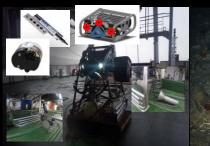


Opportunities





Deep Sea Node



NRF SAEON
South African Environmenta











LEGAL INSTRUMENTS

INTERNATIONAL SEABED AUTHORITY

CONTRACTORS

à isa.org.jm

At-Sea Training Programmes for 2018 CLOSED

UPDATE: (10 April 2010) The following candidates have been selected:

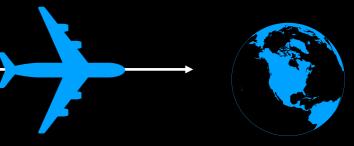
I. Opportunity under the Polymetalic Nodules Contract

NAME	GENDER	COUNTRY
First Ranked		
1. Isabel Garcia Arevalo	Female	Ecuador
2. Safiyya Sedick	Female	South Africa
Alternates		
1. Ahmed Mohamed Gad	Male	Egypt
Ahmed Mohamed Gad Hai Trinh Le	Male	Egypt Vietnam

The Ministry of Oceans and Fisheries, Republic of Korea (MOF) in accordance with the *contract for the exploration for polymetallic nodules* with the International Seabed Authority, is offering **two (2)** at-sea, on-board training places for candidates from developing states, in the field of environmental baseline survey. The cruise will be organized by the Korea Institute of Ocean Science and Technology (KIOST) and is planned between March and April 2018 for about 30 days with R/V *Kilo Moana* operated by the University of Hawaii. The survey will be focused on geological and biological sampling and collection of environmental baseline data in the Korean Contract Area for polymetallic nodules.

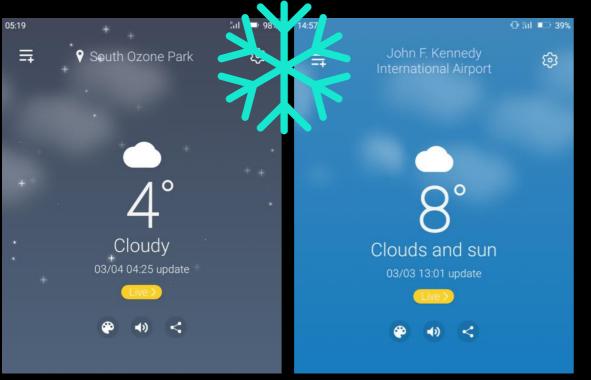
Candidates must meet the following requirements:

