



The Impact of the ISA-Contractor Training Programme 'A Trainee's Perspective'

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Hank G. Hedge

***BBNJ Side Event 1
United Nations Headquarters, New York
September 10th, 2018***



2018 Training Programme



BACKGROUND

- ❑ **Name:** Hank George Hedge
- ❑ **Age:** 30
- ❑ **Nationality:** Jamaican
- ❑ **Occupation:** Geologist
- ❑ **Education:**
 - Undergraduate degree: **BSc in Geology**
 - 2007-2011 (UWI Mona Campus)
 - Postgraduate degree: **MSc Natural Resource Mgmt- Disaster Risk Management**
 - 2013-2015 (UWI Mona Campus)



WORK EXPERIENCE

10 years work experience in the field of Geology



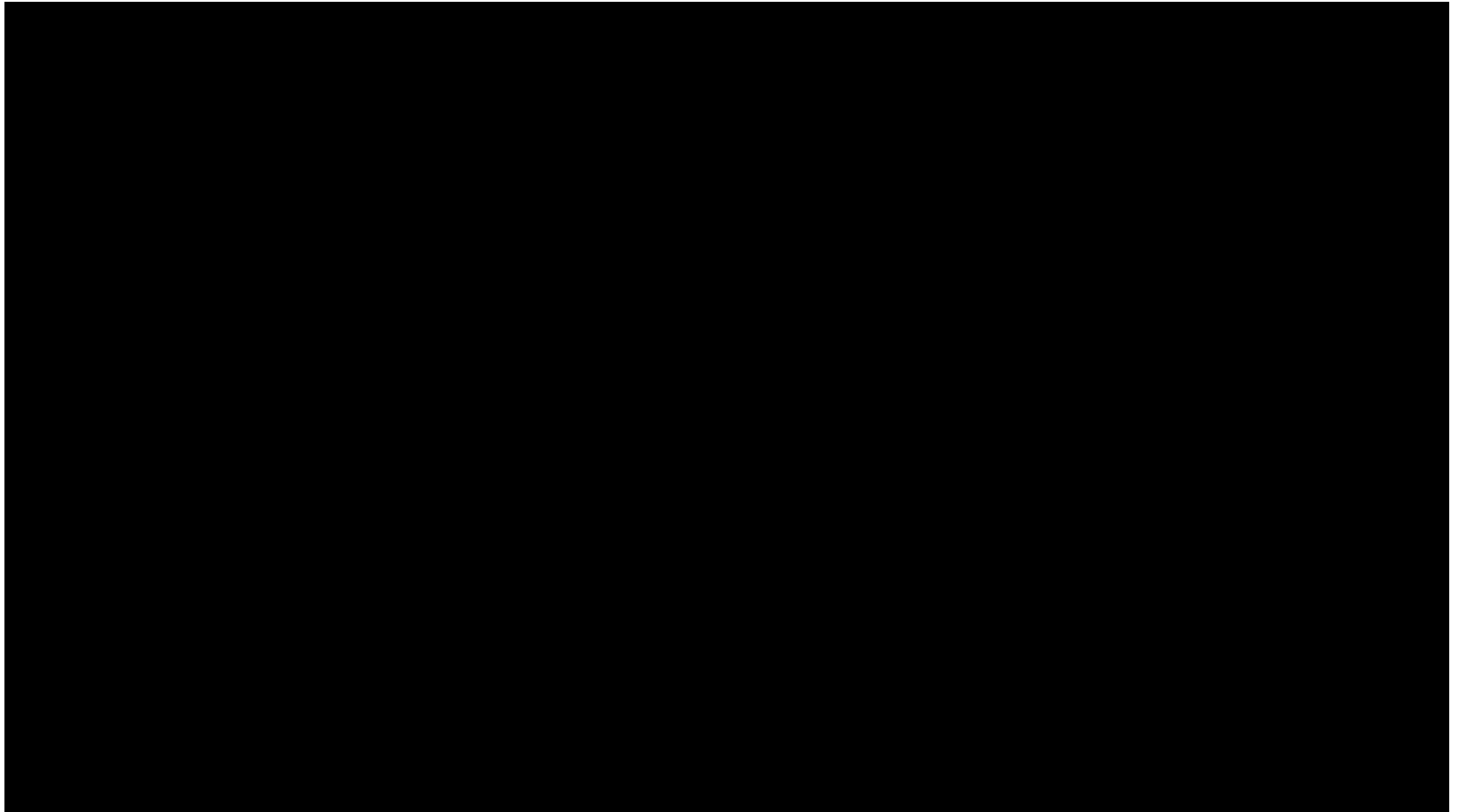
AT-SEA TRAINING

Why apply?



EXPLORE! EXPLORE!! EXPLORE!!!

PROGRAMME OVERVIEW





2015 Training Programme



TRAINEE PROFILE

☐ Kevin Tankoo (2015)

☐ Education- Geology & Natural Resource Management

☐ PhD Candidate in Geology at U.W.I, Mona Campus, Jamaica, researcher and geologist

☐ Research interests- Exploration geology, resource management, marine geology. Special interest in the Caribbean region



