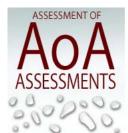




### Call for the Regular Process

- WSSD 2002 to "establish by 2004 a Regular Process under the United Nations for global reporting and assessment of the state of the marine environment, including socio-economic aspects, both current and foreseeable, building on existing regional assessments".
- This was endorsed at the United Nations General Assembly (UNGA) later in 2002 (resolution 57/141).
- The Ad-hoc Steering Group and then Group of Experts were established by UNGA Resolution 60/30 – fall 2006.
- Work of the Group of Experts commenced in 2007





# Why is a Regular Process Needed? Oceans are under increasing stress:

- 80% of commercial fish stocks are fully or overexploited
- Pollution by contaminants, nutrients and sediments is widespread
- Critical habitats are being damaged, esp coastal
- Climate change causing temperature increases to 3000 m, with many consequences
- Invasive species increasing major changes to some systems





### Types of indicators considered

- Process indicators, to assess the progress of certain administrative and organizational processes;
- Pressure or stress indicators, to evaluate impacts and possible changes thereof;
- Status indicators, to determine the actual state of environment and ecosystems.
- Socio-economic indicators







### The Caribbean Large Marine Ecosystem

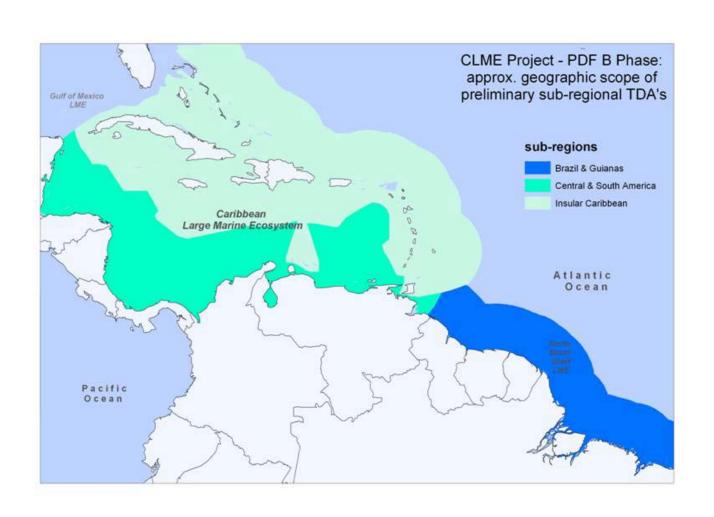


Table 1. Countries and territories of the CLME

Independent countries Countries and territories

Antigua & Barbuda **UK**:

Bahamas Anguilla

Barbados British Virgin Islands

Belize Cayman Islands

Brazil Montserrat

Colombia Turks & Caicos

Costa Rica

Cuba USA:

Dominica Puerto Rico

Dominican Republic USVI

Grenada

Guatemala France:

Guyana Guadeloupe and St. Bart

Haiti Martinique Honduras St. Martin

Jamaica French Guiana

Mexico

Nicaragua

Panama Netherlands:

St. Kitts Nevis Aruba

St. Lucia Curacao

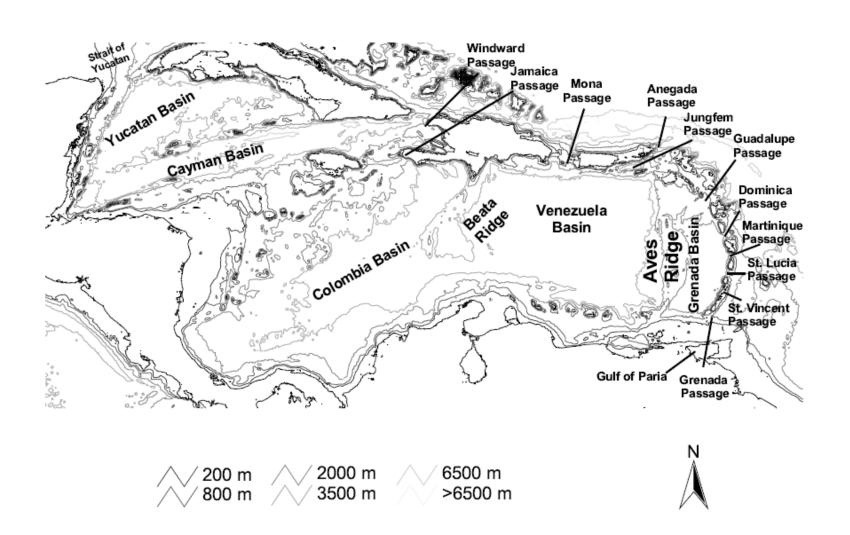
St. Vincent & the Grenadines Bonaire

Suriname St. Eustatius

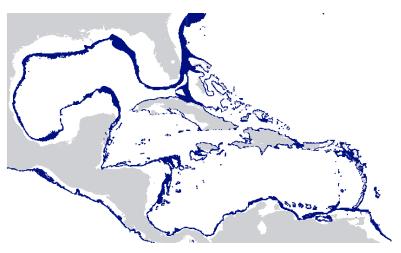
Trinidad & Tobago Saba

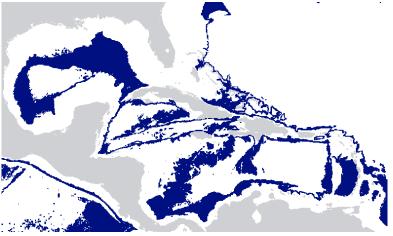
Venezuela St. Maarten

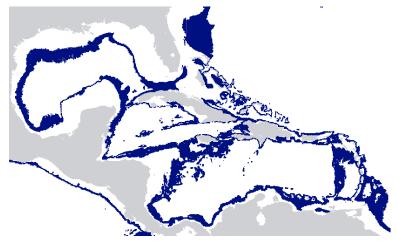
### Bathymetry & geological setting



## Connectivity of the habitats with depth

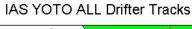


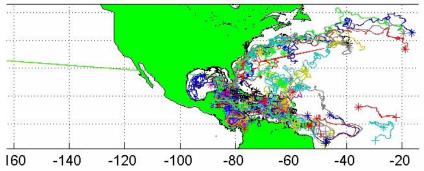


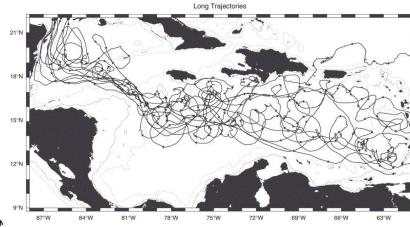


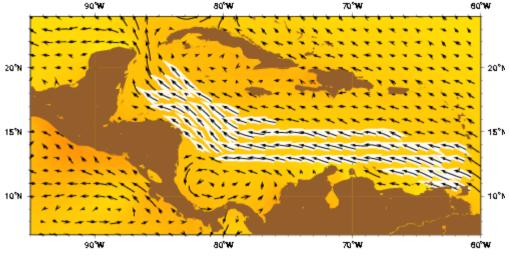


## Circulation

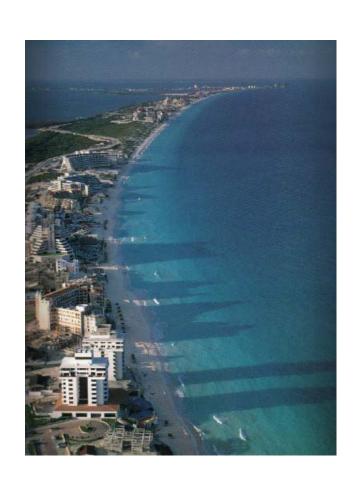






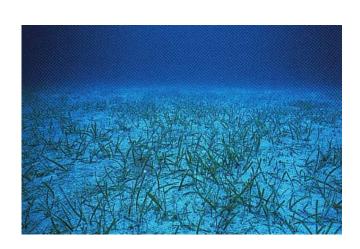


### The coastal ocean





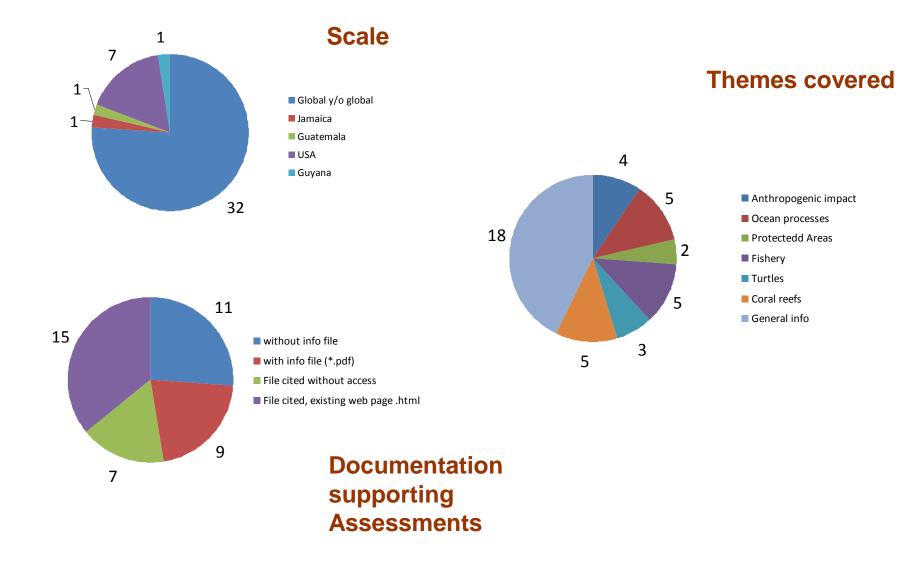
# Institutions that contribute to assessment work in the region