1. Education: hold a qualified bachelor or master's degree in the field of ocean science and biology or have an



Delayed Flights









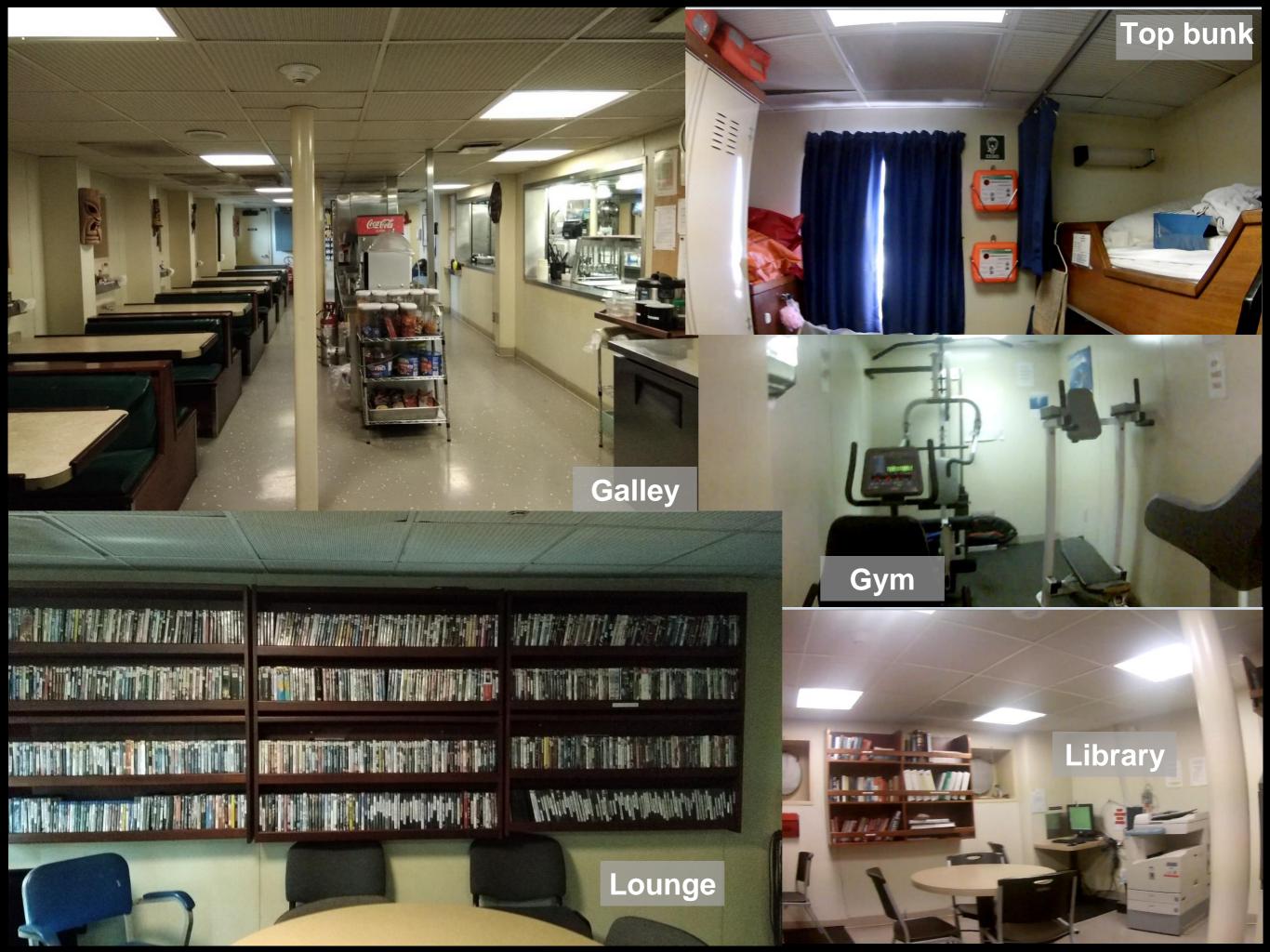


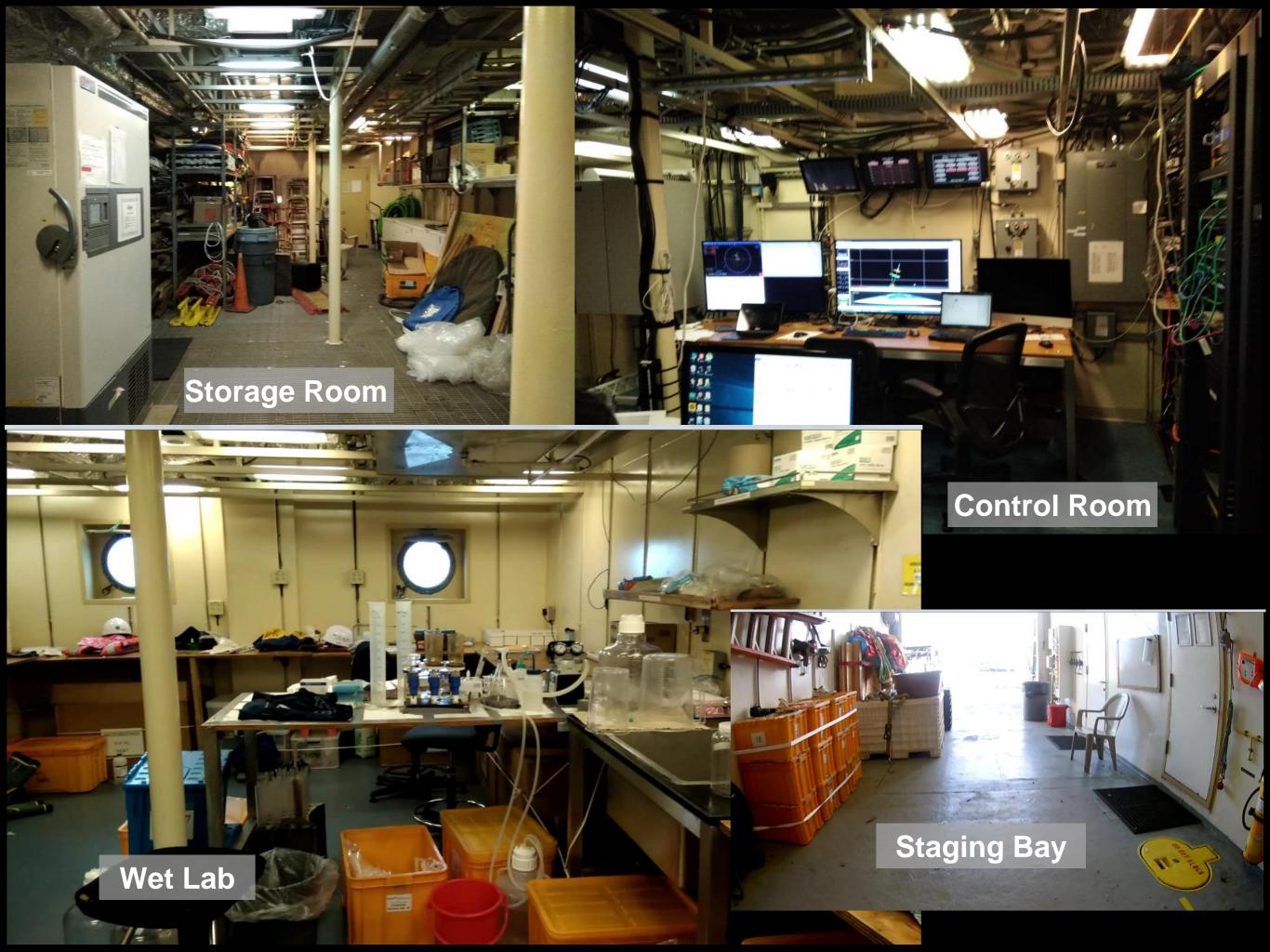


Waikiki





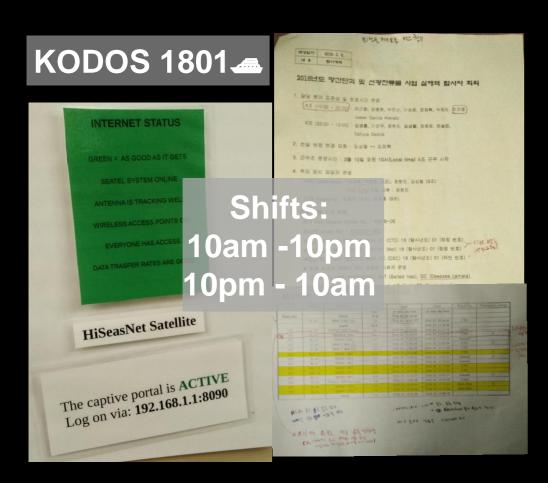


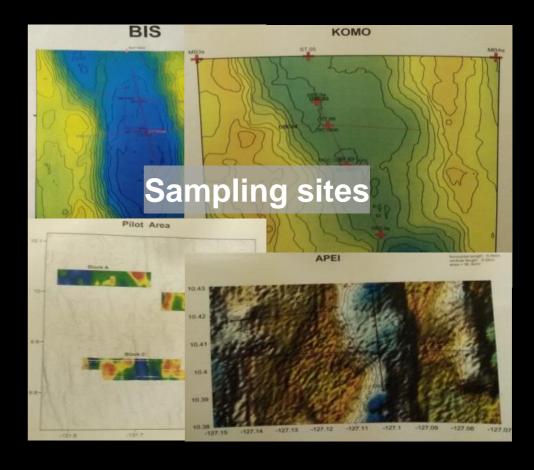


Deep sea – DAY 1

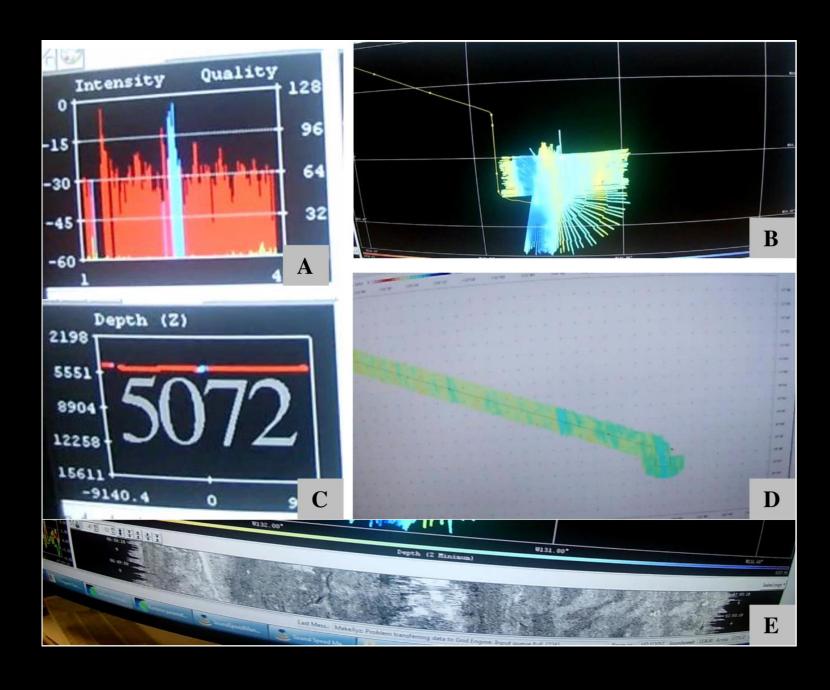




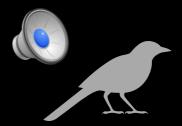


