



UN-GGIM:Americas

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



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X SESSION

UN-GGIM:

AMERICAS

October 18, 19 and 20 - 2023
Santiago de Chile, ECLAC

Activity Report

Gabriela García Seco North American Vocal

North American Subregion

Canada

United States

Mexico



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Objective

1

Monitor the activities of Member States of North American subregion regarding to the annual work plans of the Regional Committee.

- A** Survey on the status of implementation of the 9 Strategic Pathways of the UN-IGIF, requested by the WG-IGIF
- B** Survey on levels of geographical disaggregation, requested by the WG-ISGI



Canada



United States



Mexico



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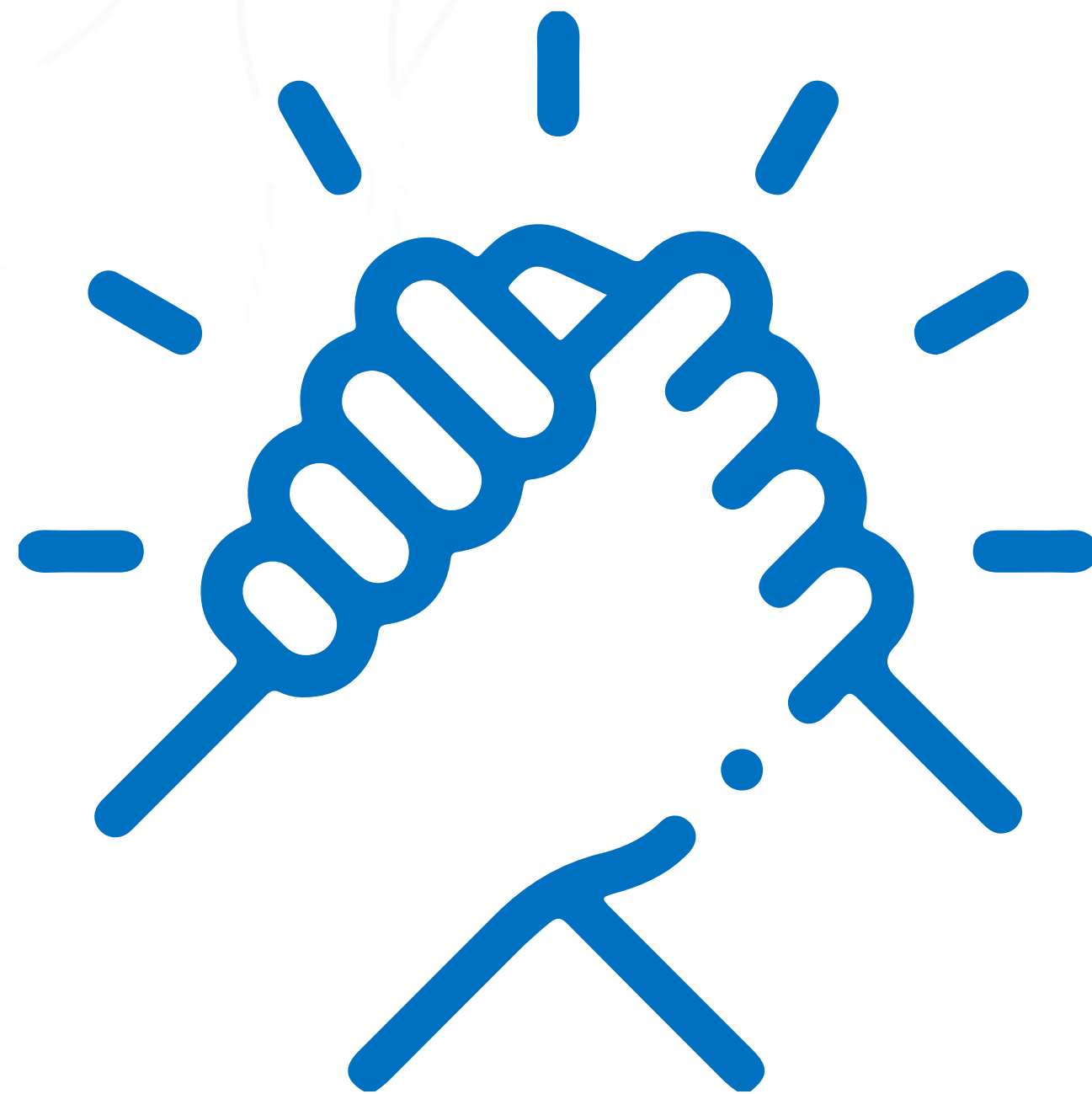
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Objective

2

Identify good practices of countries regarding the implementation of the Global Frameworks