- Research Institutions & Universities
- Regional IGOs
  - ACS, CAST, CEHI, CIMH, Caribbean Tourism Association, CARICOM CRFM, OECS, OLDEPESCA & OSPESCA
- International IGOs
  - ICCAT
- UN organizations with regional bodies
  - WECAFC of FAO, UNEP Caribbean Environmental Programme, IOCARIBE of IOC-UNESCO, UN Economic Commission for Latin America & UNECLAC, UNDP, UNEP for Latin America, Caribbean GEO, GEF
- International NGOs
  - WWF, TNC, WRI, IUCN, Census of Marine Life,
- Regional organizations
  - WIDECAST, GCFI

## Assessments presented in 2009



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### 2009 Assessment Gaps

### Strategy followed

### **Template**

### REGION:

### NAME OF THE ASSESSMENT:

### **Check-List of Questions**

### INSTITUTIONAL ARRANGEMENTS

- What organisation carried out the assessment?
- Was the assessment a result of an initiative by the body carrying it out? If not, what body took the initiative that resulted in the assessment?

### ORIENTATION

- 3 What is the context and purpose of the assessment?
- 4 Were there explicit objectives for the assessment? If so, what are they?
- 5 What is the relation of the assessment to the cycle of determining the problems, adopting measures and evaluating progress?

### COVERAGE AND SOURCES

- 6 What area does the assessment cover?
- 7 What were the reasons for selecting the area covered?
- 8 What period of time does the assessment cover?
- How often will assessments of this kind be produced?
- 10 What aspects of the marine ecosystem are covered by the assessment?
- 11 What aspects of human activities and pressures that impact on the marine environment are covered by the assessment?
- 12 On what information is the assessment based?
- 13 Where environmental, economic or social data were used, what arrangements were made for subsequent access to this data by the public or by experts?
- 14 Where environmental, economic or social data were used, are metadata available on these data series?

### PROCES

- 5 How did the assessment control is the quality of the data used in it?
- 16 Were models of aspects of the marine environment developed and used in the assessment?
- 17 Did the assessment use any form of indicators?

### Check-List of Questions

- 18 If the assessment was based (wholly or partly) on traditional knowledge, what practices were used to control its quality?
- 19 If the assessment was based (wholly or partly) on expert opinion, what practices were used to control its quality?
- 20 Was any particular conceptual framework used to organise the
- 21 How were decisions made on which scientific specialisms should be involved, and how these scientific specialisms should be brought in?
- 22 How was interaction organised during the assessment process between scientific, economic and social disciplines and policy makers?
- 23 How were non-official stakeholders enabled to participate in the assessment?
- 24 Did differences of opinion arise over the conclusions of the assessment? If so, how were these resolved?
- 25 Was there a peer review of the assessment during the assessment process, and/or before the final text was published?
- Were any specific arrangements made to link the assessment with other contemporary international or national processes?
- 27 Were specific efforts made to strengthen institutional, scientific or technical capacity for the assessment?

### COMMUNICATIONS

- 28 In what form was the output of the assessment presented?
- 29 In which languages is the assessment available?
- 30 How were the results of the assessment made public?

### CONTENT ON FUTURE ACTIONS

- 31 Did the assessment rank the severity of problems or otherwise identify priorities for future action?
- 32 Did the assessment evaluate options for future policy, and their likely outcomes?
- 33 Did the assessment indicate gaps in the information needed for it?
- 34 Did the assessment indicate gaps in the scientific understanding of the relevant processes that need to be addressed in order to improve the assessment?

