



# UN Environment on the Sargassum influx in the Wider Caribbean

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**Regional survey and SPAW-RAC Sargassum on-line forum**

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**Dr. Sandrine PIVARD, SPAW-RAC director, also representing  
UN Environment- Secretariat for the Cartagena Convention and Caribbean  
Environment Program**



## Cartagena Convention

Only Legally Binding, Regional Agreement for the Protection and Development of the Marine Environment of the Wider Caribbean Region

The Caribbean Environment Programme (CEP) was formally established by the Governments of the Wider Caribbean Region in 1981 and is now one of the oldest and most successful of the UNEP administered Regional Seas Programmes.

# The Contracting Parties shall take all appropriate measures to prevent, reduce and control:



Article 10

**Specially protected areas and wildlife**



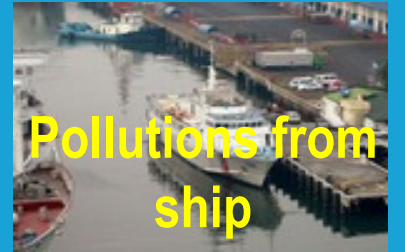
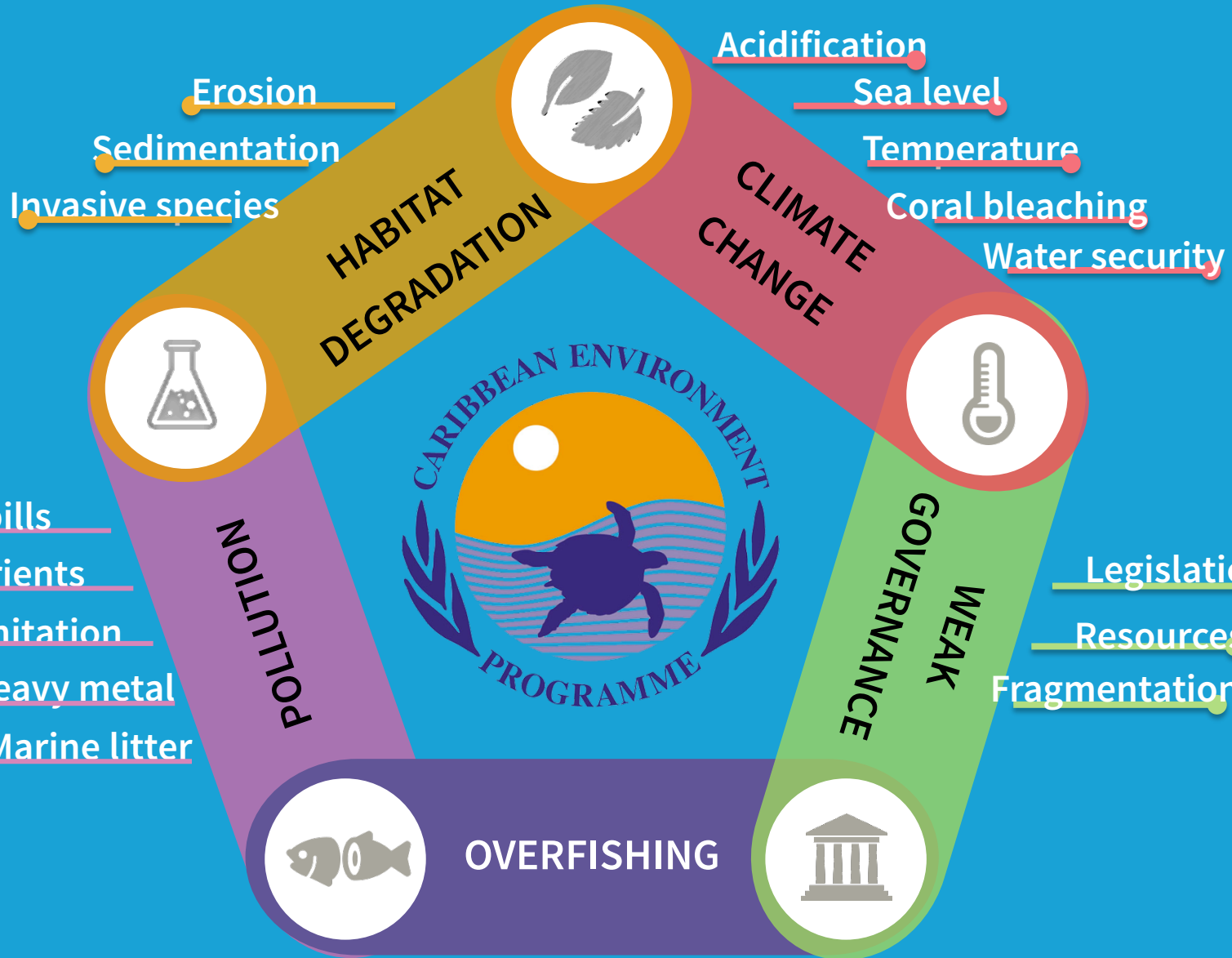
Article 9

