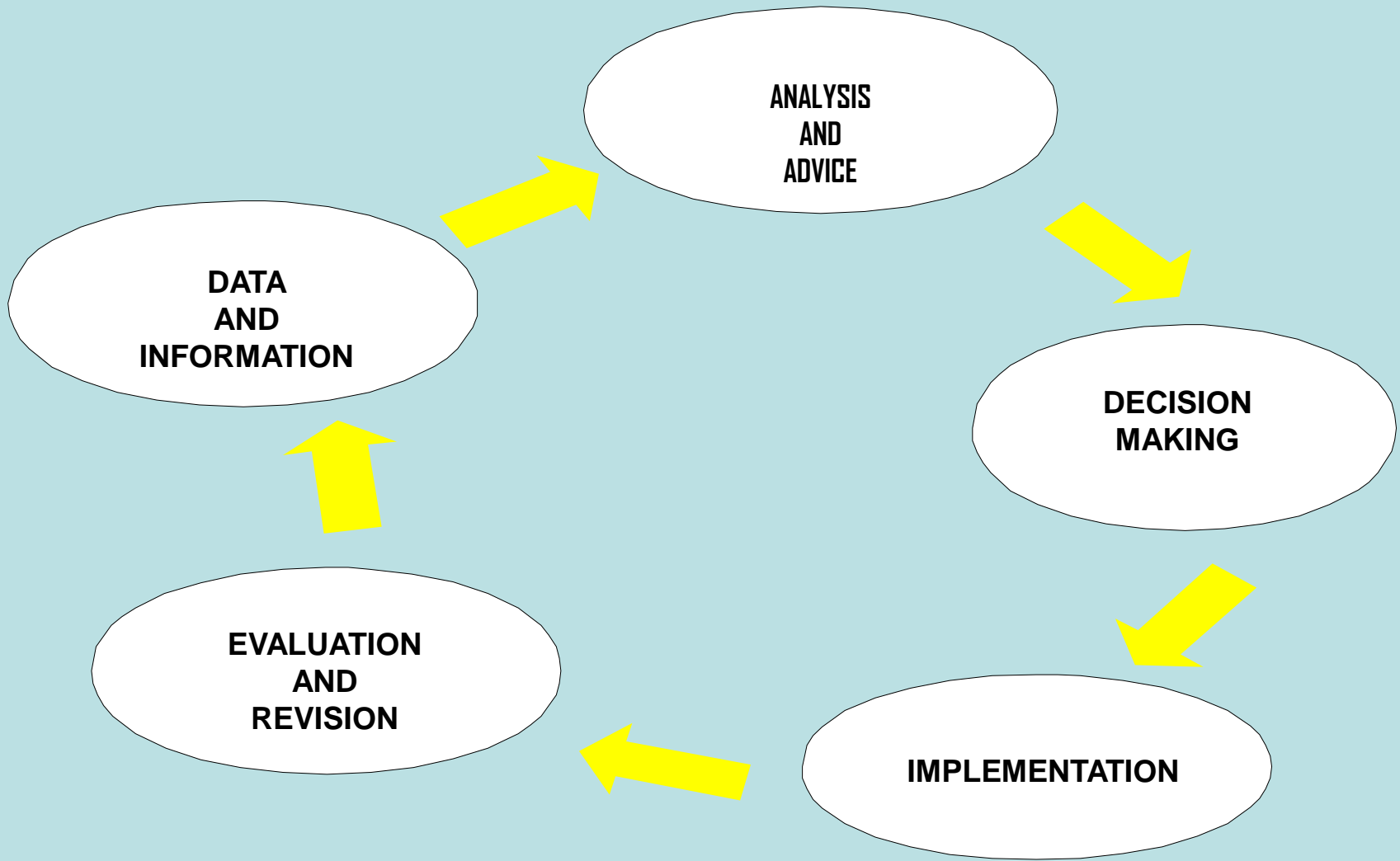
UNDER CONSTRUCTION



This drawing illustrates Diplo's approach to training and research on climate change.

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The Policy Cycle





https://docs.google.com/spreadsheet/pub?key=tjr0aoem_Z7hy0aUn6



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Get directions

My places



IOCARIBE Region Institutions

Created with Spreadsheet Mapper v3.0

- Academia de Ciencias de Cuba
- ACS
- Acuario Nacional Cuba
- AGRRRA
- Antigua & Barbuda Ministry of Agriculture, Lands and the Environment
- Aquatic Commons (hosted by IODE)
- Argos
- Avano
- AVHRR - NOAA
- Bellairs Research Institute
- BIOS
- Birdlife International
- Brazilian Navy Hydrographic Centre