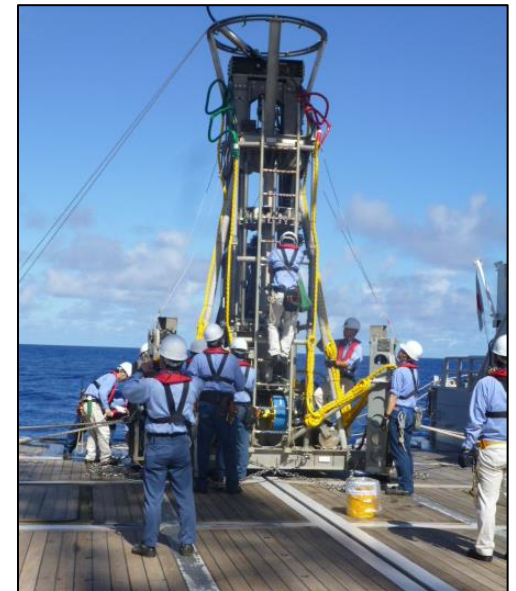
TRAINING OVERVIEW

- ❑ Contractor: JOGMEC
- ❑ Target: Cobalt-rich ferromanganese crusts
- ❑ Area: North West Pacific Ocean
- ❑ Components of training
- ❑ 3 trainees participated in 2015:
 - ✓ Alieu Jawo (The Gambia)
 - ✓ Md. Shamsuzzaman (Bangladesh)
 - ✓ Kevin Tankoo (Trinidad/Jamaica)



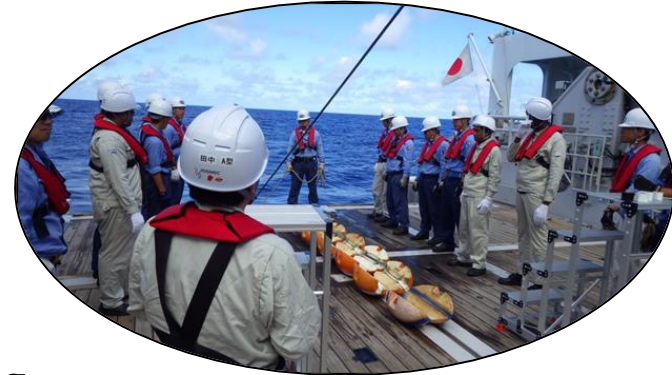
TRAINING OUTCOMES

- ❑ Understanding of international environmental laws and codes for marine exploration, environmental surveys, ISA, JOGMEC operations
- ❑ Introduction to the geology, distribution and characteristics of cobalt-rich ferromanganese crusts
- ❑ At-sea experience on-board the R/V Hakurei:
 - ✓ Marine surveys and ship life
 - ✓ Training with procedures and analytical skills
 - ✓ Types of environmental/geophysical surveys
 - ✓ Workflow for BMS drill logging and CRC core descriptions
 - ✓ ROV operations and equipment deployment at-sea
- ❑ Overview of smelting and refining procedures for Zinc and CRCs



PERSONAL BENEFITS & IMPACT

- ❑ Professional development both in foundational groundwork for exploration and at-sea training
- ❑ Transferable techniques from lab work, preliminary analysis and data sharing
- ❑ Exposure to the processing industry such as smelting and refining operations
- ❑ Insight into new/experimental technologies
- ❑ Improved team work skills
- ❑ Cultural Exchange/ Integration
- ❑ Networking with other researchers and industry experts
- ❑ Positive impact on early research career
- ❑ Contributed to promotions and career development





IMPACT ON ORGANIZATION

- Capacity building in research
- Knowledge transfer on the ISA
- Grant proposals
- Generated interest in marine exploration
- Lectures & Mentorship
- Caribbean opportunities?- JA/TT
- Gambia
- Bangladesh



BENEFITS OF THE TRAINING

Jamaica Losing Out As Sea Economy Yet To Be Tapped For Growth - World Bank Official

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Published: Monday | April 23, 2018 | 12:00 AM | Romario Scott/Gleaner Writer

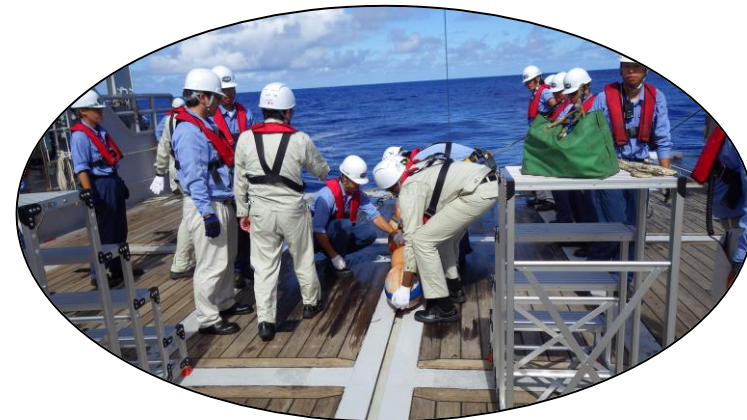


Shorn Hector

Dr David Smith (left), coordinator at the Institute for Sustainable Development at the University of the West Indies (UWI); Ambassador Aubyn Hill (second left), chief executive officer of the Economic Growth Council; Galina Sotirova, World Bank country manager for Jamaica; economist Dr Richard Bernal; and Valerie Hickey, World Bank practice manager for environment and natural resource global practice, Latin America and the Caribbean region, in conversation at the Blue Economy Public Lecture and Panel Discussion held last Tuesday at the UWI Regional Headquarters in St Andrew.

IMPACT ON WIDER SOCIETY

- ❑ Exposure assists in human resource development for under represented countries
- ❑ Representation from the different countries help foster relationships with the ISA
- ❑ Capacity building and mentoring through regional university and scientific societies
- ❑ The training prepared trainee for The Gambia's effort to Claim for Extension of the Continental Shelf Project where similar skills were utilized.
- ❑ Contributions in the form of articles on marine resources and mineral exploration to regional quarterly publications





THANK YOU!