**Air pollution**



Article 8

**Pollution from sea bed activities**



Article 5

**Pollutions from ship**



Article 6

**Pollution from dumping**



Article 7

**Pollution from land-based sources**

# ***The Cartagena Convention as a regional agreement addresses several different coastal & marine environmental threats affecting the countries of the Wider Caribbean Region.***

*Adopted in 1983, Entered into force 1986  
28 Parties*

## **Pollution from Oil Spills**



**Adopted in 1983  
Entered into force in 1986  
25 Parties**



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



**Adopted in 1990  
Entered into force in 2000  
16 Parties**



## **Land Based Sources and Activities of Marine Pollution (LBS)**



**Adopted in 1999  
Entered into force in 2010  
13 Parties**



***The three Protocols to the Convention identify additional obligations for the protection and development of the Caribbean Sea and are supported by REGIONAL ACTIVITY CENTRES (RAC)***

**SPAW WORKPLAN** adopted every 2 years by the SPAW Conference of Parties under the recommendations of a Scientific and Technical Advisory Committee



## Establishment and strengthening of MPAs

CaMPAM network and forum.  
ECMMAN project. Ecosystem Based Management- pilot in Dominican Republic

Development of guidelines for the management of MPAs and species



# REGIONAL COOPERATION



Preservation of threatened and endangered species

Preservation and sustainable use of coastal and marine ecosystems



Marine mammals, turtles, migratory birds

Coral reefs (GCRMN, ICRI), mangroves, seagrass  
Ecosystem based management, marine spatial planning,  
invasive species control, sargassum,  
sustainable development projects

# AIRES PROTÉGÉES LISTÉES AU TITRE DU PROTOCOLE SPAW DANS LA GRANDE RÉGION CARAÏBE



- 1 Réserve Marine Hol Chan
- 2 Réserve Marine du Récif de Glover
- 3 Réserve Marine Port Honduras
- 4 Parc National Guanahacabibes
- 5 Sanctuaire de faune et de flore du grand marais de Santa Marta, Magdalena
- 6 Aire Marine Protégée Régionale Seaflower
- 7 Parc Naturel Régional "Zones humides" entre les fleuve León et Suriquí
- 8 Parc National La Caleta
- 9 Parc National Jaragua
- 10 Parc National Los Haitises
- 11 Parc National Sierra de Bahoruco
- 12 Réserve Naturelle Ile du Grande Connétable
- 13 Parc National de Guadeloupe
- 14 Étangs lagunaires de St Martin
- 15 Réserve Nationale Petite-Terre
- 16 Sanctuaire Agoa
- 17 Réserve Etangs des Saline
- 18 Réserve du Versant Nord de la Montagne Pelée
- 19 Parc National Marin Bonaire
- 20 Parc National de St Eustatche
- 21 Parc National Quill et Boven
- 22 Parc National Saba Bank
- 23 Parc National Marin de Saba
- 24 Parc National Marin de St Eustache
- 25 Park Marin Man O War Shoal
- 26 Sanctuaire National Marin Florida Keys
- 27 Parc National Dry Tortugas
- 28 Parc National des Everglades
- 29 Sanctuaire National Marin Flower Garden Banks
- 30 Park Marin Tobago Cays
- 31 Réserve Mollinière-Beauséjour
- 32 Parc National Cayos de San Felipe

Parties Contractantes du Protocole SPAW  
 Aires Marines Protégées -  
 Aires Terrestres Protégées  
 Aire Protégée SPAW



