Science and Data for Climate Resilience Decision-Making

Name of the initiative: Moving Toward a Science- and Data-Based Approach for Climate Resilience Decision-Making

Duration: 2024-2030

Participating countries: All OAS member states

Objective: The Americas continues to be one of the most disaster-prone regions globally, putting its citizens at risk from natural hazards. Noticeable progress has been made in increasing the quantity and improving the quality of environmental data in the region. However, many critical data-related gaps and challenges still need to be addressed as we move towards a more evidence-based approach to decision-making. Some of these challenges include a lack of hazard, risk and other data sharing across ministries and the private sector. Also, outdated information, paper-based data collection, the lack of interoperability of data from different sources and databases, and limited use of data for decision-making continue to impact resilience strengthening. As we continue to build the agenda towards a more resilient region, we will focus on raising awareness and understanding of how science and data can shape climate resilience policies and programs.

Activities: Workshops/webinars to shape and share research; facilitate capacity building for data analysis and resilience planning; collaboration on joint research projects for practical solutions.

Cost and financing: Full program financing: US$500,000
Country contribution: US$50,000 (expected)

Request for partners:
- Additional financing
- Share data, scientific information, policies, and program information pertaining to climate resilience.
- Offer access to educational programs and specialized training on critical climate resilience.

Sub-topics

- Early Warning Systems
- Geo Spatial Intelligence
- Health Systems
- Energy
- Science and Technology
- Data Management and Integration
- Collaborative Risk and Resilience

Beneficiaries

- Governments and citizenry

Expected outcomes

- Strengthen the technical skills across governments to better interpret and analyze data for risk modeling and resilience planning.
- Improve multi-hazard early warning systems informed by multi data sources to integrate contributions from international and regional organizations and private sector.
- Develop knowledge hub to serve as repository for data resources and research publications.

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