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Mexico and Canada



Integrated Geospatial Information Framework IGIF



Global Statistical and Geospatial Framework GSGF



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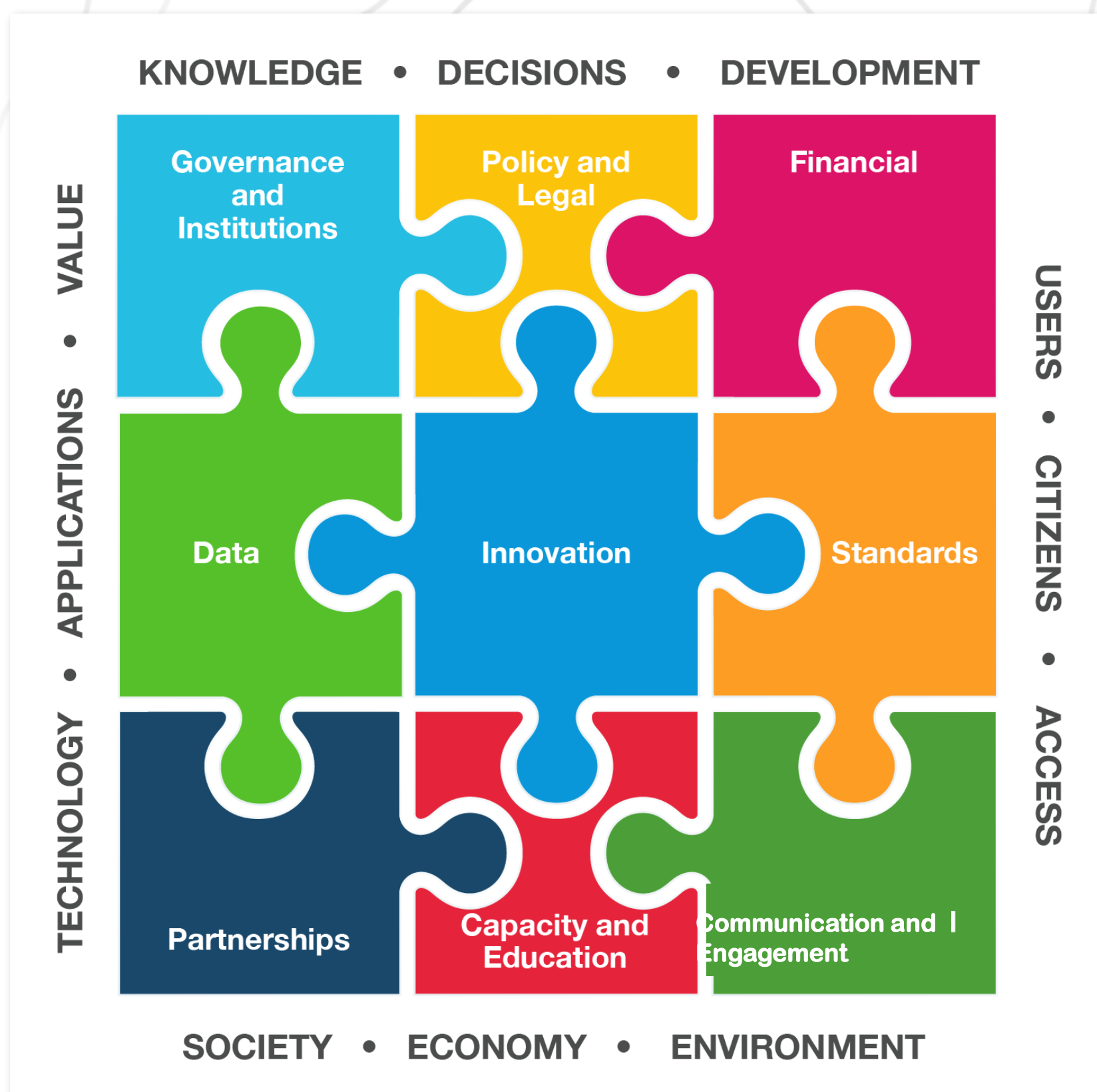
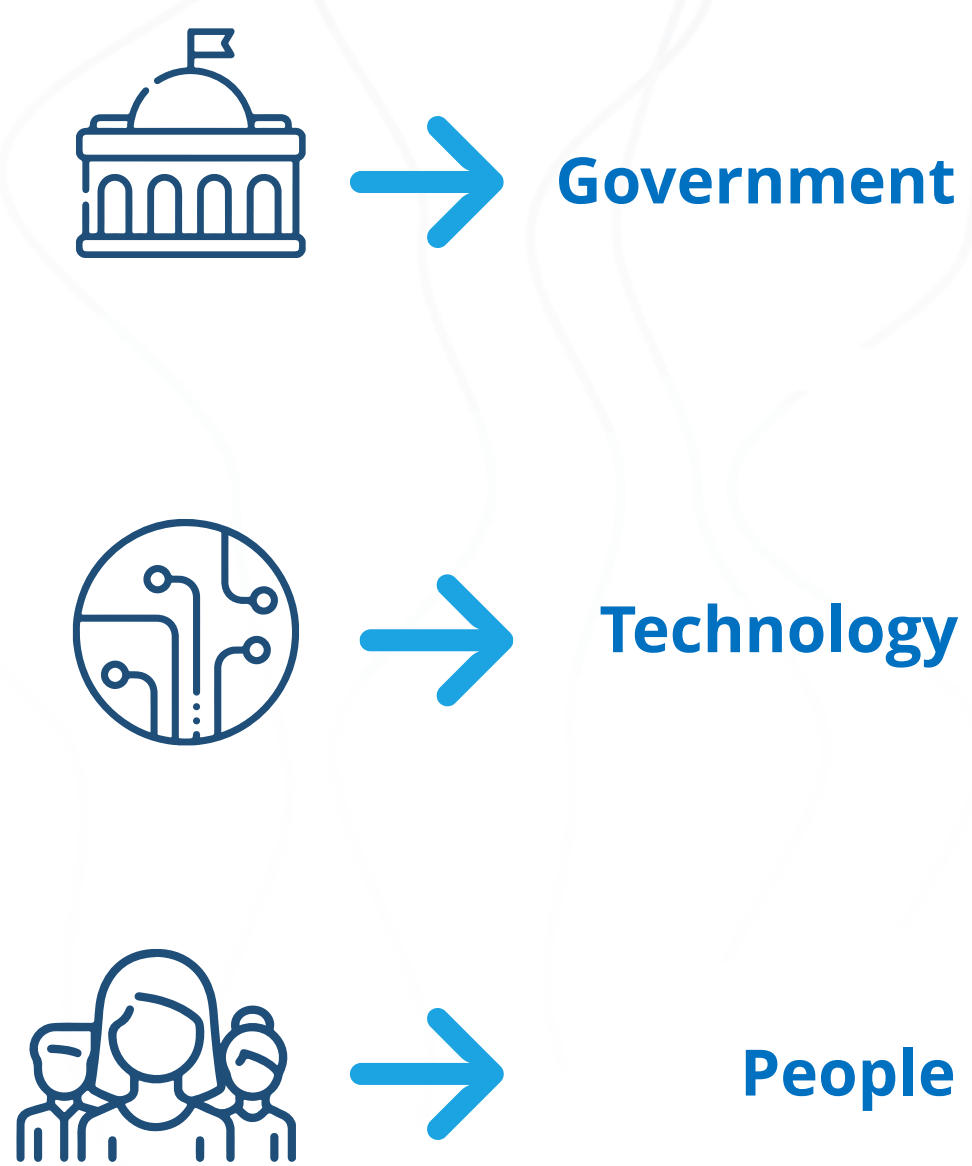


