## Capacity Development Working Group

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### Outline

- Background of our two groups
- Gaps
- Priorities
- Actions to strengthen training and education
  - Use of EO and GI
  - Management of EO and GI





## Background of our two groups

- Global UN-GGIM Academic Network supports UNGGIM aims and objectives to develop global geospatial information and promote its use
- <u>Regional UN-GGIM Academic Network Americas</u> supports global goals regionally, and is a forum for universities and educational centers involved in research and development of geospatial information and related topics
- <u>Global GEO Capacity Development Working Group</u> facilitates GEO's capacity development efforts, promotes the principle of co-creation, and provides conceptual support to the design, development, implementation, and evaluation of capacity development activities
- <u>Regional AmeriGEO</u> capacity building activities within the Foundational Activities Working Group provide annual training opportunities through AmeriGEO Weeks, and is launching the Academy of the Americas





## Gaps in the region

- **General:** lack of knowledge and use of resources, e.g. data and courses, and value to decision-makers
  - Caribbean: lack of knowledge, use and value of geospatial information and services, lack of continuity in programs with government changes, limited access to training
  - Central America: limited access to courses, insufficient courses in Spanish vs English, turnover of trained people, lack of continuity in public institutions
  - **South America:** some countries lack nation-wide internet, access to training, unconnected networks, insufficient academic institution participation
  - North America: limited internet access by rural populations and Native American communities, uneven use of geospatial information at local scales





## Priorities in the region - Capacity

#### • Thematic:

- biodiversity and ecosystems,
- Sustainable Development Goals,
- disaster management,
- water resource management,
- statistical data management,
- urban systems

#### Courses:

- new technologies and approaches for capture and analysis of geographic data,
- on understanding disaster risk and impacts to urban systems

Specific needs identified in AmeriGEO and UN-GGIM-Americas surveys:

- Integration of statistical and geographic information
- Platforms and analysis for satellite Earth observations
- Geo-services
- Spatial data infrastructure management
- Geographic data quality





## Priorities in the region - Development

- Co-develop specific scientific applications based on national and subnational government priorities
- Focus on specific strategic areas, e.g. the Corridor of the Eastern Tropical Pacific (CMAR)
- To elaborate inventories of resources and baselines of environmental systems,
   Greenhouse Gases, and climate risk analyses at national and local scales





## Actions to strengthen training & education

- Convert the CD Working Group into a <u>permanent</u> Working group or Committee
- Prepare a <u>TOR</u> for the new CD Working Group
- Develop a **needs assessment** for the four sub-regions
- Develop <u>projects</u> involving multiple countries with <u>common needs</u>
- Work with countries and groups that are developing <u>alternative data infrastructures</u> like data cubes
- <u>Create regional network of trainers</u> and offer training opportunities
- Build decision-maker awareness of value of EO and GI
- Collaborate with universities to increase and diversify knowledge
- <u>Leverage</u> GEO's flagships, initiatives and community activities, as well as its work on <u>data and</u> <u>knowledge infrastructure</u>

#### **Capacity Development**

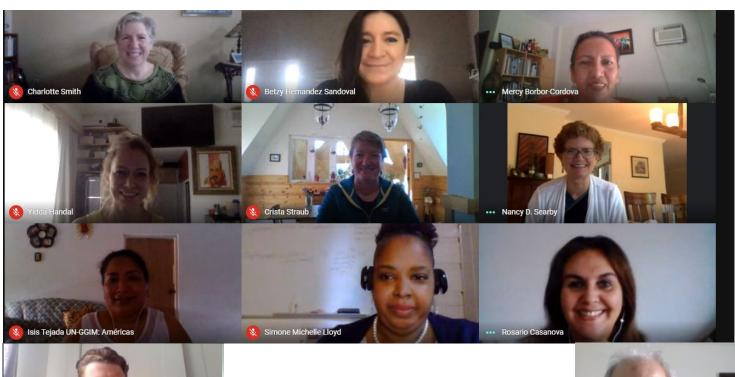
| Last Name      | First Name  | Position    | Organization           |
|----------------|-------------|-------------|------------------------|
| Casanova       | Rosario     | Co-chair    | UNGGIM-A-ANA           |
| Searby         | Nancy       | Co-chair    | GEO CD-WG and AmeriGEO |
| Hernandez      | Betzy       | Secretariat | GEO CD-WG and AmeriGEO |
| Beddow         | Christopher | Participant | GEO CD-WG              |
| Borbor-Cordova | Mercy       | Participant | GEO CD-WG              |
| Donoho         | Natalia     | Participant | AmeriGEO               |
| De Garmo       | Albert      | Participant | AmeriGEO               |
| Frazier        | Rich        | Participant | AmeriGEO               |
| Handal         | Yidda       | Participant | UNGGIM-A               |
| Juárez         | Jimena      | Participant | UNGGIM-A               |
| Lloyd          | Simone      | Participant | UNGGIM-A               |
| Smith          | Charlotte   | Participant | UNGGIM-A-ANA           |
| St. Clair      | Michelle    | Participant | UNGGIM-A               |
| Straub         | Crista      | Participant | GEO CD-WG and AmeriGEO |
| Valdiviezo     | Angel       | Participant | GEO CD-WG              |
| Urban          | Mark        | Participant | AmeriGEO               |

# Our working group





# Better together: Geospatial information for decision making in the Americas









Training and education collaboration

<u>is essential</u> to successfully ensuring implementation

of the work programs of

AmeriGEO and UNGGIM:
Americas