



UN-GGIM:Americas

REGIONAL COMMITTEE OF
UNITED NATIONS
ON GLOBAL GEOSPATIAL
INFORMATION MANAGEMENT
FOR THE AMERICAS

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Introduction

- On August 23, 2013, the Regional Committee of the UN Global Geospatial Information Management for the Americas (UN-GGIM:Americas) was created.
- This new regional body replaces the Permanent Committee for Geospatial Data Infrastructure of the Americas (PC-IDEA).

“The new regional committee will be aligned to the global architecture, which will better address regional and global challenges especially in the context of sustainable development and humanitarian assistance”.

Mr. Stefan Schweinfest,

Director of the United Nations Statistics Division

10th UNRCC-A



Country Members



Antigua and Barbuda



Argentina



Bahamas



Barbados



Belize



Bolivia



Brazil



Canada



Chile



Colombia



Costa Rica



Cuba



Dominique



Dominican Republic



Ecuador



El Salvador



Grenada



Guadeloupe



Guatemala



Guyana



Haïti



Honduras



Jamaica



Martinique



Mexico



Nicaragua



Panama



Paraguay



Peru



St. Maarten



St. Lucia



St. Vincent and the Grenadines



St Kitts and Nevis



Suriname



Trinidad and Tobago



United States of America



Uruguay



Venezuela



Executive Board



1st Session of UN-GGIM:Americas

The First Session was held in Mexico City during the Latin America Geospatial Forum on September 2014. With the presence of 32 American Countries. France and Spain as observers.



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1st Session of UN-GGIM:Americas

- Representatives of the following international and regional organizations attended the meeting: Geocentric Reference System for the Americas (SIRGAS for its acronym in Spanish) GeoSUR, Pan American Institute of Geography and History (PAIGH), the Caribbean Disaster Emergency Management Agency (CDEMA), Urban and Regional Information Systems Associations for the Caribbean (URISA Caribbean Chapter), Association of Caribbean States (ACS) and the Open Geospatial Consortium (OGC).
- Presentations of the new Working Groups were carried out by their coordinators and Member countries were distributed.
- The working groups' coordinators led sessions with their new members to give continuity for planning objectives, steps and responsibilities distribution.



Working Groups

Working Groups	Coordinator	Member Countries
1. WG on the Integration of Statistical and Geospatial Information	Colombia – Statistical and Geospatial Organisms.	<u>Geospatial</u> : Colombia, Argentina, Jamaica, Antigua and Barbuda, Haiti, Granada and St Maarten. <u>Statistical</u> : Argentina, Chile, Cuba, Ecuador, El Salvador, Panama, Dominican Republic, Suriname.
2. WG on access and use of geospatial information for disaster risk reduction and climate change	El Salvador	El Salvador, Honduras, Guatemala, Dominique, Guyana, Martinique, Dominican Republic, Chile, Canada, Jamaica and Brazil. Organisms: CDEMA
3. WG on Standards and Technical Specifications	Mexico	Chile, Argentina, Barbados, Colombia, St. Kitts & Nevis, Ecuador, Antigua and Barbuda, Nicaragua, Peru, Guyana, El Salvador, Panama and Haiti.



Working Groups

Working Groups	Coordinator	Member Countries
<p>4. WG on Promotion and Evaluation of Spatial Data Infrastructure.</p>	<p>Chile</p>	<p>Chile, Cuba, Dominica, Haiti, Guyana, Peru, Paraguay, Panama, Nicaragua, Jamaica, Ecuador, United States, Granada, Bahamas, Barbados, Canada, Antigua and Barbuda, Martinique, Uruguay and Brazil</p> <p>Organisms: UN-GGIM Secretariat, URISA Caribbean Chapter.</p>
<p>5. WG on International Coordination and Cooperation</p>	<p>Mexico</p>	<p>Antigua and Barbuda, Bahamas, Barbados, Cuba, Dominique, Grenada, Guadeloupe, Guyana, Haïti, Jamaica, Martinique, Dominican Republic , Saint Lucia, Saint Kitts and Nevis, Saint Vincent and the Grenadines, St. Maarten, Suriname and Trinidad and Tobago.</p> <p>Organisms: ACS; INEGI; AMEXCID, CDEMA; URISA Caribbean Chapter; UWI; University of Guyana</p>



Thematic diagnosis for the Americas

Diagnosis of the geospatial information management across the Americas.