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This paper presents
OVERVIEW of the

NINE STRATEGIC PATHWAYS



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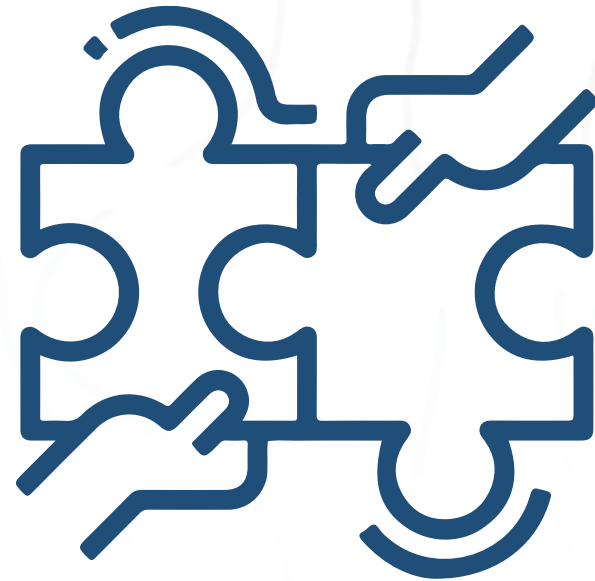
Mexico and United States in the High-Level Group