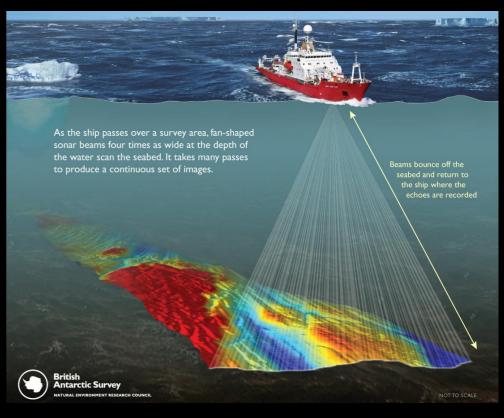


Multibeam Bathymetry Survey



- Several transducers on the hull transmit and receive sound pulses
- Time between each pulse translated into depth





Zooplankton/Phytoplankton Nets



Multiple Open and Closing Net, with an Environmental Sensing System (MOCNESS)



- Nets are able to open and close at desired depths
- Fitted with CTD
- Collecting bucket at cod end

- Mainly midwater sampling
- Samples up to 6km depth

Baited trap

• Seafloor sampling of benthic megafauna







(CTD)





Water sample collection



- Collects discrete water samples at user specified depths
- Conductivity, temperature, pressure, oxygen concentration, salinity and depth derived

Box core

Collects relatively large areas of seafloor sediment











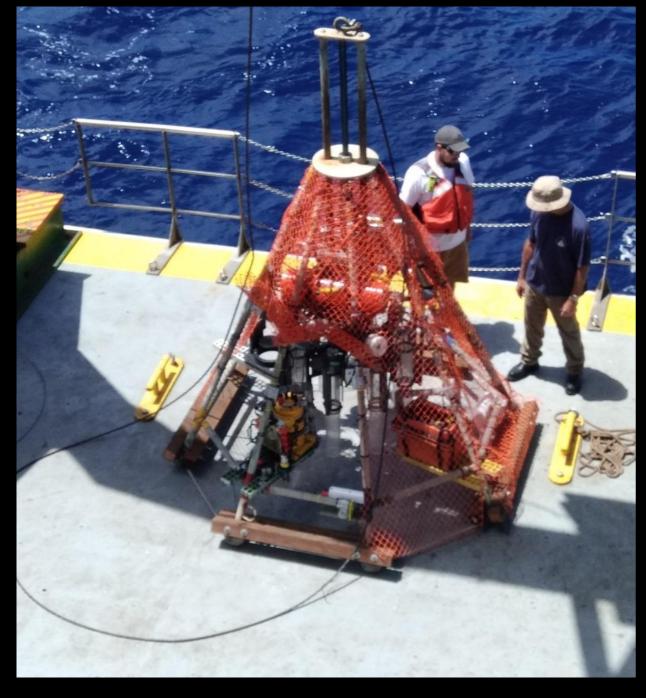
Collects relatively large areas of seafloor sediment
 Macrofauna samples