# The contribution of SPAW

- Facilitate regional cooperation and guide national action to protect and sustainably manage ecosystems and species of national and regional concern
- Emphasis on ecosystem-management approach
- Provide guidance to implement provisions of related and broader agreements
- Emphasis on capacity building, awareness, community participation, scientific information
- Developed by and for governments of the region, thus its relevance to regional issues
- Parties benefit from SPAW Subprogramme, with technical and financial assistance provided to Parties to meet the SPAW objectives
- Parties participate in the Scientific and Technical Advisory Committee (STAC)



# The contribution of SPAW

The SPAW-RAC facilitated networking on different topics among countries and followed development and implementation of research projects:

- In November 2016, the SPAW-RAC hosted a technical session on the Sargassum influx at the Gulf Caribbean Fisheries Institute (GCFI) annual meeting
- Transatlantic cooperation with IO (ACS, GCFI, UWI, Abidjan Convention, Sargasso Sea Commission) and UNEP global Programmes → Cohesive Sargassum global response : project development, recommendations on best management practices, information for general public, etc.
- The SPAW-RAC launched an interactive platform of exchanges. This “Sargassum on-line forum” provides easy access information and experiences on management practices and research about the Sargassum influx.



Sargassum : Management & impacts SPAW-RAC



- Categories
- All Messages 78
- Announcements 2
- Communication 0
- Important Updates 0
- Inbox 4
- No Category 72

OVERVIEW MILESTONES MESSAGES FILES NOTEBOOKS LINKS PEOPLE SETTINGS

Messages

78 results

Add a Message Sort By: Date

- Emma D. Update on Sargassum Session at GCFI71 San Andres 15 Nov
- JL Juerg L. RE: New project CLS-NBE funded by the European Spatial Agency 13 Oct 6
- Jean-Philippe M. RE: White plume? 07 Sep 3
- MD Marius D. Upcoming workshop on sargassum in Cancun 31 Aug
- QJ Quentin J. Major Call for projects on sargassum! 14 Aug
- Emma D. RE: Requesting Info about Colombia Sargassum session GCFI 13 Aug 1
- JL Juerg L. RE: Sargassum In St Martin FWI 13 Aug 4
- Michelle M. RE: Sargassum valorisation by direct spreading in field 12 Aug 1
- Tom L. RE: Ahora disponible en Español - Guía Oportuna para Hoteles y Complejos Turísticos sobre la Afluencia del Sargazo 13 Jul 9
- MD Marius D. Outil de surveillance citoyenne des Sargasses et de leurs Impacts dans les Caraïbes. 06 Jul
- Emma D. Ahora disponible en Español - Guía Oportuna para Hoteles y Complejos Turísticos sobre la Afluencia del Sargazo 20 Jun

Forum address: <https://spawrac.teamwork.com> - Suscribe : [sargassum.forum@gmail.com](mailto:sargassum.forum@gmail.com)

- messages connected to Sargassum influx, Sargassum detection and prediction systems, management technics and best practices, impacts on biodiversity...
- Shared files: Detection, posters, reports, etc
- Participants from nearly 200 different organizations: IGO, NGOs, Universities, Governmental Organisations, Engineering offices, etc.