of the Integrated Geospatial Information Framework



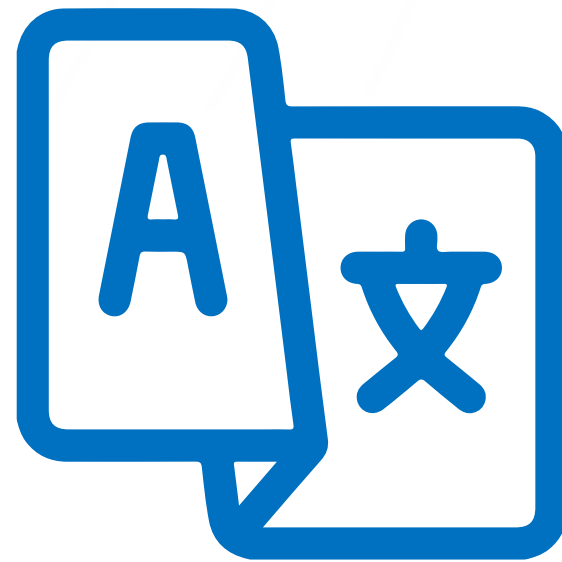
UN·IGIF
INTEGRATED GEOSPATIAL
INFORMATION FRAMEWORK

Activities carried out



Mexico & Argentina

Translate Integrated Geospatial Information Framework documents into Spanish



Canada

Translate Integrated Geospatial Information Framework documents into French



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A **virtual seminar** for the dissemination of **good practices** regarding the implementation of the Integrated Geospatial Information Framework (UN-IGIF) in the **countries of the Americas region**.



Webinar

“Implementation of the Integrated Geospatial Information Framework”

SECOND SEMESTER 2023



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ACTIONS

Seminar 1 “Use of fundamental geospatial infrastructure and geocoding”



KEYNOTE CONFERENCE
UNITED STATES



WITH USE CASE CANADA



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Objective

3

Promote new cooperation projects in the region



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Project “Strengthening Geospatial Capacities in the Caribbean”



Strengthen the ties of cooperation for the development of space sciences and applications of geospatial technologies in this subregion.



July 2022

A Memorandum of Understanding for this project was signed between stakeholders



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Mexico through the **National Institute of Statistics and Geography (INEGI)** invited Member States of **UN-GGIM: Americas** to participate in five different training workshops:

- Basic QGIS Course
- Vector QGIS Course
- QGIS Raster Course
- Basic QGIS Customization Using Python
- Advanced QGIS Customization Using Python



Taught from June to September 2023



Courses were taught remotely



Participants received a certificate

2023 work plan

Basic QGIS Course



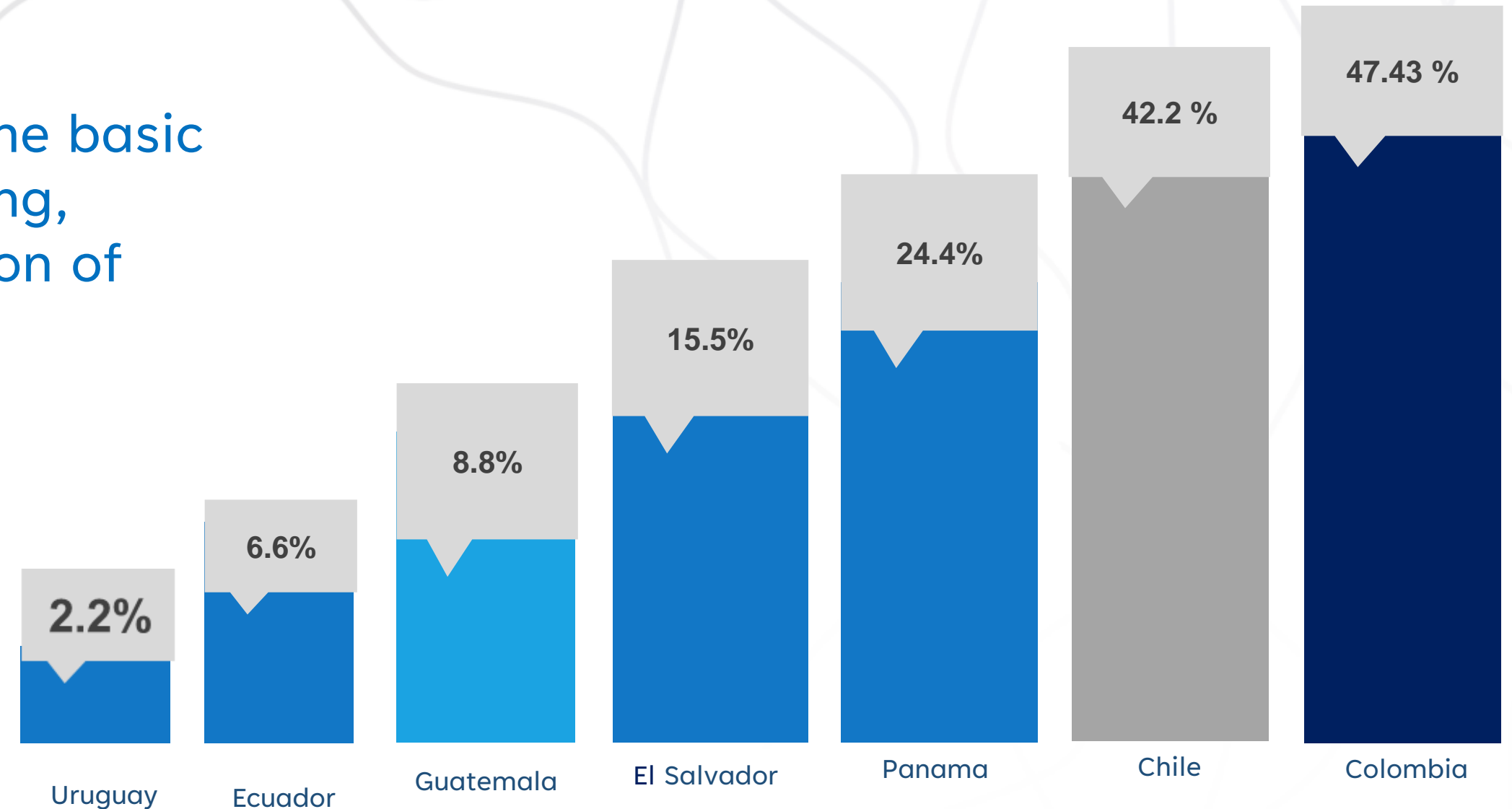
Objective: Participants learn to use the basic tools of QGIS for the treatment, editing, production, dissemination and creation of geographic information projects.



