

## Results of Assessment of Satisfaction and Improvements of Caribbean Project

**Table 1.** Summary of the hours, instructors and participants of the workshops given from 2014 to 2018 in the framework of the Caribbean Project.

Workshops	Year	Headquarters	Hours	Instructors	Participants
Theoretical Course in Geodesy	2014	Mexico	40	4	27
Cartography	2015	Mexico	24	2	18
Geographic Information Standards	2015	USA	16	1	22
Geographic information metadata	2016	Cuba	16	2	21
Spatial Data Infrastructures	2016	USA	16	2	19
Use of Geodetic Equipment	2016	T&T	40	6	27
Forum on Disaster Risk Management	2016	BB	16	-	34
Classification of Land Cover using MAD-Mex	2016	T&T	40	2	28
Geo-portals and Geo-services with Mx-SIG	2016	Mexico	40	10	34
Geographic information systems	2016	Mexico	16	2	17
Geographic Data Quality	2017	Chile	16	2	24
Free Software Tools QGIS	2017	USA	16	1	19
Quality Control Land Cover Map	2017	Mexico	40	4	21
Statistical and Geographical Linkage	2017	Mexico	16	1	32
Geodetic Processing (UWI)	2017	T&T	40	1	3
Geoportals with Mx-SIG (UWI)	2017	T&T	40	1	5
Tools to build Indicators for the SDGs	2018	USA	16	9	39
Images GOES 16 and GEONET-Cast	2018	Mexico	16	4	23

**Table 2.** Percentage of requirements by the respondents for the development of capacities in relation to basic geographic issues.

Issues	Percentage
Geographical Information Analysis	70%
Geographic Database	70%
Geostatistics Data	60%
International Standards	60%
GIS Platform and Geo-Services	60%
Metadata	60%
Remote Sensing	40%
Geographic Information Systems	40%
Use of Software	30%
Geodesy	20%
Cartography	10%
Photointerpretation	10%
Photogrammetry	10%

**Table 3.** Rating given by the respondents, on the status of the components necessary for the development of an SDI.

Components of an SDI	Very Bad	Bad	Regular	Good	Very Good
Political Commitment	0%	20%	50%	20%	10%
Institutional Coordination	10%	30%	40%	0%	20%
Legal Framework	20%	50%	20%	0%	10%
Basic Data Sets	0%	20%	10%	40%	30%
Metadata	10%	30%	40%	20%	0%
Human Resources	10%	60%	20%	0%	10%
Capabilities	0%	30%	50%	10%	10%
Infrastructure	0%	30%	40%	20%	10%
Connectivity	0%	30%	30%	30%	10%
Software	0%	30%	30%	30%	10%
Open source	0%	20%	40%	30%	10%

**Table 4.** Rating given by the respondents, on the development of the strategic objectives of the Caribbean Project in their country.

Strategic Objective	Very Unsatisfactory	Unsatisfactory	Moderately Satisfactory	Satisfactory	Very Satisfactory
Strengthen of the geodesic network on the region	0%	10%	10%	30%	50%
Disseminate Geographic Data	20%	10%	10%	50%	10%
Promote Geographic Data use	10%	10%	10%	70%	
Building Capacities	0%	10%	0%	30%	60%
Use of Geographic Standards	0%	10%	10%	50%	30%
Updating Information Technologies	0%	30%	20%	30%	20%
Geographic Metadata	0%	10%	10%	60%	20%

**Table 5.** Rating given by the respondents, on the need to strengthen the development of strategic objectives in their country.

Strategic Objective	Very Unnecessary	Unnecessary	Moderately Necessary	Necessary	Very Necessary
Strengthen of the geodesic network on the region	0%	0%	20%	50%	30%
Disseminate Geographic Data	0%	20%	10%	30%	40%
Promote Geographic Data use	0%	10%	0%	50%	40%
Building Capacities	0%	0%	0%	30%	70%
Use of Geographic Standards	0%	0%	20%	30%	50%
Updating Information Technologies	0%	10%	10%	40%	40%
Geographic Metadata	0%	0%	10%	30%	60%

**Table 6.** Rating given by respondents on the level of difficulty in developing strategic objectives in their country.

Strategic Objective	Very Easy	Easy	Moderately Difficult	Difficult	Very Difficult
Strengthen of the geodesic network on the region	0%	20%	30%	50%	0%
Disseminate Geographic Data	10%	30%	40%	20%	0%
Promote Geographic Data use	0%	50%	40%	10%	0%
Building Capacities	0%	20%	40%	30%	10%
Use of Geographic Standards	0%	20%	30%	50%	0%
Updating Information Technologies	10%	40%	20%	20%	10%
Geographic Metadata	0%	40%	20%	30%	10%

**Table 7.** Rating given by the respondents, on the importance of training for their country in the general topics developed during the Caribbean Project.

Workshops	Very Unimportant	Unimportant	Moderately Important	Important	Very Important
Geodesy (1)	0%	10%	20%	40%	30%
Cartography (1)	10%	20%	0%	30%	40%
Use of Geodetic Equipment (1)	0%	0%	20%	30%	50%
Land Cover Map Classification (1)	0%	10%	20%	30%	40%
Land Cover Map verification (1)	0%	10%	20%	40%	30%
Geodetic Processing (1)	10%	10%	10%	40%	30%
Geographic Metadata (2)	0%	0%	30%	30%	40%
Spatial Data Infrastructure (2)	0%	10%	10%	10%	70%
MxSIG (2)	0%	10%	10%	30%	50%
GIS (2)	0%	20%	10%	20%	50%
Geo-portals and Geo-services with MxSIG (2)	0%	20%	0%	40%	40%
Geostatistical Data Use (3)	0%	10%	10%	30%	50%
Free Software Q-GIS (4)	10%	30%	10%	10%	40%
Geospatial Data Quality (4)	0%	10%	20%	40%	30%
Geographic Information Standards (4)	0%	10%	10%	40%	40%
UN_GGIM on RDD (4)	0%	0%	20%	50%	30%

**Table 8.** Rating given by the respondents, on the thematic areas of training in which your country requires further strengthening.

Thematic Areas	Very Unnecessary	Unnecessary	Necessary	Very Necessary
Competences to produce geographic data and cartography (1)	10%	40%	30%	20%
Integration, organization, and dissemination of GIS (2)	0%	10%	30%	60%
Use of Geospatial Information in decision making (3)	0%	10%	20%	70%
Transversal competences (4)	0%	30%	40%	30%

**Table 9.** Components with greater difficulty to develop once the AMEXCID fund is finished.

Components	Percentage
Political commitment	70%
Legal framework	70%
Institutional coordination	50%
Human resources	30%
Capabilities	30%
Connectivity	30%
Software	30%
Infrastructure	20%
Metadata	10%
Basic data sets	0%
Open source	0%

**Table 10.** Percentage of countries that have planned activities in their country in any of the 7 Strategic Objectives for the following 6 months.

Strategic Objective	Yes	No
Strengthen of the geodesic network on the region	70%	30%
Disseminate Geographic Data	60%	40%
Promote Geographic Data use	60%	40%
Building Capacities	90%	10%
Use of Geographic Standards	70%	30%
Updating Information Technologies	50%	50%
Geographic Metadata	60%	40%