UN-IGIF WORKSHOP FOR THE CARIBBEAN

Castries, St. Lucia

19 – 21 April 2023

“Strengthening geospatial capacities in the Caribbean”

Gabriela García Seco, INEGI
Bheshem Ramlal, UWI
BACKGROUND

DIGITAL EARTH AMERICAS

Measure the Social Impact of a Changing World

Enable Economic Growth and Commercial Opportunity

Inspire Community Engagement
MoU: CARIBBEAN DATA CENTER

**Phase 1**
Strengthening of Geospatial Infrastructure

**Phase 2**
Technical Training Program

**Phase 3**
Diffusion

- Urban growth
- Productive infrastructure
- Natural resources
- Statistical information
EXPLOITATION OF THE MGDC

Urban growth- Aguascalientes
EXPLOITATION OF THE MGDC
Public policy evaluation – Chapala Lake
PHASE II
TRAINING PROGRAM
TRAINING PROGRAM

- **MAY**: ODC Cloud Deployment
- **JUL**: Slum Area Identification
- **SEP**: New Settlement Recognition
- **NOV**: Deep-dive study for end-user’s needs

- **APR**: Introduction to ODC
- **JUN**: ODC Use Cases
- **AUG**: Agricultural Land Use Identification
- **OCT**: Sargassum Tracking
Caribbean Earth Observation Data Centre: Overview

- Bheshem Ramlal, Ph.D.
- Project Coordinator
- Senior Lecturer,
- Department of Geomatics Engineering and Land Management
- Faculty of Engineering, UWI, St. Augustine
## Equipment

<table>
<thead>
<tr>
<th>ITEM</th>
<th>NUMBERS</th>
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<tbody>
<tr>
<td>Servers</td>
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<tr>
<td>Power Switches</td>
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<tr>
<td>Cables and Other material</td>
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Data Centre Facility
Debe Campus

Data Centre Facility
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Data Centre Facility
# Training

## Module 1: Infrastructure Set Up

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<th>Name</th>
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## Module 2: ODC Based Products

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Timeline

- **Equipment Purchase**
  - Purchase Order Completed, Order Placed with DELL and Huawei Supplier (March)

- **Set Up**
  - Hardware Set up: DELL
  - Software Set up: INEGI and UWI
  - May/June

- **Training**
  - To be delivered by INEGI with support from several specialist from around the world.
  - Support provided by UWI,
  - Will start in second week of April and be completed by November 2023

- **System Launch**
  - October/November 2023

- **Public Awareness**
  - UWI will work with INEGI, UNGGIM Americas, CARIGEO to develop and implement public awareness strategy
  - Ongoing
ODC Support groups

Information Technology Support:
• Naresh Seegobin
• Andre Thompson
• Paula John-Wellington
• Abraham Lucas
• Richardo Bridgemohan
• Marlon Raghunanan

Earth Observation Support:
• Bheshem Ramlal
• Raid Al-Tahir
• Luke Rostant
• Darion Mahadeo
• Jason Tambie
• Tarick Hosein
• Julian Walcott
• David Yawson
Concluding Remarks

The UWI is committed to moving this project forward. We expect to have some challenges, but we know that there are other EO Data Cubes that are in operation. We have reached out to build a network so that we can benefit from the good practice that has been established already.
THANK YOU!