25 hours



84 participants



Percentage of participants by country



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Vector QGIS Course



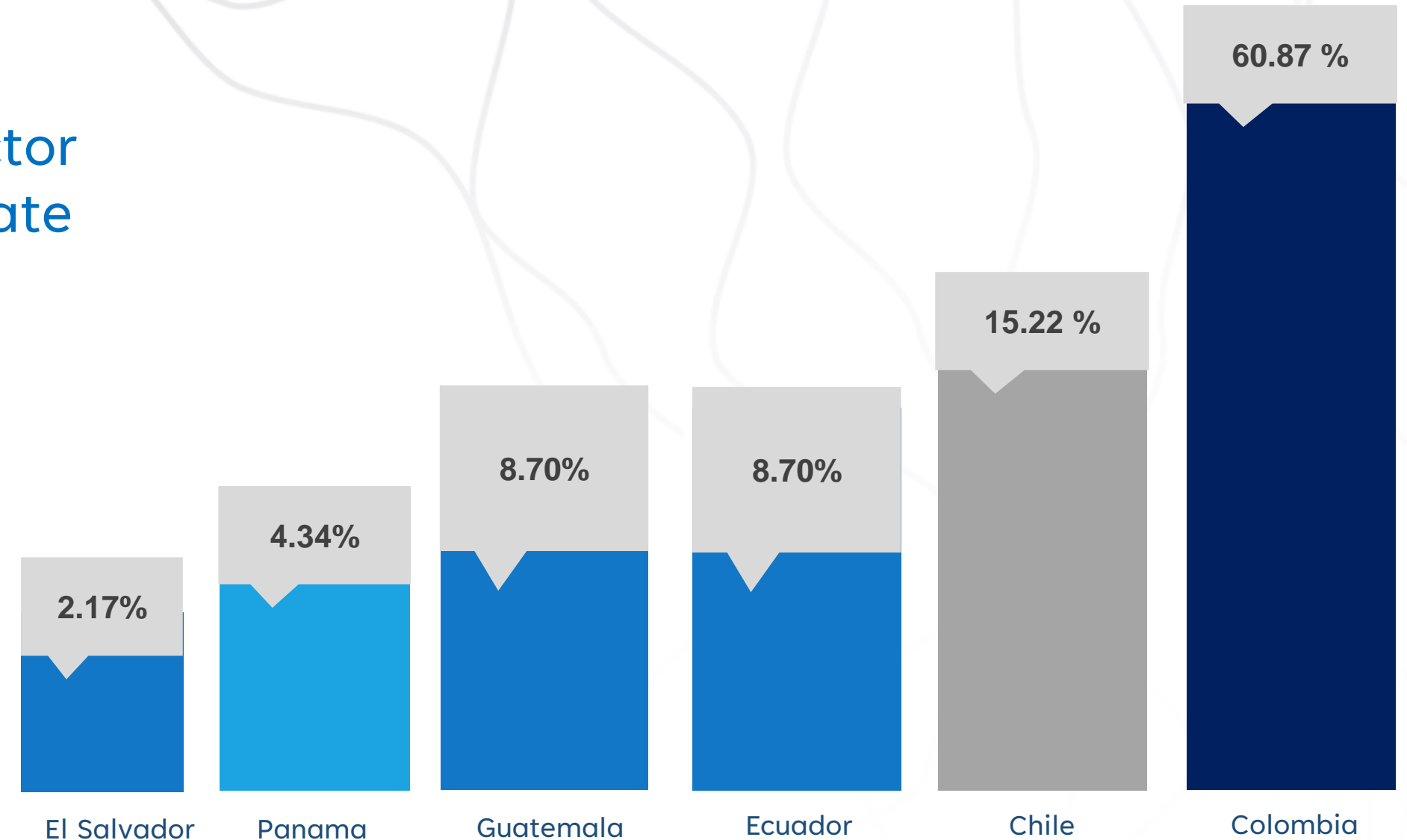
Objective: Participants learn how to use vector data to query, validate, analyze and automate vector information using QGIS tools for the purpose of generating geographic



