

Resilient Housing and Affordability Assessments

Context and Objectives

The housing sector in Caribbean nations is often the most financially affected sector in the aftermath of natural disasters, such as was the case when hurricanes Maria and Irma struck the region in 2017. The vulnerabilities of the housing sector are exacerbated by increasing urbanization, which has had a major impact in Caribbean land and housing markets. The availability of quality and affordable housing has not been able to meet the demand as more people move to urban centers looking for better opportunities. The limited availability of serviced land is another significant contributor to skyrocketing costs that price out households looking for affordable housing. As a result, these households end up living in low-quality structures to meet their housing needs, making them especially vulnerable to natural disasters. This situation has created a need for a comprehensive reform of regional housing policies

This Technical Assistance (TA) supports the governments of Saint Vincent and the Grenadines, the Dominican Republic, and Saint Lucia in undertaking such reforms through a better understanding of the links between urbanization, supply constraints, housing affordability, and the increasing vulnerability of the housing sector to natural disasters. The objective is to support each government to undertake an analysis to address the situation, and to design roadmaps for further steps based on those efforts.

Main Activities

Activities carried out by the TA are organized into the following three components, with some variability for each country:

- **Component 1: Rapid Housing Sector Assessment:** This component is developed on field and desk research and through consultations with housing sector stakeholders including the government and private sector actors such as developers, builders, rental housing organizations, civil society, and microfinancing institutions. This analysis focuses on the following characteristics:
 - the strengths and weaknesses of the housing sector's principal features and actors;
 - the constraints inherent to the supply and demand in the housing market, and
 - the main government actors working in the housing market and their policies and programs.

This assessment will provide a detailed picture of the housing sector in all three countries by outlining the issues affecting housing and its current policies and programs (the assessment in the Dominican Republic will have a greater focus on the Santo Domingo region). Policymakers will use this assessment to inform their decision-making when proposing new policies for the housing sector that integrate greater affordability and resilience.

- **Component 2: Housing Stock Resilience Analysis:** This component follows a methodology successfully applied in Guatemala, Indonesia, Saint Lucia, Mexico, and Colombia to produce information that can be used to inform home improvement policies and programs. This methodology includes the use of high-resolution drone imagery for high density population areas and the evaluation of building characteristics using machine-learning algorithms, resulting in new datasets that will be uploaded and made available to the client. This component's outputs include:

- the collection of high-resolution aerial and street photography
 - a new geospatial database of building characteristics
 - a new web-based data visualization tool
- **Component 3: Retrofit Strategy:** This component informs resilient home improvement policies and programs. Using the findings and data collected under Component 2, the retrofit strategy provides guidelines and identifies possible actions based on building typology or the level of informality. The strategy provides recommendations to engage stakeholders so that they are active participants in the resilient housing program.

Results

This project is in its inception phase.

Partnerships and Coordination

Activities are discussed and coordinated with the EU delegation to ensure that they are in alignment with Component 2 of the Caribbean Regional Resilience Building Facility. Activities are implemented by the World Bank Urban and Disaster Risk Management Latin America and Caribbean team, in collaboration with relevant bodies of the governments of Saint Vincent and the Grenadines, Grenada, and Saint Lucia.

<p><u>Countries</u></p> <ul style="list-style-type: none"> ● Saint Vincent and the Grenadines, Grenada, Saint Lucia <p><u>Region</u></p> <ul style="list-style-type: none"> ● Caribbean <p><u>Caribbean Regional Resilience Building Facility component</u></p> <p>Adaptation Facility for Leveraging Investments in Resilience in the Caribbean</p> <p><u>Amount approved</u></p> <ul style="list-style-type: none"> ● \$800,000 <p><u>Duration</u></p> <ul style="list-style-type: none"> ● 06/2020-12/2022
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