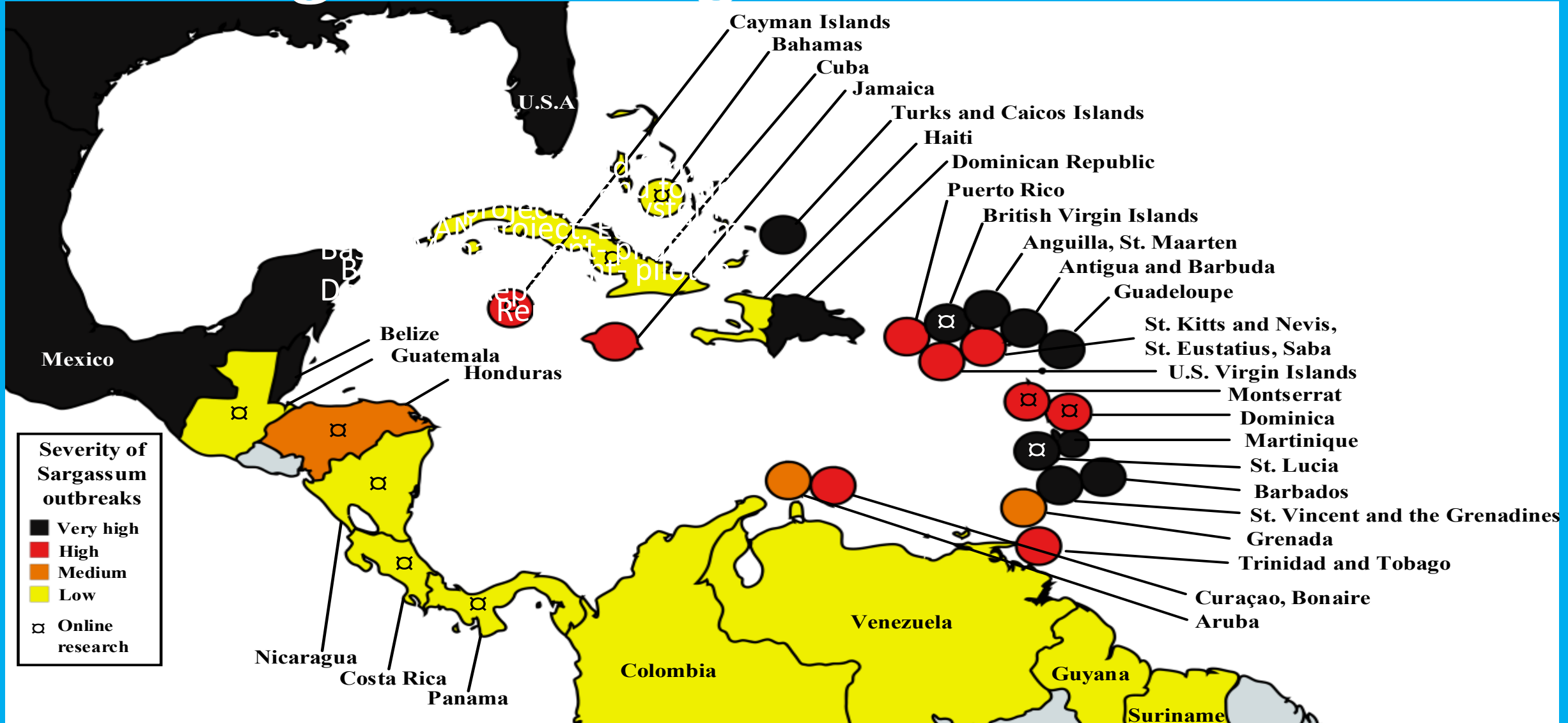
# The *Sargassum* Regional Survey

Survey conducted by Diego Garcia-Vega from UNEP/CEP Jamaica through the SPAW-RAC sargassum forum

Responses from 28 territories of the Wider Caribbean Region, as well as satellite records and online websites.