20 hours



46 participants



Percentage of participants by country



QGIS Raster Course



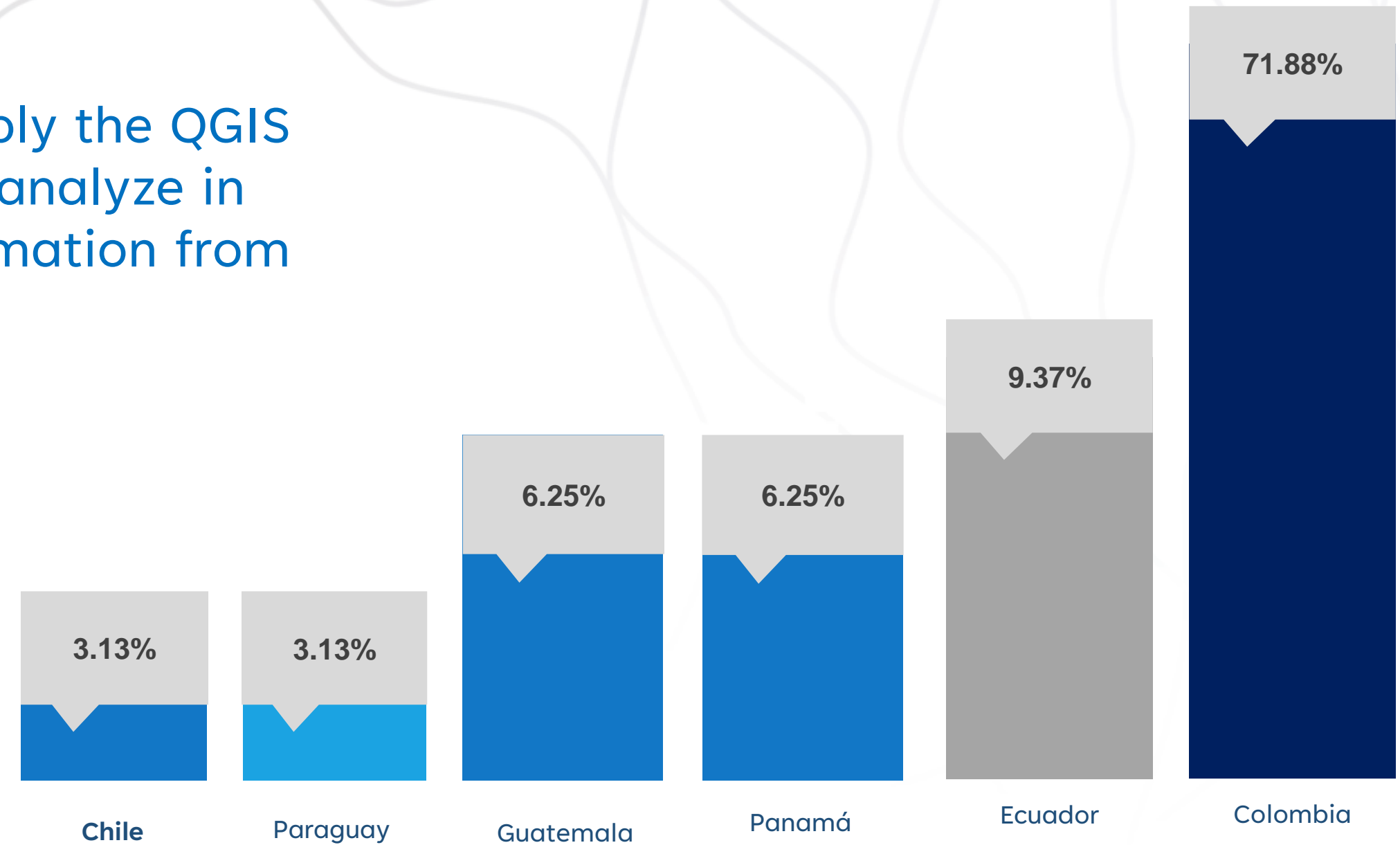
Objective: Participants learn to apply the QGIS tools necessary to query, validate, analyze in order to generate geographic information from raster data.



