

Implementing EbA-Measures in settlements with high risk for landslides in Monte Serrat, in Santos SP to enhance resilience of low income communities

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KC 4C30 and Globe G430



Potential Climate/ Disaster Impacts addressed and Justification for this Approach

The community of the Monte Serrat hill is very vulnerable to landslides. The land has been occupied without planning. The EbA-measures were carried out with the cities' Civil Defense and Climate Change Departments and with the community itself. According to the Climate Action Plan of Santos, they aim to reduce the risk of loss of lives and housing by relocating the population living in highest risk areas to nearby safer housings and recovering of the areas left and nearby still occupied areas with natural dense vegetation to stabilize the hill. As co-benefits the population will take part in the recovery actions, use the areas for traditional phytoterapics and offer guided tours for tourists. Public areas for leisure will be offered also.

Process of Implementation

The Civil Defense Department of Santos is very active on Monte Serrat and looks for solutions to the risk of landslides. Meetings were conducted with the community and trainings about gender equity, human rights and EbA-solutions with the public agents and with the community. Together the highest risk areas were mapped and criteria were established for the transfer of families to safer housings nearby with better infrastructure. Another discussion was the common use of the areas left that would be recovered with natural vegetation and how the community could benefit and care for them. The choice of species for the recuperation was discussed with the community, the city hall and a botanic specialist. There has been an intense exchange with neighbour municipalities to expand the approach to other, similar situations. The regional adaptation and resilience plan of the Metropolitan Region of Santos adopted the idea for 9 more cities.

Project Title

NAP Brazil - ProAdapta

Project Number

15.9060.3-001.00

Results and Impacts

The project has passed through an intense discussion and planning process, but has been interrupted by Covid19 Pandemic. It has been restarted in late 2022 and will be implemented and expanded to other similar situations in Santos and neighbour cities in 2023/24.



TYPE OF APPROACH

Implementation of technical solution



COUNTRY

Brazil



LEVEL OF INTERVENTION

city, neighbourhood



TYPE OF RISK MANAGEMENT

prevention, transformation



MAIN HAZARDS ADDRESSED

landslide



URBAN FUNCTION PROTECTED

Housing, public security/ civil protection



SPHERE OF INTERVENTION

socio-political sphere/ governance, economy, environment



RESOURCES REQUIRED

1 Senior project advisor, local staff mostly by the City Government, and technical advisors

COOPERATION PARTNERS

ProAdapta/GIZ, local government with several departments under the lead of Environment Department, University of São Paulo UNESP and ProAdapta-giz

LINKS

https://www.santos.sp.gov.br/static/files_www/files/portal_files/hotsites/pmma/cartilha_abe.pdf