

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
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Background of our two groups

- Global UN-GGIM Academic Network supports UNGGIM aims and objectives to develop global geospatial information and promote its use
 - Regional UN-GGIM Academic Network Americas supports global goals regionally, and is a forum for universities and educational centers involved in research and development of geospatial information and related topics
 - Global GEO Capacity Development Working Group 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
 - Regional AmeriGEO capacity building activities within the Foundational Activities Working Group provide annual training opportunities through AmeriGEO Weeks, and is launching the Academy of the Americas
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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
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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
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Actions to strengthen training & education

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

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 is essential to successfully ensuring implementation of the work programs of AmeriGEO and UNGGIM: Americas