20 hours



32 participants



Percentage of participants by country



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Basic QGIS Customization Using Python



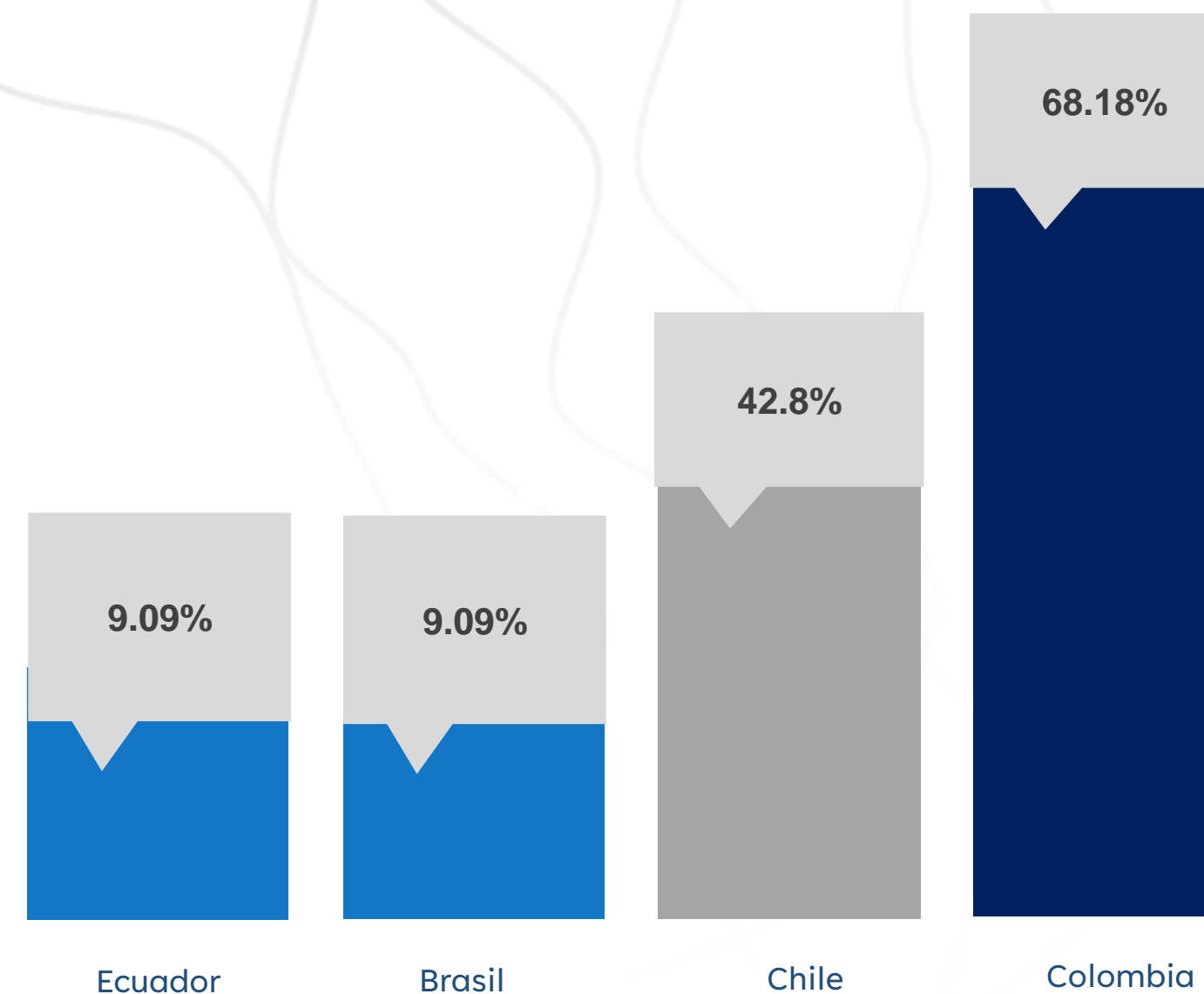
Objective: Participants will acquire the knowledge and skills necessary to automate tasks and processes in the QGIS Open-Source Geographic Information System using the Python language.



