

The hydroelectrics on the Madeira River and the incidence of dengue hemorrhagic fever in Porto Velho

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With the current level of the humanity scientific knowledge, it is indisputable the relationship between the environment, space, and health. The various problems related to health and the environment in the State of Rondônia, in particular in the city of Porto Velho, are not new and it seems there is no provision to the end. The construction of large hydroelectric projects developed in the region, again, contributes to this statistic leaving the population vulnerable to the emergence of epidemics and endemias. Thus, this study aims to analyze the pattern of geographical distribution of epidemiological manifestations of dengue hemorrhagic fever in the city of Porto Velho in the period preceding the construction of hydroelectric plants by the year 2009, and the relationship with the appearance of old and new manifestations of the disease. Data collection was conducted through the information available in the program DATASUS and the results indicate a significant increase in reported cases of dengue hemorrhagic fever between the years 2007 (0 registered cases), 2008 (6 cases reported) and year 2009 (42 reported cases) in health care centers in the city. Thus it is evident that the environmental changes influence the epidemiology of this disease manifestation. Moreover, it is noteworthy that the intervention on the incidence of this disease will only be achieved by controlling the mosquito vector population through targeted measures in the domestic sanitation and education of the human population in order to eliminate or prevent the formation of mosquito breeding sites.

Biography

Daniel Delani is graduated in Biological Sciences from the Faculty of Education of Porto Velho and has postgraduate in Methodology for Higher Education and Curricular Innovations and in Environmental Management. He is currently Assistant Professor I of the Federal University of Rondonia.

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