

## Mapping accident and disaster sites with the support of volunteer civil protection and defense agents

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### ABSTRACT

The Municipal Secretariat of Civil Defense of Nova Iguaçu, aiming at community participation, in support of the prevention, preparation, response and recovery actions contained in the National Policy for Civil Protection and Defense, has been bringing the population closer to the municipality, which has more than half of its territory established in green areas, protected, many of them, by Conservation Units, whether of sustainable use or restricted use, where the role of the community is fundamental in supporting the actions. The creation and training of volunteer agents in civil protection and defense is essential for public safety, as well as for increasing people's resilience in the face of adverse incidents that arise, such as floods, floods and landslides or forest fires, in the rainy and drier seasons, respectively. The proposed research aims to develop a tool translated by a map of accident and disaster points, according to the GIS Geographic Information System, by neighborhoods that were affected by the rains, in the months of February and March 2024, having as a source of information and communication of the facts, those indicated by the volunteer defense and protection agents and civil defense of the Protection and Civil Defense Centers now officially established and that have its members registered in the Municipal Network of Servers, Volunteers and Friends of the Community. As a result, it meets the recommendations of Federal Laws 12,608/2012 and 14,750/2023 and to achieve the global goals of the Sendai Framework for Disaster Risk Reduction by 2030. The researchers will be the Secretariat's own specialist agents, who will methodologically be collecting data and preparing the proposed georeferenced mapping.

**Keywords:** Georeferenced maps, Volunteer agents of civil protection and defense, Center for Civil Protection and Defense.

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