20 hours



22 participants



Percentage of participants by country

```
connectionBD ():  
    l.setConnection("IP_Server","port","database","username","pass")  
    = QSqlDatabase.addDatabase("QPSQL")  
    db.isValid():  
    db.setHostName("IP_server")
```



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Advanced QGIS Customization Using Python



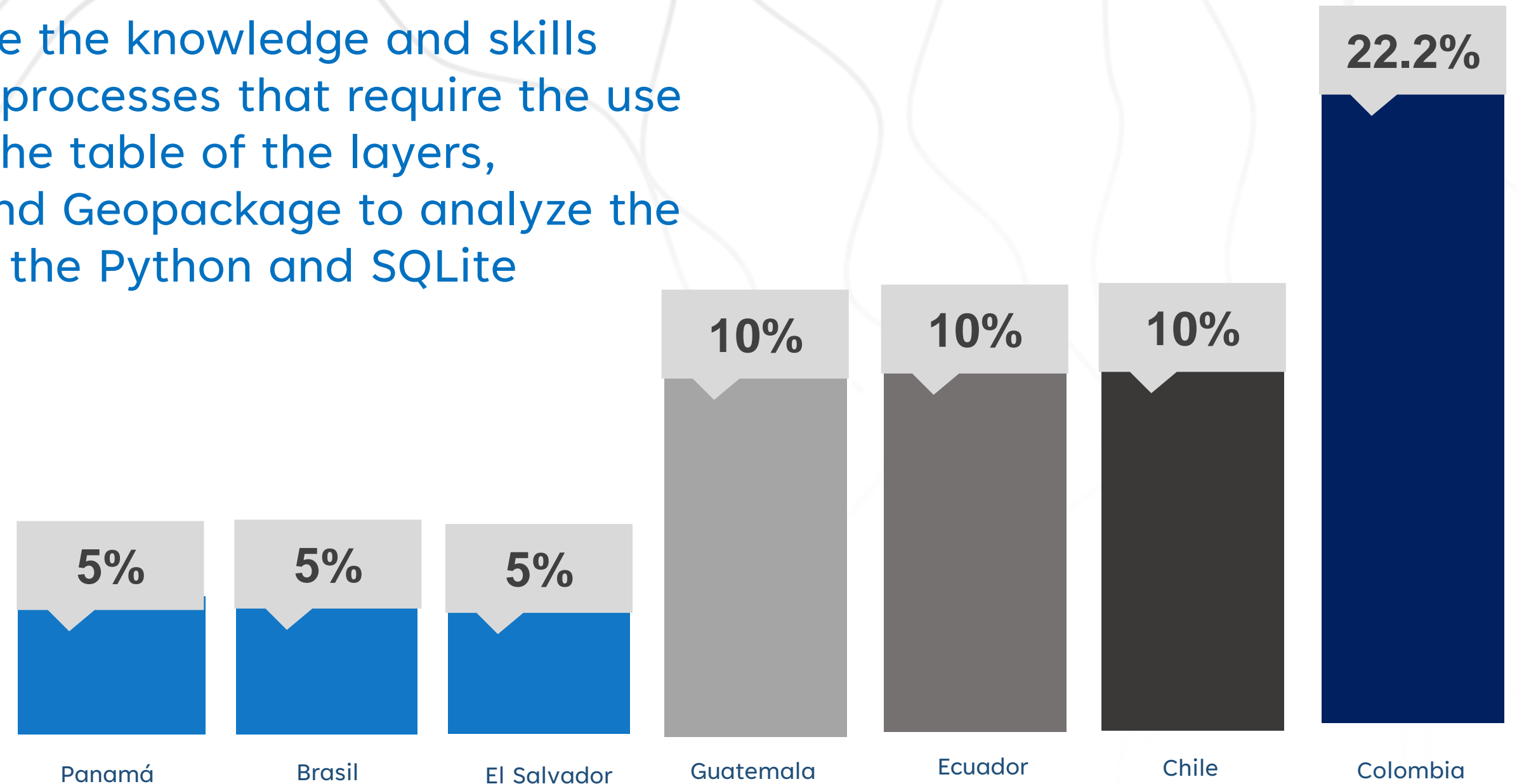
Objective: Participants will acquire the knowledge and skills necessary to automate tasks and processes that require the use of filters, modify the structure of the table of the layers, generate KML, shapes, Geojson and Geopackage to analyze the spatial information of these using the Python and SQLite language



20 hours



20 participants



Percentage of participants by country

```
6 filtro_expression = QgsExpression("\"CVEGEO\" = 'B1' OR \"CVEGEO\" = '141' OR \"CVEGEO\" = '142')
7 contexto_expression = QgsExpressionContext()
8 contexto_expression.setFields(layer_existente.fields())
9 filtro_expression.prepare(contexto_expression)
```



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Mexico and the United States in CARIGEO

In the **organization** and **implementation** of the activities defined in the current **work plan**.

The **first** face-to-face **workshop** in Castries, St. Lucia was to encourage and provide guidance for the effective management of **geospatial** information in support of the **region's** economic, social and environmental development priorities.



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Thanks



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