The coordinators of each working group, prepared a module for a joint questionnaire, which was distributed last June 2015 to analyze and present results at the Second Session in the following topics:

Integration of Statistical and Geographical Information

Access and Use of Geospatial Information Risk Reduction and Climate Change.

Standards and Technical Specifications.

Promotion and Assessment of Spatial Data Infrastructure.



Join Action Plan

Coordinated efforts between PAIGH, SIRGAS, GeoSUR and UN-GGIM:Americas to:

- Harmonize and accelerate, in a coordinated and effective way the Spatial Data Infrastructure development in the Americas.
- Strengthen the implementation of the Global Geodetic Reference Frame in the continent.
- Integrating the continuous 1:250,000 of the region to meet the Sustainable Development Goals



UN-GGIM:Américas

COMITÉ REGIONAL DE LAS
NACIONES UNIDAS SOBRE
LA GESTIÓN GLOBAL
DE INFORMACIÓN GEOESPACIAL
PARA LAS AMÉRICAS



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Caribbean Project



**Project for the strengthening of Spatial
Data Infrastructures in the Caribbean**



Cooperation for the Caribbean Region

Agreement between the Mexican Ministry of Foreign Affairs, the National Institute of Statistics and Geography (INEGI), and the Association of Caribbean States (ACS), in the amount of 4.5 million US Dollars.

Signed at the ACS Summit in Merida, Mexico – April 2014



Participating Countries

1. Antigua & Barbuda



2. Bahamas



3. Barbados



4. Belize



5. Cuba



6. Dominique



7. República Dominicana



8. Grenada



9. Guadeloupe



10. Guyana



11. Haïti



12. Jamaica



13. Martinique



14. St Kitts & Nevis



15. St. Lucia



16. St. Maarten



17. St. Vincent & the Grenadines



18. Suriname



19. Trinidad & Tobago



Project Components

1. Diagnostic Phase

2. Capacity Building - UN-GGIM

3. Infrastructure:

Strengthening of the Geodetic Network

Map of Land Cover

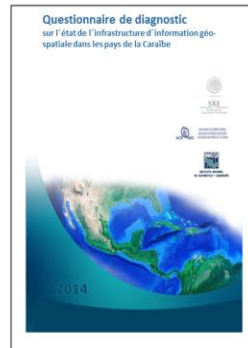
Geomatics Solution



1. Diagnostic phase

Questionnaires and consultations with countries & institutions

- Deliverable: diagnostic report and evaluation



Constitution of the Technical Advisory Committee

Meetings to define capacity building & infrastructure strategy

- Panama City, 13 February 2015
- New York, 6 August 2015



THE UNIVERSITY OF THE WEST INDIES



UNIVERSITY of GUYANA



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2. Capacity Building Courses

GEODESY

By Dr. Keith Miller- UWI

INEGI Headquarters, December 2014

Participation of 15 country representatives



STANDARDS

By Dr. Trevor Taylor – OGC

UN Headquarters, 2-3 August 2015

Participation of 17 country representatives



2. Incorporation to UN-GGIM

- **UN-GGIM 4** – New York, August 2014
- **UN-GGIM: Américas/LAGF** – Mexico City, September 2014
- **UN-GGIM 5** – New York, August 2015