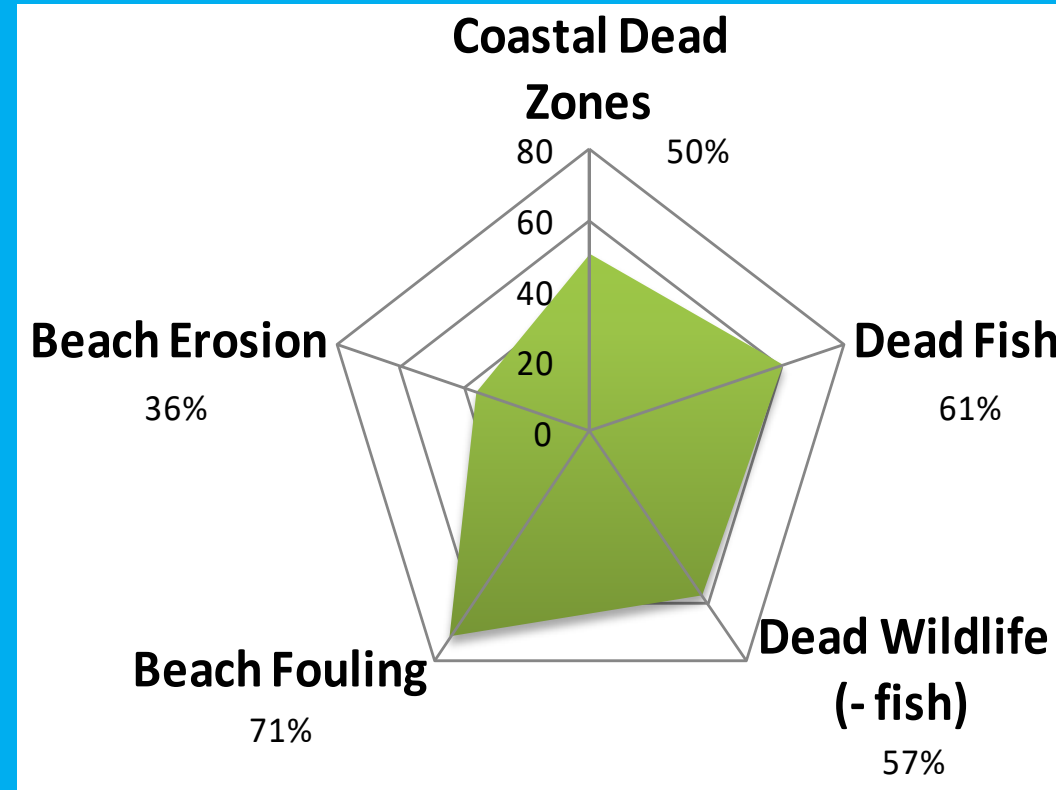
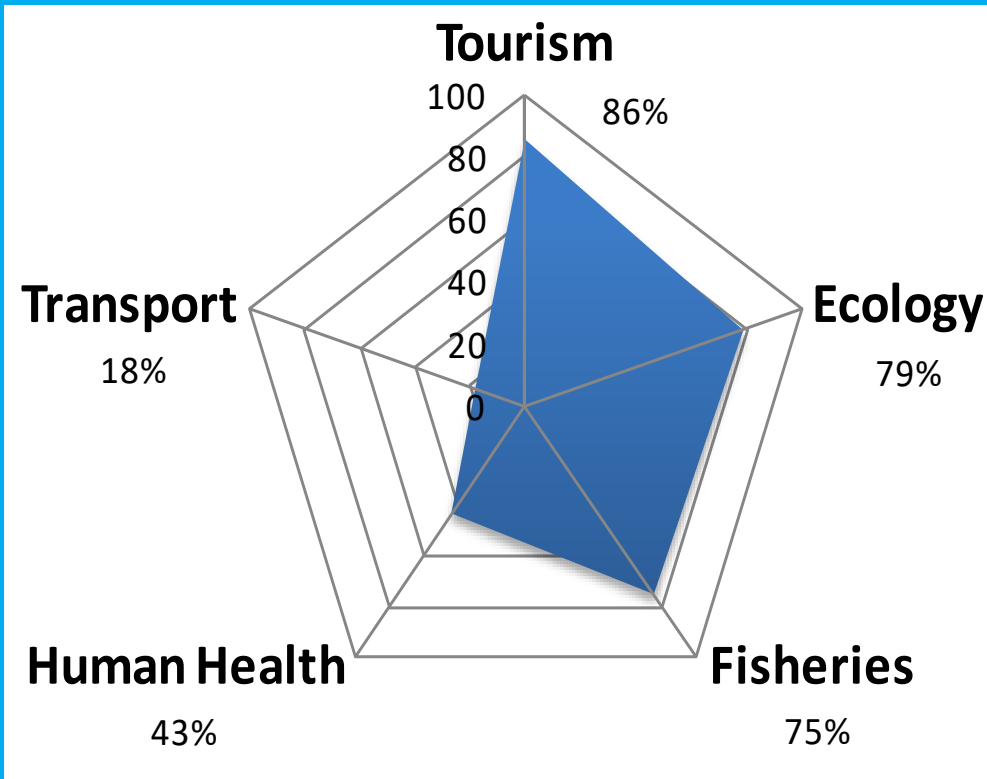


# The *Sargassum* Regional situation



Data: survey responses of National Focal Points from 28 territories of the Wider Caribbean Region, as well as satellite records and online websites.