### REVIEW

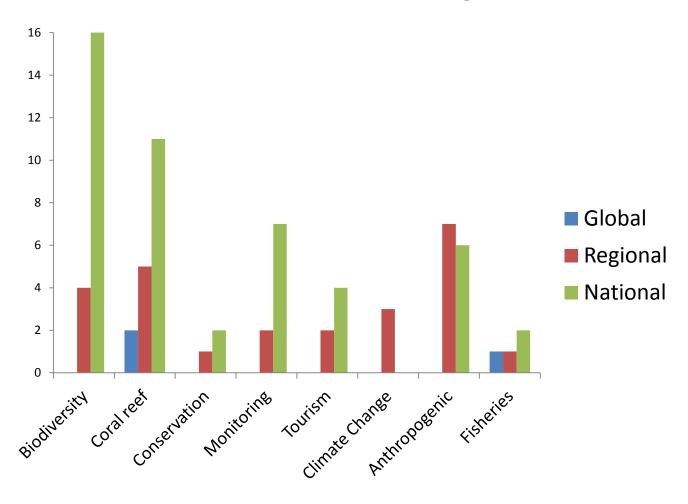
35 Was there a review of the assessment process in order to draw lessons for future assessments?

### Check-List of Questions

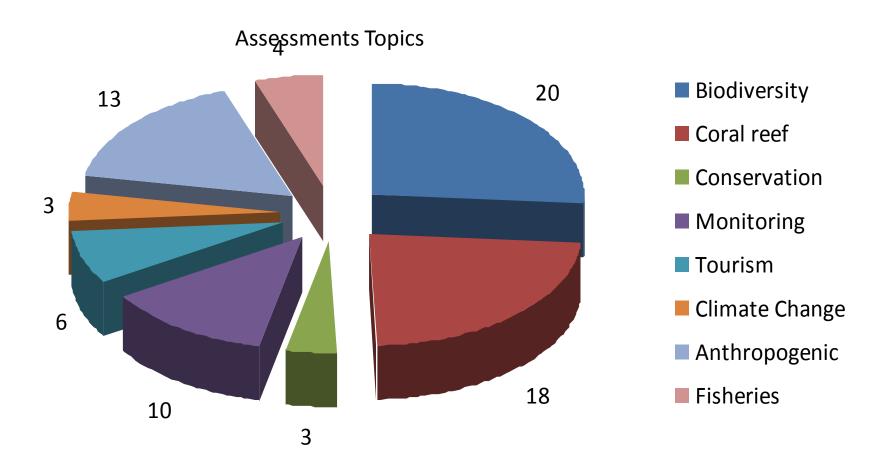
### **EXPERT EVALUATION**

- 36 Is the published assessment easy to understand and accessible to non-specialist readers?
- 37 To what extent does the assessment give confidence that it provides sound conclusions that apply to the whole of the area covered?
- 38 Does the assessment appear to have been timely in relation to policy development and the adoption of measures?
- 39 Are there any particular strengths or weaknesses in the assessment that are relevant to the Assessment of Assessments?
- 40 Does the assessment appear to have been influential in policy making and the adoption of measures?