3. Infrastructure



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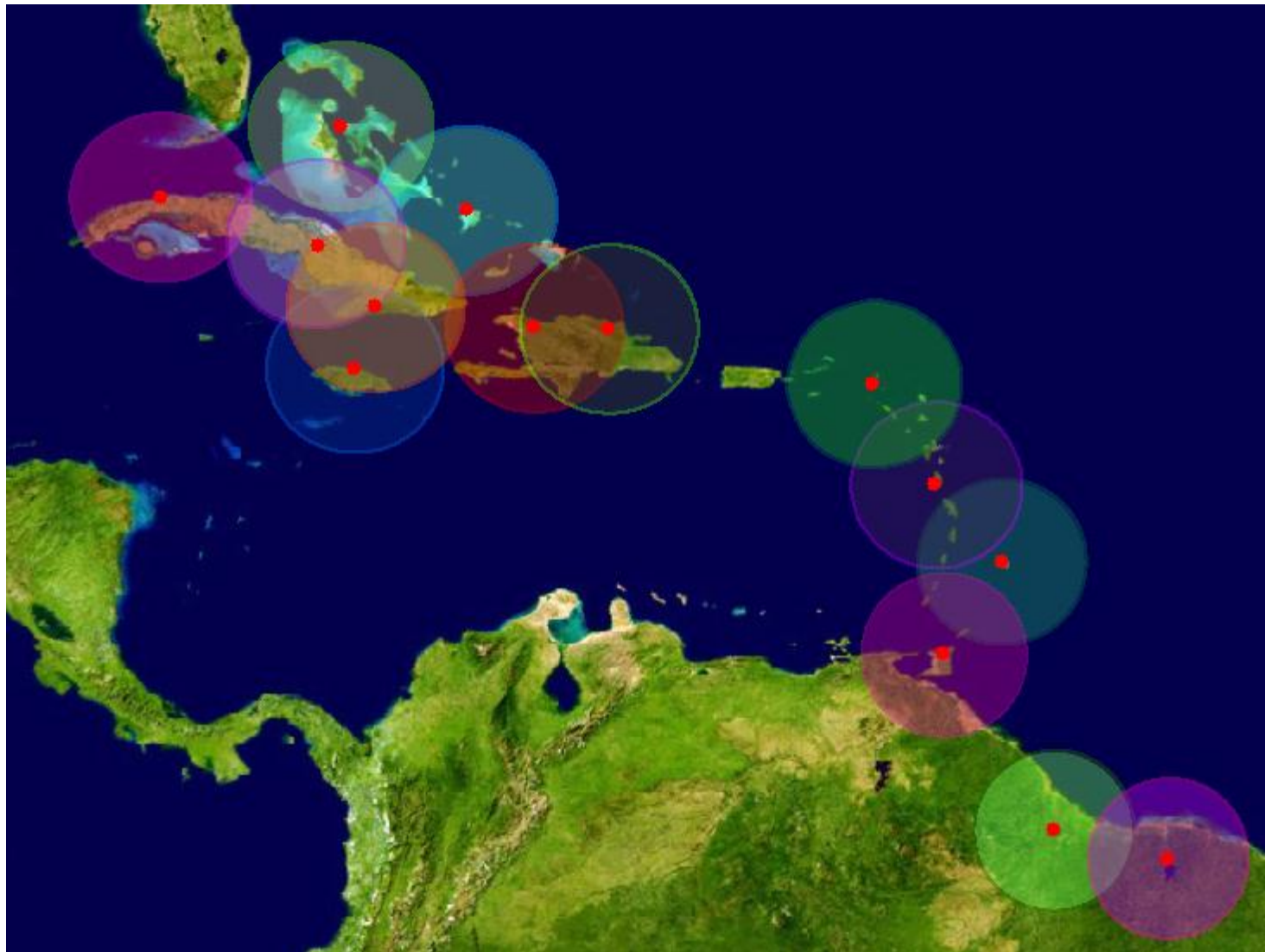
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Strengthening of the Geodetic Network

Proposed locations of GNSS stations

Location	Stations
Bahamas	2
Barbados	1
Cuba	3
Dominica	1
St. Vincent and the Grenadines	1
Haïti	1
Jamaica	1
Sint Maarten	1
República Dominicana	1
Suriname	1
Trinidad & Tobago	1
TOTAL	14



Currently in bidding process

36 GNSS receivers



14 GNSS Stations



Regional Data Processing Center

MoU signed with the University of the West Indies (UWI):

Physical space and trained staff (operation & maintenance)

Regional connectivity and data access to all countries

Capacity building and technical advice



Land cover map



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Aim: a current land cover map of the Caribbean



Expected Results

- Full regional coverage, with adequate spatial and spectral resolutions
- Harmonization of land cover classification systems
- National and regional land cover cartography



