



Ecosystem Resilience

Valuing Direct & Indirect Benefits




Is Grenada committed to:


Safeguard Human Health?

Ensure Food Security?


Generate Jobs?



**In August, 1987
Grenada signed the
Cartagena Convention &
committed to.....**



**The Protection and
Sustainable Development of
the Caribbean Sea**




Ships



Land Based



Dumping

CARTAGENA CONVENTION



Biodiversity



Air




Sea-Bed




**Assessment and
Management of
Environmental Pollution
Cartagena
Convention**

Adopted in 1983
Entry into force 1986



**Pollution from
Oil Spills**

Adopted in 1983
Entry into force in 1986




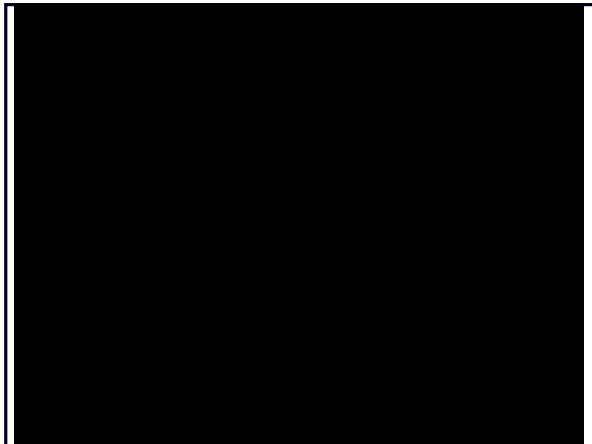
**Specially Protected
Areas & Wildlife
(SPA)**

Adopted in 1990
Entry into force in 2000

**Land Based Sources
of Pollution (LBS)**

Adopted in 1999





What's the problem?

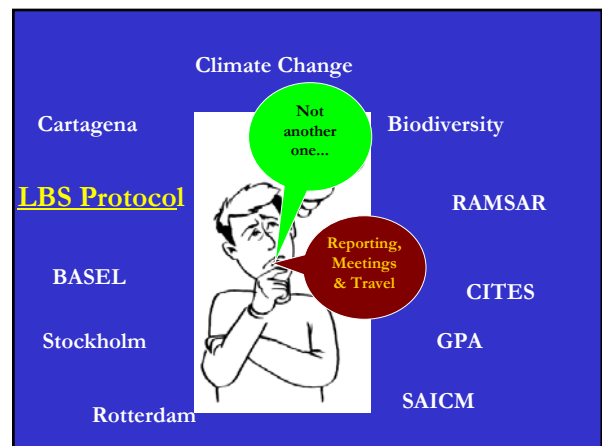
- No money;
- Not enough staff;
- Low national priority – lack of interest;

Why are these of concern?

- Lack of understanding of the protocol: costs, benefits & relevance;
- Fear of not being able to meet all the obligations;
- Lack of support from all sectors – no national “champion”;

How would the Government of Grenada Ratify/Accede to the LBS Protocol?

- **Prepare Justification:**
 - Background to the LBS Protocol
 - Input of all stakeholders
 - Policy, Institutional & Legal Implications
 - Financial Implications
 - Benefits – Short, Medium & Long-Term
 - Extent to which obligations already met
- **Obtain Legal opinion;**
- **Seek Cabinet approval;**
- **Deposit of instruments of accession;**



What are the Objectives of the LBS Protocol?


- **Reduce pollution through establishment of effluent and emission limitations and/or best management practices**
- **Exchange information on land-based pollution through cooperation in monitoring and research**







- **General Obligations**
 - National Planning including use of EIAs
 - Integrated Coastal Zone & Watershed Management
 - Environmental Monitoring & Assessment
- **Specific Obligations for Major Pollutants**
 - Effluent and Emissions limitations, Time Tables for implementation, & Classification of Recreational Waters
 - Best Management Practices
 - Most Appropriate Technologies







- **Annex I:** Activities & pollutants of concern
- **Annex II:** How to determine effluent & emission limits
- **Annex III:** Targets for Wastewater
- **Annex IV:** Targets for Agricultural non-point sources
- **Annex V:?**

80–90% Untreated



The # 1 Source of Direct Pollution of the Marine Environment is Untreated Domestic Wastewater

(Steve Spring)

What did Governments Agree to for Domestic Wastewater? (Annex III)

- **Discharges:**
 - Upgrade Existing & Establish New Treatment Facilities
 - Develop Wastewater Management Plans
 - Regulate New Developments
- **Effluent Quality:**
 - Reduce Nitrogen & Phosphorous
 - Control Chlorine
 - Minimum Standards

The Obligations (that most countries already have in place):

- Environmental Impact Assessments
- Information Sharing & Dissemination
- Public Education & Awareness
- Public Participation
- Reporting

New Technologies

Training & Technical Support

Best Practices

Guidelines & Tool kits

CEP Projects

Pollution Assessments & Monitoring

Best Management Practices for Pollution Reduction (Technology Transfer)

Sewage Needs Assessments

Promotion & Environmental Awareness

Policy & Legislative Reform

Training & Capacity Building

Sustainable Financing

AMEP ACTIVITIES 2008-2009

GEE

- IWCAM
- Red pesticide run-off
- Contaminated bays

THEMATIC AREAS

- National Programmes of Actions
- Env. Assessment and Monitoring
- Sewage and Wastewater Manag.
- Integrated Watershed Management
- Integrated Waste Management

- Millennium Development Goals
 - Mauritius Strategy for SIDS
 - World Summit on Sustainable Development
 - St. George's Declaration for OECS
- Multilateral Environmental Agreements**
- Basel Convention
 - Stockholm Convention
 - Ballast Water Convention

- ## So Why Ratify?
- **Political Commitment**
– *Decision-Making & Priority Setting*
 - **Regional Collaboration**
– *Financial Resources*
 - **National Action**
– *Practical Cost-Effective Solutions*



The Bigger Picture



**In to the Blue
Source of pleasure!
Source of living!
Ours to cherish, wisely use, protect & enjoy!**



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