# The *Sargassum* Regional Survey

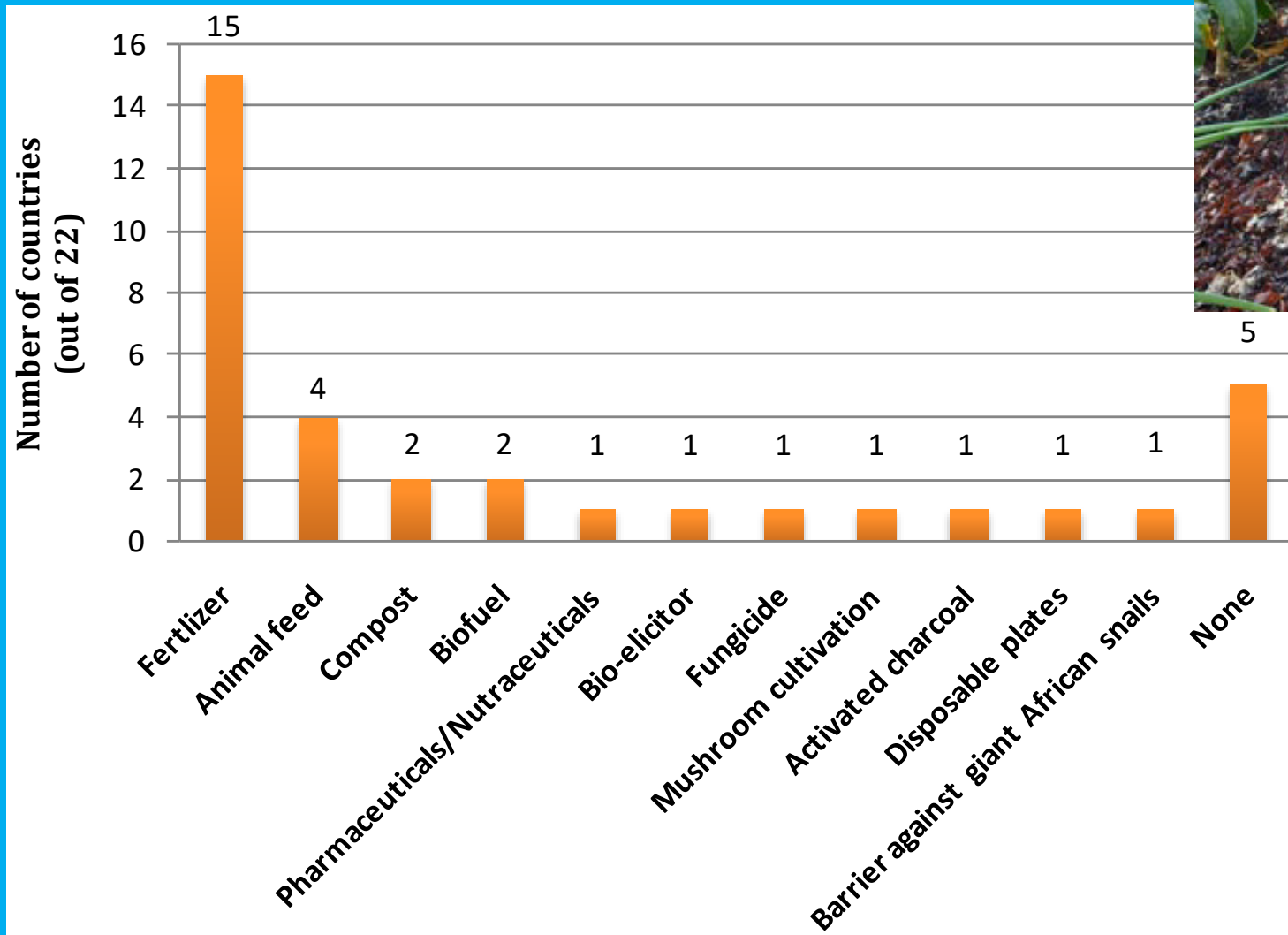


## Economic Sectors

## Ecological Damage

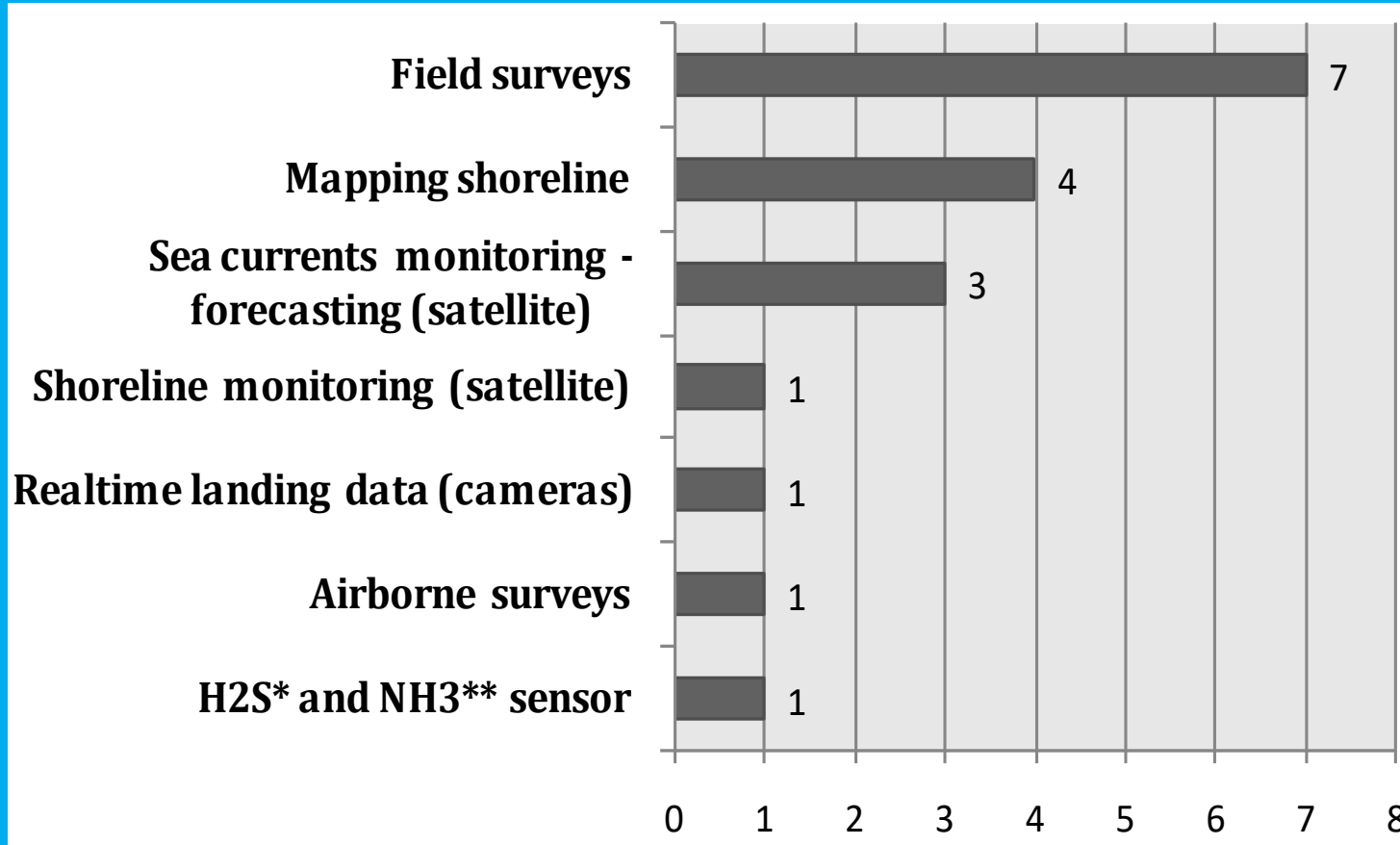


# Utilization of *Sargassum*



Data: survey responses from 22 territories that reported having a significant *Sargassum* issue.

# Sargassum Tracking Procedures



\*: Hydrogen sulphide

\*\* : Anhydrous ammonia

Data: survey responses from 19 territories that reported having significant *Sargassum* issue and provided details about their tracking procedures.



