

WESTERN TROPICAL ATLANTIC REGION
REGIÓN ATLÁNTICO TROPICAL OCCIDENTAL
RÉGION ATLANTIQUE TROPICALE OCCIDENTALE



United Nations
Educational, Scientific and
Cultural Organization



Intergovernmental
Oceanographic
Commission



2021 United Nations Decade
2030 of Ocean Science
for Sustainable Development



*One Planet, One
Ocean*

*Un Planeta, Un
Océano*

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ONGOING DEEP-SEA CAPACITY DEVELOPMENT PROGRAMS IN THE WTA REGION SESSION

PROF. JUDITH GOBIN

THE UNIVERSITY OF THE WEST INDIES

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IMPORTANCE OF DEVELOPING CAPACITY IN TRINIDAD & TOBAGO

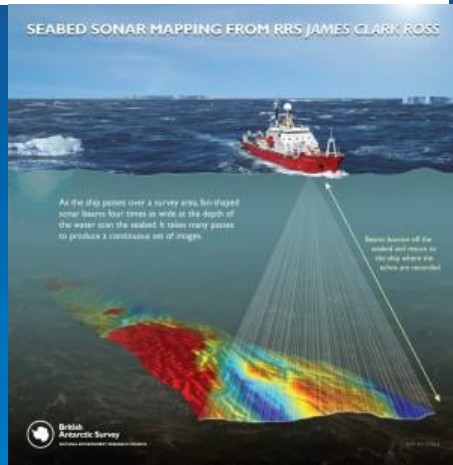
- **Limited Marine Sciences and Marine Technological expertise:** marine (biologists) scientists, taxonomist/s, deep sea biologists
- **4 Marine Institutions (limited government funding),** University of the West Indies, Institute of Marine Affairs, Fisheries Division, University of Trinidad and Tobago (UTT)
- HSE officers in Industry – job availability
- **Scholarship winners & Trainees -often move on**
- **> 40 yrs of basic coastal marine/oceanography**
- **The Deep Sea is only now being revealed- with *local scientist involvement***



Photo credit: Ocean Exploration Trust

WHAT DOES YOUR COUNTRY REQUIRE /THE REGION TO STRENGTHEN DEEP SEA CAPACITY BUILDING

- **Deep Sea science is expensive**
- **Access to Deep Sea samples & research vessels in the area**
- **Biodiversity & Taxonomic expertise; Determination of species, new technologies, DNA**
- **Marine Technology (analyses): Marine genomics Laboratories, powerful molecular tools for MGRs discovery, High tech equipment (sampling & analyses)**
- **Computational/analytical skills, big data storage**



CRITICAL CAPACITY DEVELOPMENT NEEDS FOR THE REGION

- **Activate Regional Hubs-** shared resources, Active Networking; get our scientists into large research projects
- **Build on successes of co-operation/sectoral groups in the Caribbean (RFMOs, UNEP, IOC, ISA, IMO, DOSI)**
- **Enable access & transfer of technology - Codes of conduct , Monitoring & Notification**
- **Industry (Offshore oil and gas companies) can contribute eg. <http://www.serpentproject.com/>**
- **Promote/expand training - innovative “train the trainer”**
- **Financing & Funding mechanisms- innovative**
- **Develop Science & Technical/IT**
- **Promote communication & Education (STEM)**



Photo credit: Judith Gobin



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MUCHAS GRACIAS

.....
THANK YOU
.....

MERCI BEAUCOUP

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