



Operational assessment tool in civil protection and defense applied to the municipality of Niterói

Ferramenta de avaliação operacional em proteção e defesa civil aplicada ao município de Niterói

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1 INTRODUCTION

The Civil Defense that used to be called after a disaster for emergency actions, with the implementation of the PNPDEC in 2012, began to act initially in the disaster and post-disaster and with its update also started to include the pre-disaster, in a predictive action, with the installation of sirens, alarms, warnings and the training of volunteers, among other actions.

Therefore, as in maintenance, we no longer wait for failures to occur, but act in real time and the existence of continuous assessment tools is one of the real-time management methods, according to Santos (2022).

In Brazil, civil protection and defense is today a recognized and multidisciplinary profession, and is studied at various levels, technical and even scientific, as in the case of professionals who specialize at the Universidade Federal Fluminense in Rio de Janeiro in the *Stricto Sensu* Graduate Program in Civil Defense and Security), where the master's students present proposals for operational assessment in civil protection and defense, which are used by the academic world and, above all, in the professional world.

The purpose of the research presented in this article is to find out which of the several graduation conclusion works (TCC), according to UFF (2022), that were



approved between 2009 and 2022, can be applied in the Municipality of Niterói; diagnosing the best pertinence and cost-benefit in its application.

2 OBJECTIVE

To test one of the tools proposed within the course completion work bank of the Graduate Program in Civil Defense and Security at the Universidade Federal Fluminense (PPGDC-UFF), which can in fact be used for an evaluation of the continuous operational process for acting in pre-disaster, disaster and post-disaster situations.

3 METHODOLOGY

Through a qualitative, bibliographic, descriptive and documental research, within the bibliographies and norms that address the studied theme, the TCC approved in the PPGDC-UFF, from 2009 to 2022, that deal with evaluations of operational processes in civil protection and defense will be surveyed and selected, along with the PPGDC-UFF TCC database, and the most appropriate one to be applied, seeking to implement the methodology and the methods presented in the chosen TCC, in its respective niche, in the Municipality of Niterói.

4 DEVELOPMENT

The National Policy for Protection and Civil Defense (PNPDEC) establishes according to Brazil (2012), that civil protection and defense throughout the Brazilian national territory covers the actions of prevention, mitigation, preparedness, response, and recovery.

The proposed research will be based on the scientific production of content related to the evaluation of viable and effective processes in the operationalization of civil protection and defense.

The TCC will be separated by their targets and those with real applicability will be chosen, and among all those identified, the one that best applies to the Municipality of Niterói will be sought, through its own methodological criteria.

The latest disasters in Região Serrana/RJ in 2011; Mariana/MG in 2015; Brumadinho/MG and Angra dos Reis/RJ in 2019; Petrópolis/RJ and Recife/PE in 2022, have put civil protection and defense in national news, leaving the population today even more resilient and involved in a participatory manner regarding their actions, whether in normality or abnormality (RITA, 2022).



With this, the great professional area of Civil Defense has started to be evaluated and demanded in its performance by the population. On the other hand, the creation of tools that can evaluate the Civil Defense in its various niches, communication, action, planning, volunteering, become more and more necessary, even as a response to this population that discovered its existence through disasters.

According to Santos (2021), the Postgraduate Program in Defense and Civil Security at the Universidade Federal Fluminense (UFF) had its rules of procedure governed by its Internal Regulations and its main objective is to train human resources at the Master's level to meet the needs of the country in the development of policies, planning, and actions in the area of defense and civil security throughout the national territory.

In addition, the Master's Program in Defense and Civil Security (Professional Master's Course) is linked to the Pro-Rector of Research and Graduate Studies (Propp), which defines graduate policies and prepares, together with program coordinators, the general guidelines for graduate studies at the Universidade Federal Fluminense (UFF, 2022).

Through this master's program, national and foreign civilians and military personnel are trained, in partnership with various specialists, to "ensure greater coverage of assistance in the national territory, with improved quality and reduced response time of the public power, to disasters of great social impact" (SANTOS, 2021)

The Postgraduate Program in Defense and Civil Security of the Universidade Federal Fluminense (UFF) was, according to Santos (2021), "**the first Master's Course in Defense and Civil Security in Brazil**". It was recommended by the Coordination for the Improvement of Higher Level Personnel of the Ministry of Education (Capes/MEC) in 07/12/2006 and homologated by the National Council of Education (CNE), through Ordinance no. 73, published in the Diário Oficial da União (DOU) in 01/19/2007.

5 CONCLUDING REMARKS

Therefore, the Civil Protection and Defense that used to act after the disaster and in its evolution, started to be incorporated by the military firemen and other agents of civil protection and defense with training and preparation. Later on it started to involve the civil population, sometimes in schools, stimulating children and educators to develop a more resilient culture, sometimes in the communities, stimulating the Centers for



Protection and Civil Defense, that is, the actors foreseen in the PNPDEC as agents for civil protection and defense are diversified and need training.

The preparation through continuous and updated assessments is no longer an option and has become an obligation to the satisfactory performance of both agents and the population in imminent dangers and disasters. And it will be in this context that Niterói will be sought as a paradigm to be used operationally and that can also be used in similar cities and regions.



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