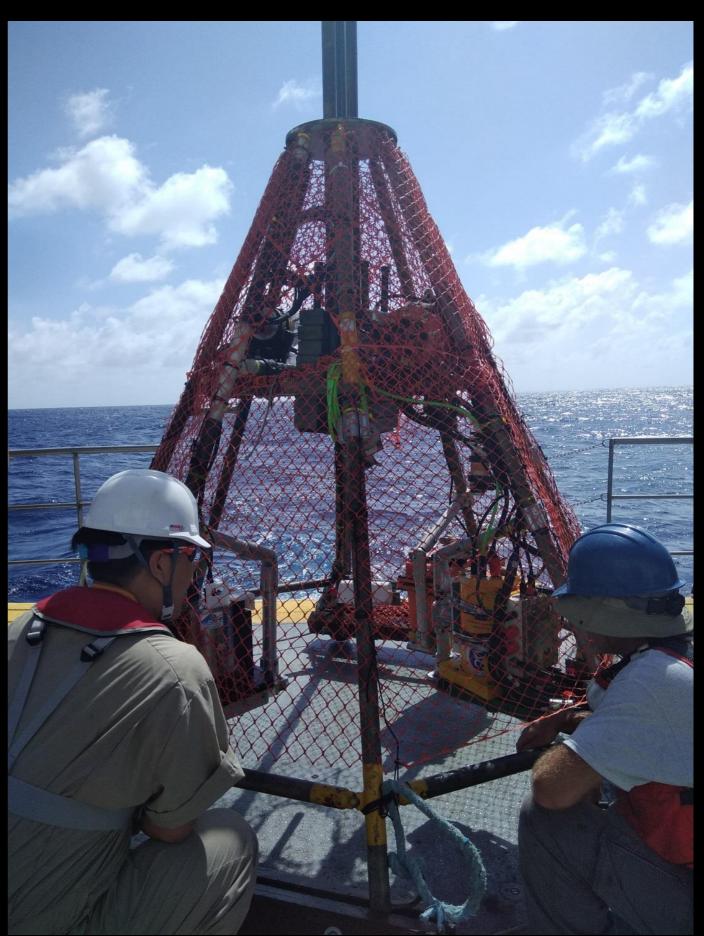




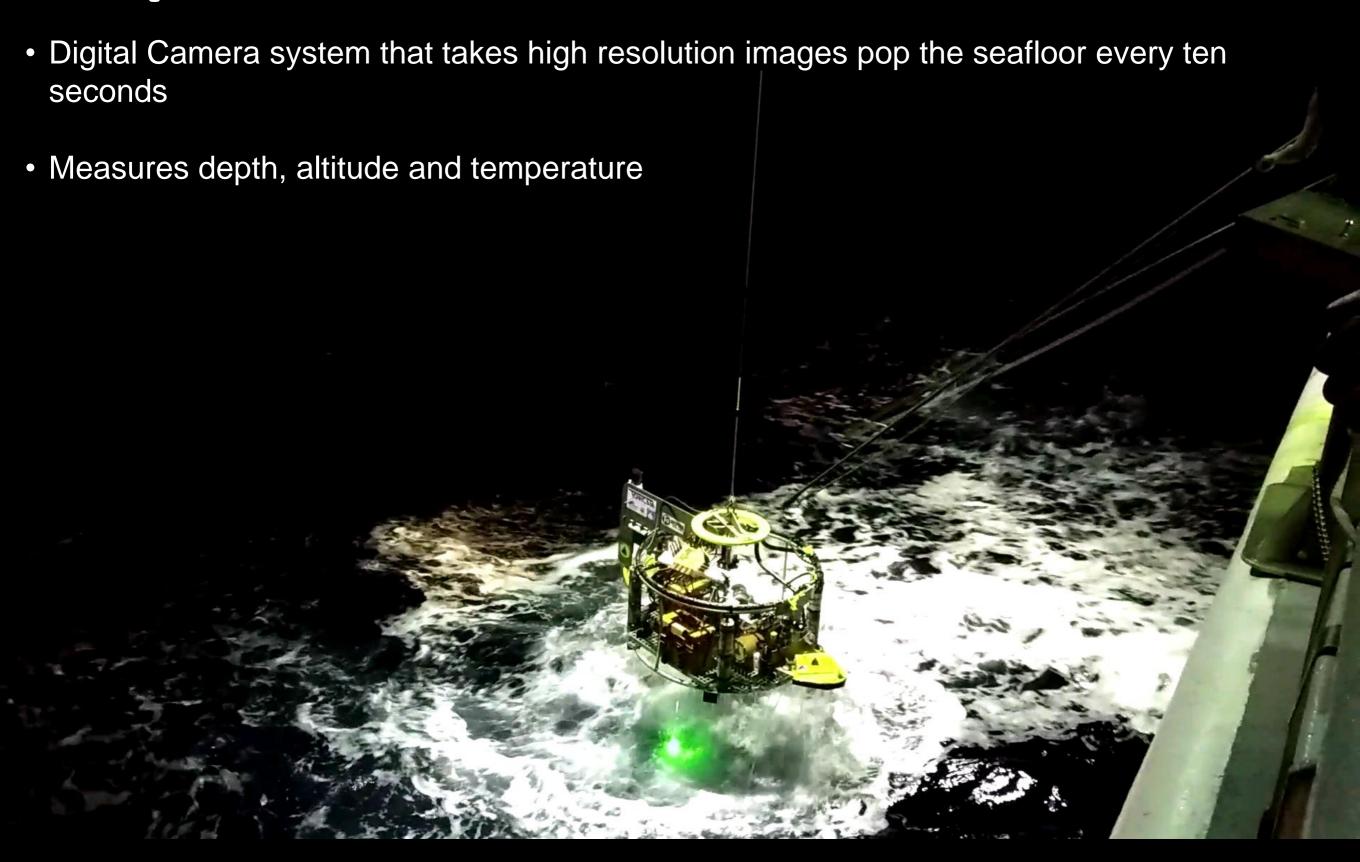
Multiple corer

Collects neat, undisturbed, subsamples of seafloor sediments





Deep Sea Towed Camera



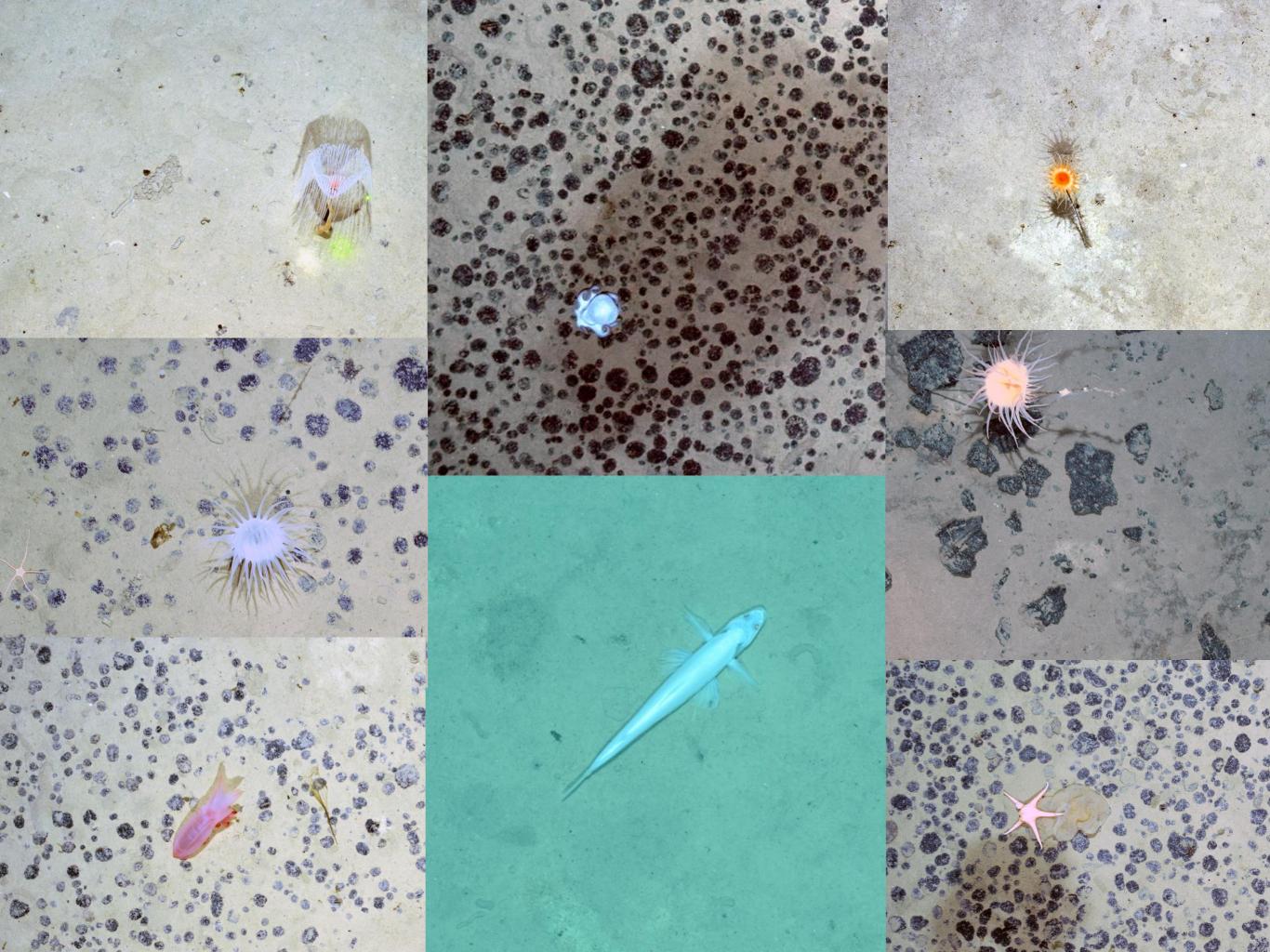
