Done

Internet | Protected Mode: On

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TRANSBOUNDARY WATER ASSESSMENT PROGRAMME

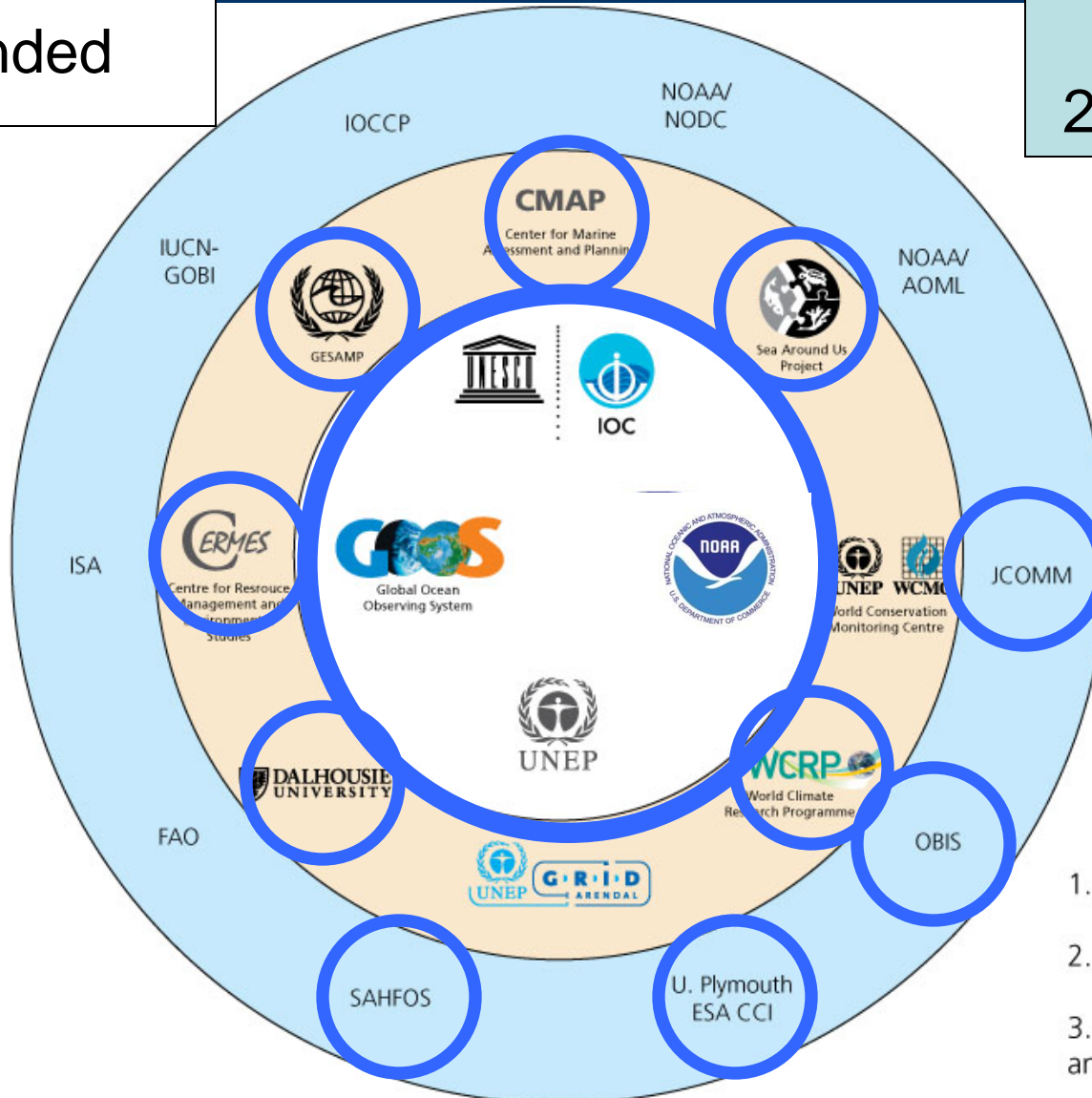
- **Standard set of indicators and methodology** (developed under preliminary phase, published by UNEP in 2011) based on global datasets, modeling
- **Global comparative baseline** assessment of 64 LMEs, and open ocean areas based on:
 - Productivity indicators
 - Fish/fisheries (eg: stock status, annual landing, fishing effort)
 - Pollution (eg: nutrients, mercury, micro-plastics...)
 - Ecosystem health (eg. reef at risk, cumulative human impacts..)
 - Socio economic (eg. % GDP fisheries, coastal population <10 m elevation...)
 - Governance (eg. LME governance architecture..)
- Establishment of **technical framework for periodic assessment**:
 - Consortium of partners
 - Link with existing projects, programmes & assessments (LME projects, UN Regular Process, etc)



TRANSBOUNDARY WATER ASSESSMENT PROGRAMME

GEF funded

2 years
2013-2014



1. Core partners
2. Thematic partners
3. Providers of data and expertise





IOCARIBE

INTERGOVERNEMENTAL OCEANOGRAPHIC COMMISSION

Sub-Commission for the Caribbean

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