

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

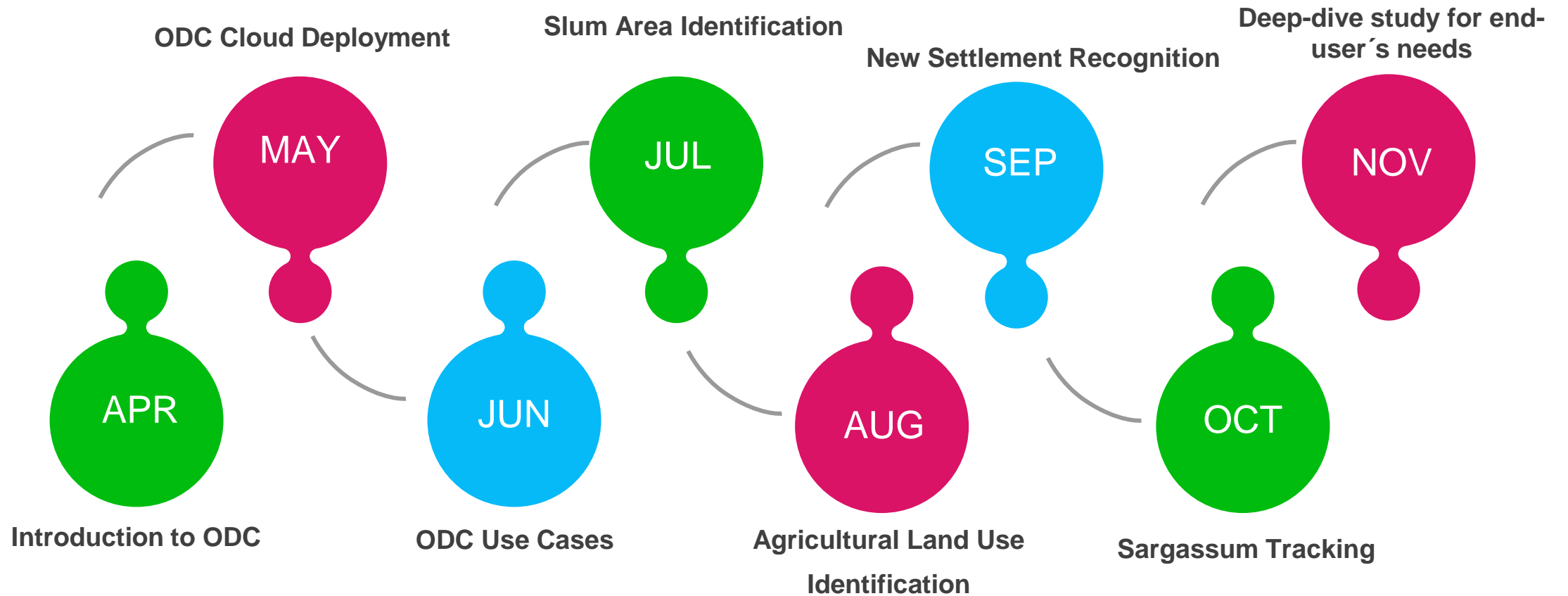
Public policy evaluation – Chapala Lake





PHASE II
**TRAINING
PROGRAM**

TRAINING PROGRAM



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

ITEM	NUMBERS
Servers	2
Power Switches	2
Cables and Other material	2

Data Centre Facility



Google Earth

Data SIO, NOAA, U.S. Navy, NGA, GEBCO
Image Landsat / Copernicus

10



20 km

Debe Campus



UWI St. Augustine - Penal/Debe Campus

Debe Academic Facility

Data Centre Facility

Google Earth

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90 m

Data Centre Facility



Data Centre Facility



Data Centre Facility



Training

- **Module 1: Infrastructure Set Up**

Name	Specialization
Mr. Naresh Seegobin	IT
Mr. Andre Thompson	IT
Ms. Paula John-Wellington	IT
Mr. Richardo Bridgemohan	IT
Mr. Abraham Lucas	IT
Mr. Tarick Hosein	EO/GIS
Dr. Raid Al-Tahir	EO
Dr. Bheshem Ramlal	GIS/EO

- **Module 2: ODC Based Products**

Name	Specialization
Mr. Naresh Seegobin	IT
Mr. Andre Thompson	IT
Ms Paula John-Wellington	IT
Mr. Richardo Bridgemohan	IT
Mr. Abraham Lucas	IT
Mr. Tarick Hosein	EO/GIS
Dr. Raid Al-Tahir	EO
Dr. Bheshem Ramlal	GIS/EO

Timeline

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

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

UWI will work with INEGI,
UNGGIM Americas, CARIGEO
to develop and implement
public awareness strategy

Ongoing



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

October/November 2023

ODC Support groups

Information Technology

Support:

- Naresh Seegobin
- Andre Thompson
- Paula John-Wellington
- Abraham Lucas
- Richardo Bridgemohan
- Marlon Raghunanan

Earth Observation Support:

- Bhesem 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!