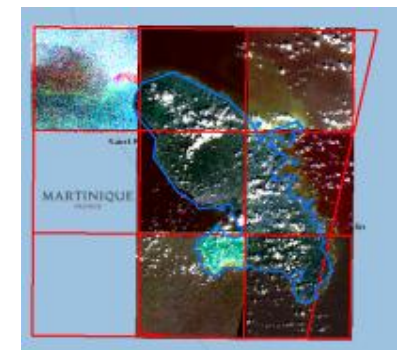
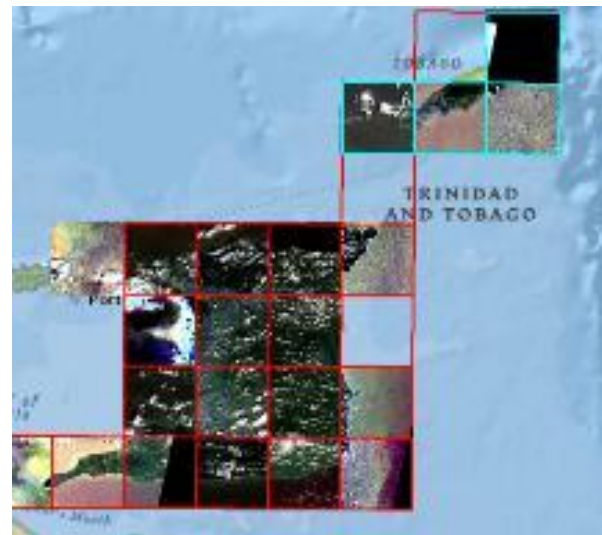
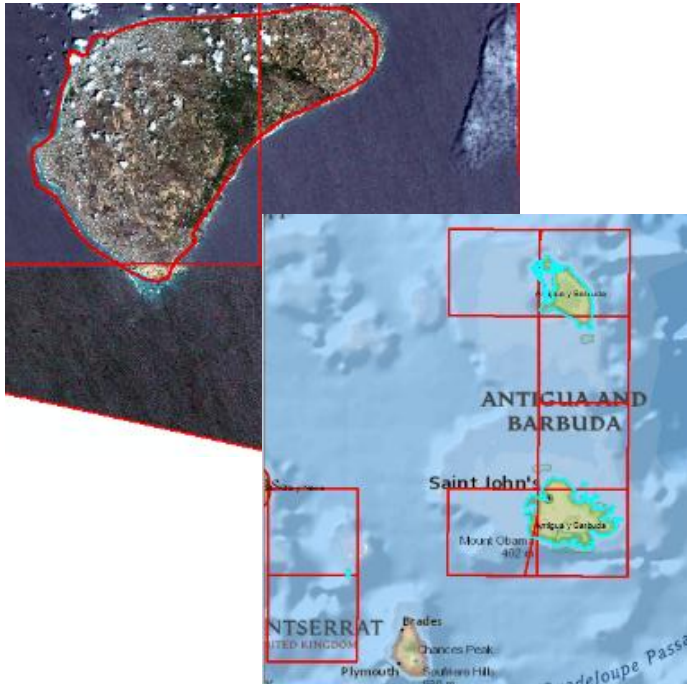
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Sources: satellite imagery