# The Caribbean LME 2012 Assessments Scales coverage



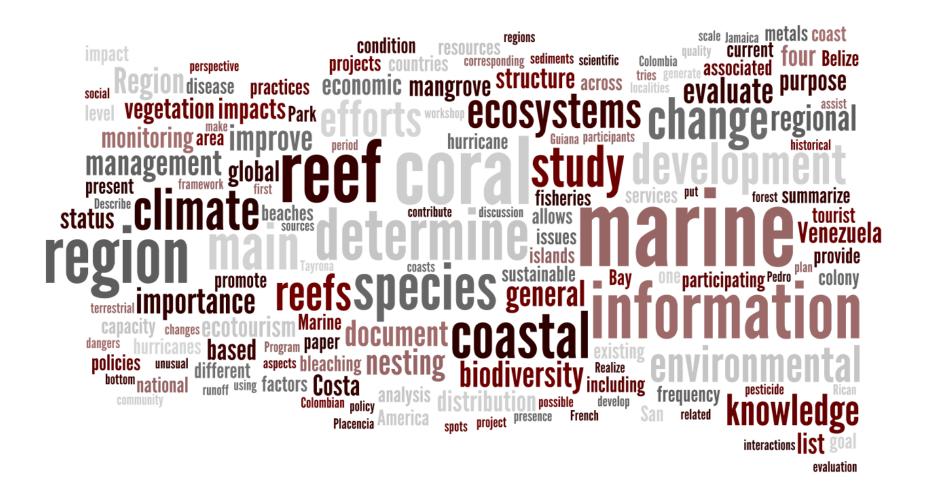
## Topic coverage



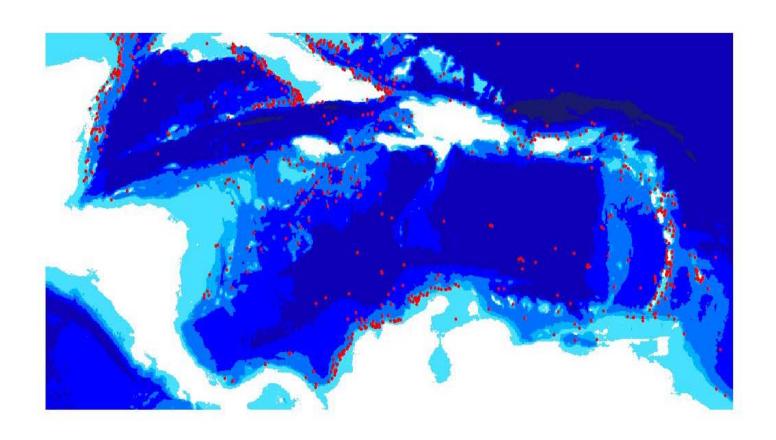
### The Caribbean 2012 assessments



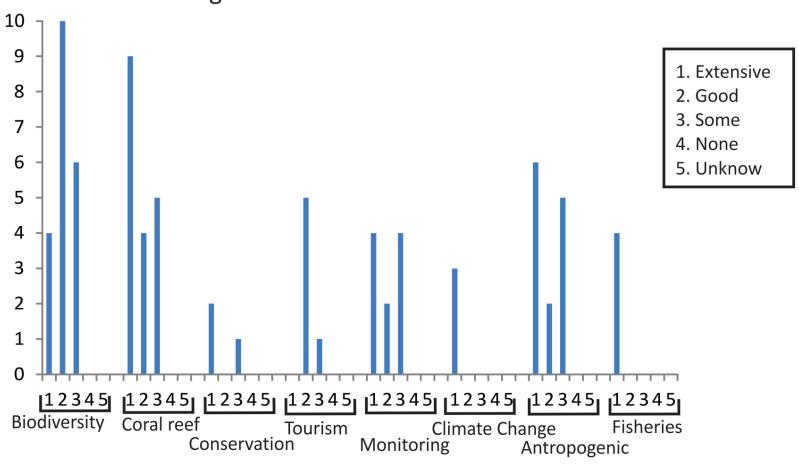
### Objectives for the Assessments



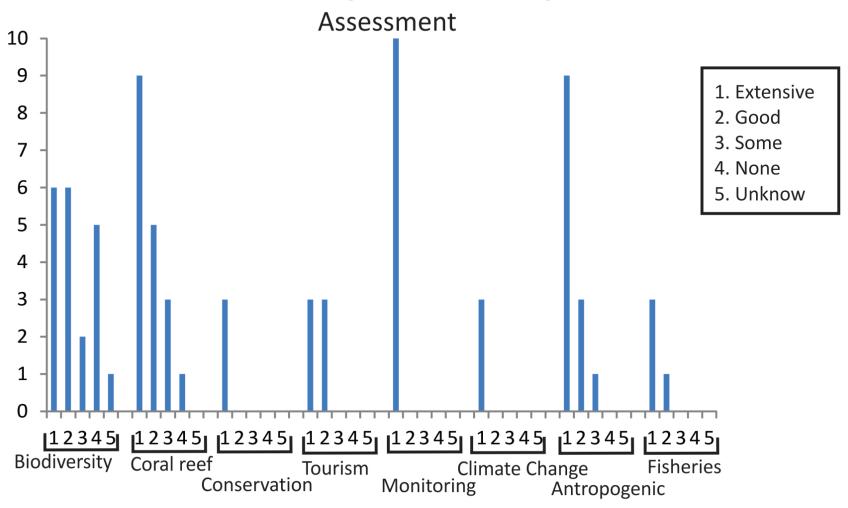
Example:
Sampling effort and current knowledge of deep sea biodiversity in the CLME



### Regional Marine Assessment



### Factors Affecting Influence of Regional



### Major gaps

- The Assessments of the less developed countries
- The economical, social, linguistic, and cultural diversity in the region
- The Socio-economic assessments and offshore and deep sea themes
- The effect of watershed in coastal ocean
- Stronger link to managers and policy-makers