Adapting to life at sea





San Diego, California



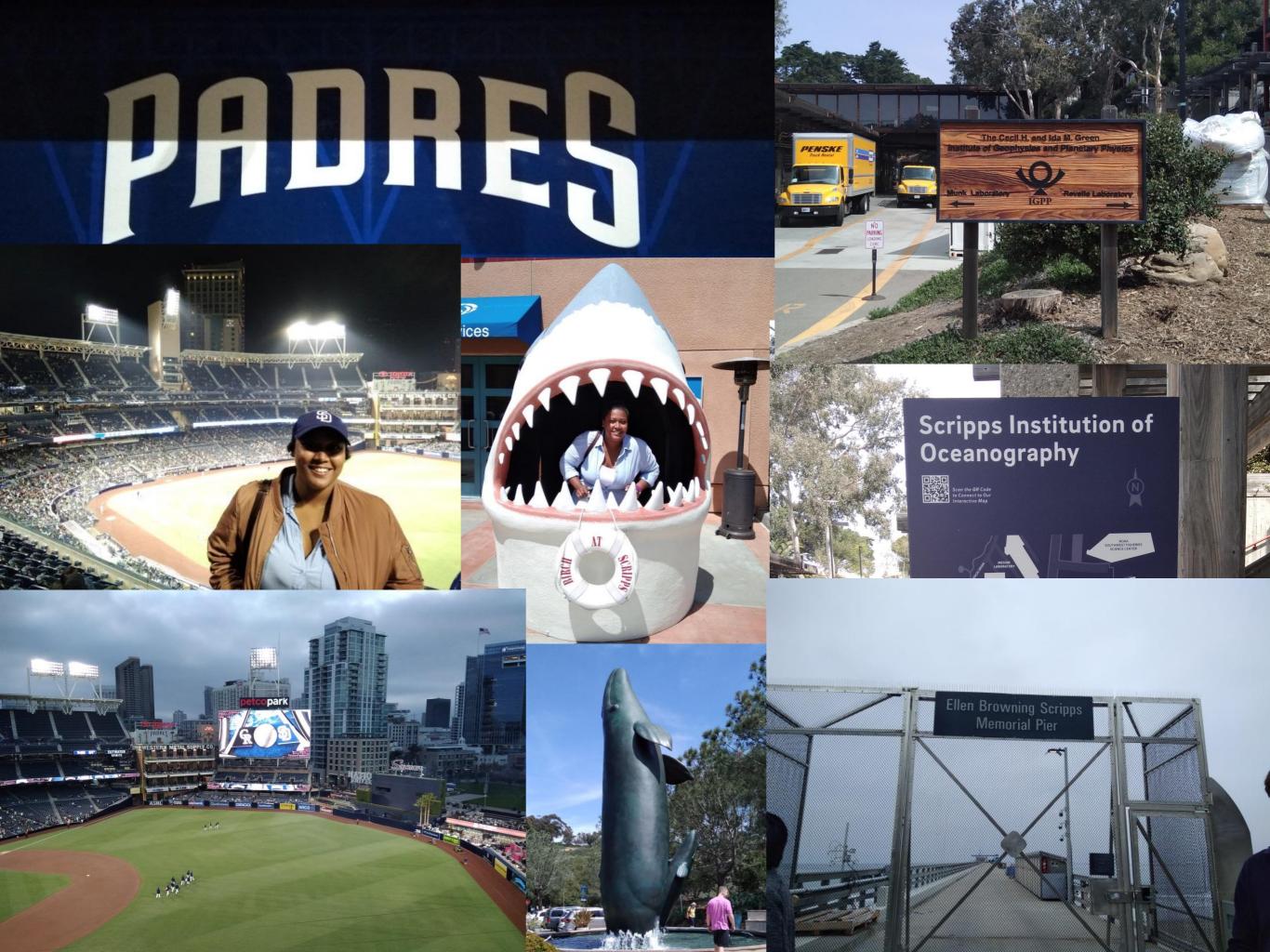














De Beers Group





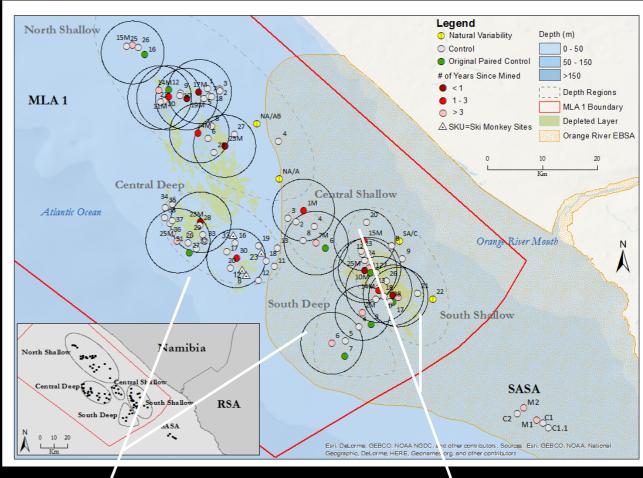






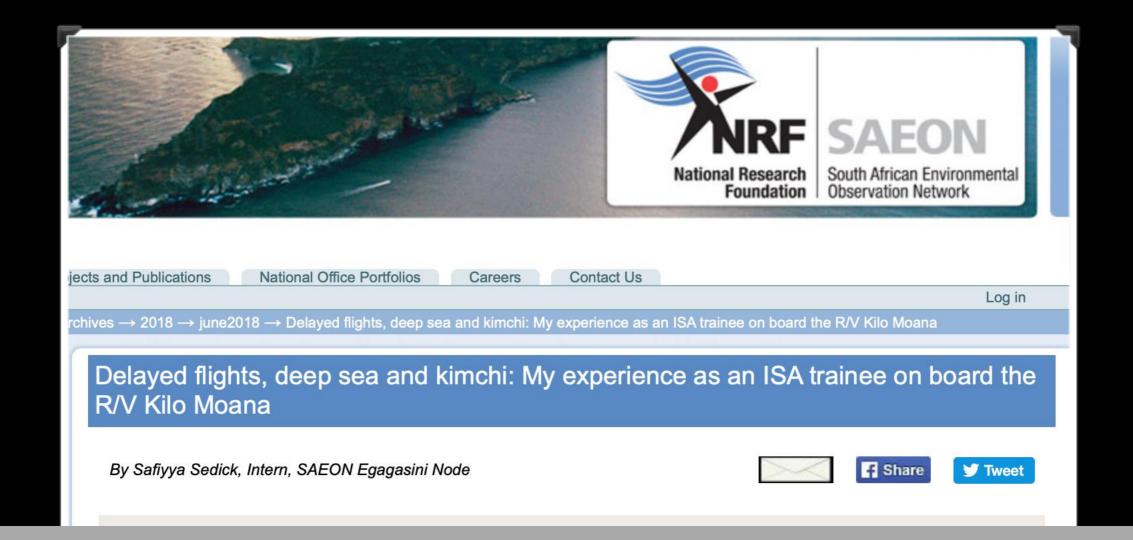












"While the idea of exploring a different country was truly enticing, it was the knowledge of the science that I was about to learn that left me feeling like I had been handed an all-access pass to the greatest show on earth"

On March 5, I was at Cape Town International Airport in South Africa, waiting to board the flight that would kick-start my journey to the tropical islands of Hawaii.

I was practically dancing with excitement at the prospect of leaving my home country for the first time to rove international waters