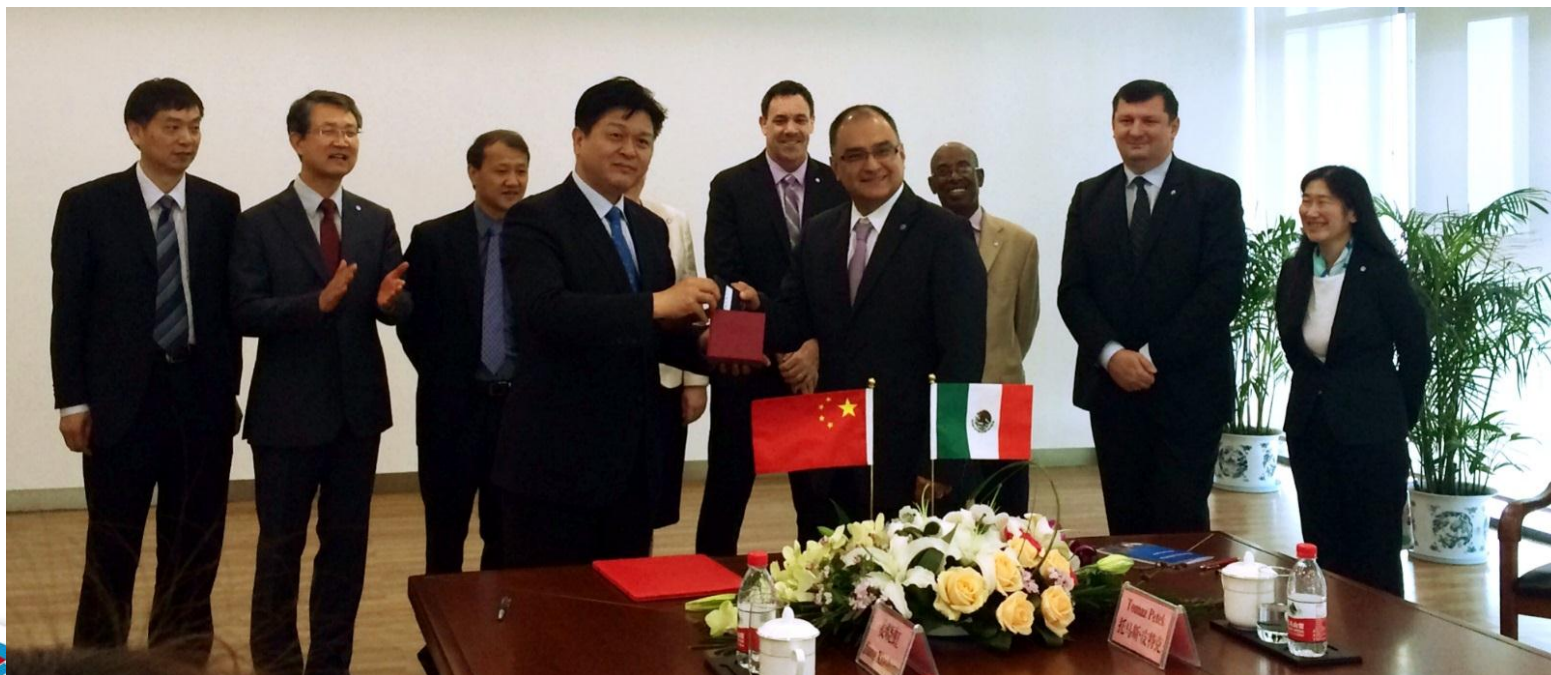
- 1,138 Rapid Eye satellite images covering 220,474 km² were acquired, corresponding to 16 island countries in the Caribbean region.
- Image resolution is 5.3 m; 5-bands, in color



MoU between INEGI and NASG

NAGS from China is providing Satellite Images of higher resolution (2.4m), ideal for smaller Caribbean islands, for the following Countries:

Barbados; St. Maarten; St. Lucia; Saint Kitts and Nevis; St. Vincent and the Grenadines; Trinidad and Tobago; Bahamas; Dominica; Grenada; Martinique; Antigua and Barbuda and Guadeloupe.