*Thank you, Gracias, Merci*



*UN Environment CAR/CEP  
14-20 Port Royal Street  
Kingston, JAMAICA*

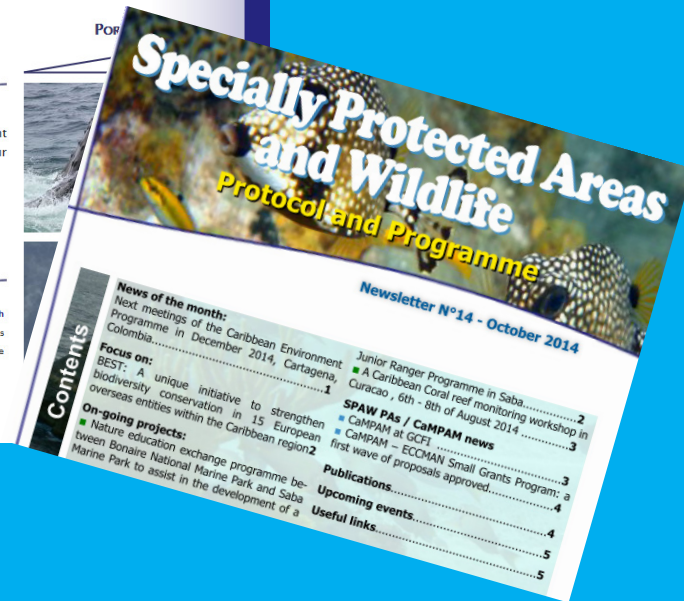
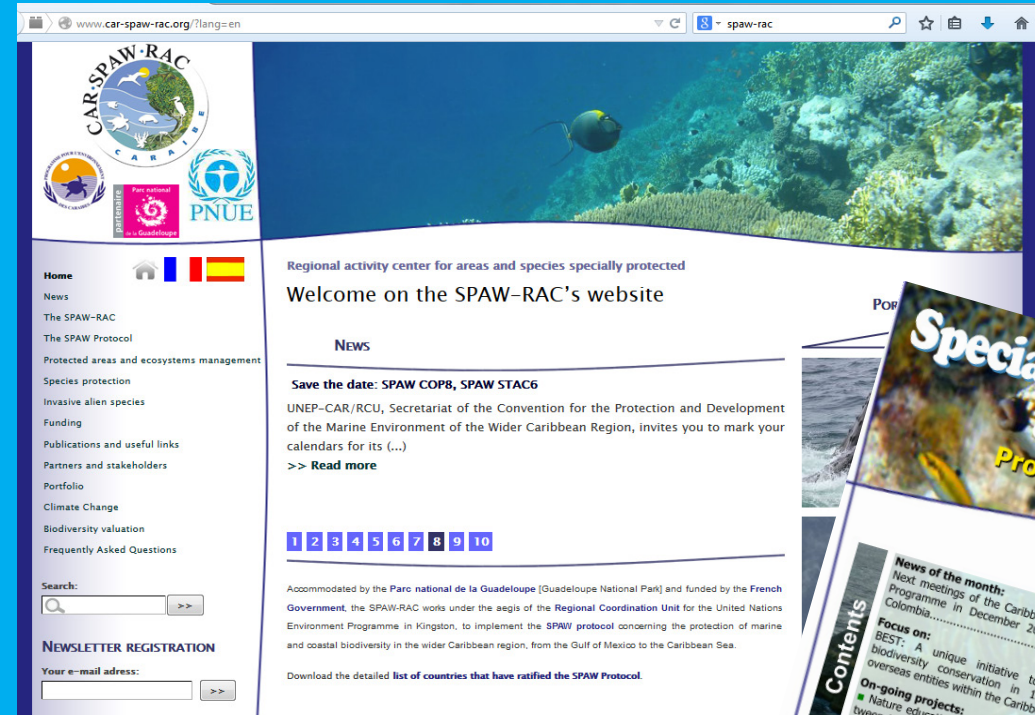
*SPAW/RAC*

*DEAL Guadeloupe*

*Site de Saint-Phy*

*sandrine.pivard@developpement-  
durable.gouv.fr*

<http://www.car-spaw-rac.org>



*Forum address: <https://spawrac.teamwork.com> - Suscribe : [sargassum.forum@gmail.com](mailto:sargassum.forum@gmail.com)*

*Authors: Sandrine Pivard, Diego Garcia-Vega, Ileana Lopez*