Satellite Imagery delivered to Caribbean Countries

Visits to the region – March 2015 and
UN-GGIM-5 – New York, August 2015



Cuba



Trinidad &
Tobago



Barbados



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Saint Lucia



Antigua and Barbuda



Barbados



Trinidad and Tobago



Grenada



Saint Vincent and the Grenadines



Dominica



Bahamas



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Dominican
Republic



Jamaica



Sint Maarten



Saint Kitts
and Nevis



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Geomatics Solution

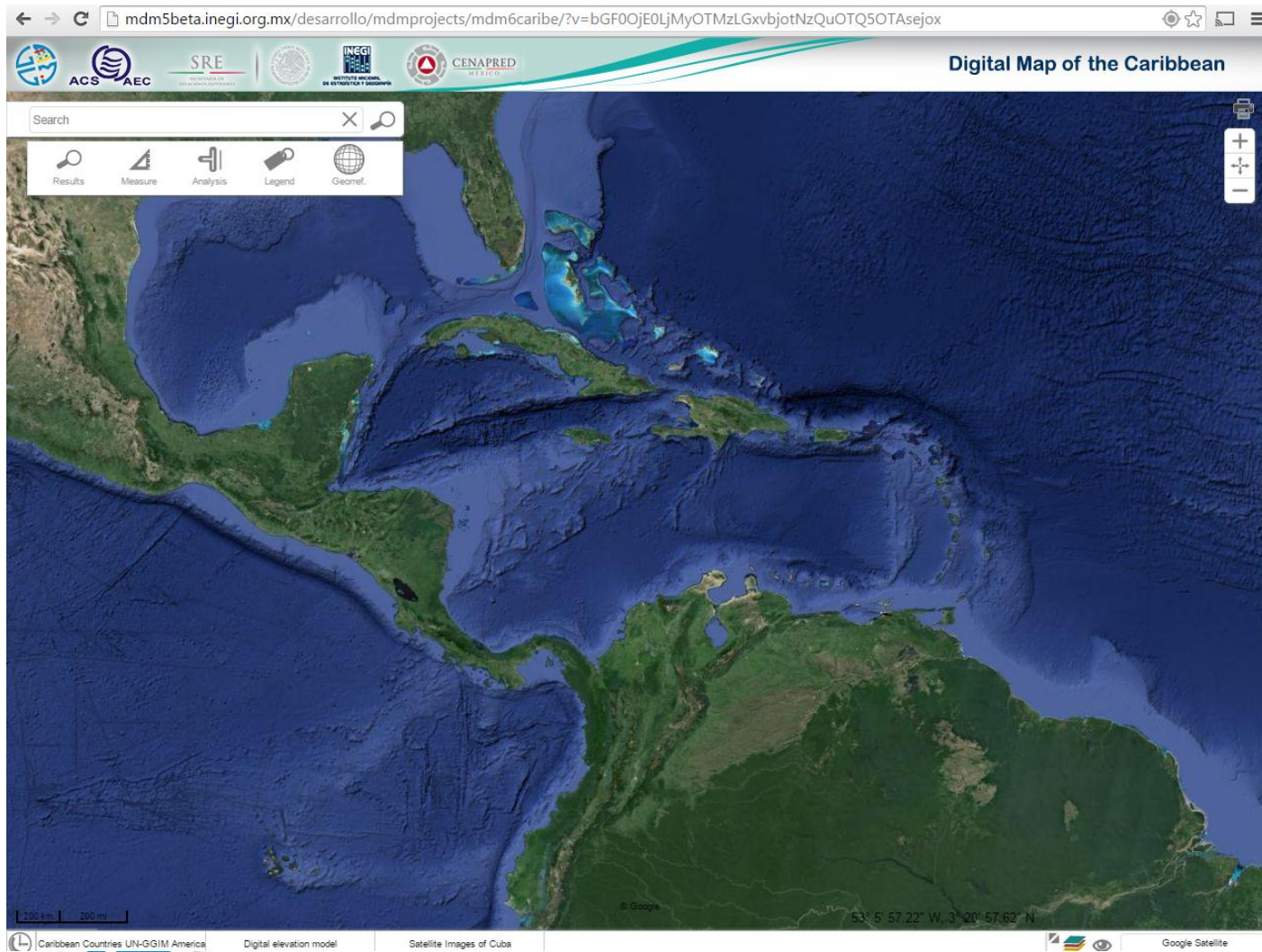


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Digital Map of the Caribbean



Possible Layers:

- Land cover
- Vulnerability
- Disaster management
- Relief/topography
- Hydrography
- Economic data
- Census data
- Cadastre



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Future Actions



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1. Continue capacity building phase

Upcoming Training Events

- ✓ **Course on Cartography. Mexico 2015**
- ✓ **Course on Spatial Data Infrastructures Saint Lucia –2016**
- ✓ **Course in Remote Sensing and digital classification of vegetation systems Cuba – 2016**
- ✓ **Workshop on operation of geodetic equipment Trinidad & Tobago –2016.**
- ✓ **Course on Geomatics Solutions. Trinidad & Tobago - 2016**
- ✓ **UN-GGIM 6 New York 2016**
- ✓ **LAGF Mexico 2016**



2. Acquisition of informatics equipment

Servers



Work Stations



Computers





International Geospatial Week

Mexico City

9-13 NOVEMBER 2015



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