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## Surveillance and Prevention Culicidae vectors - the Portuguese case

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**Introduction:** Dengue and Zika are considered a disease of the XXI re-emerging century are a major public health problems in the world, not only because it affects thousands of people, since the mosquito *Aedes aegypti* tends to reproduce in homes but also because it is considered one of the most important viral diseases transmitted by animals. In health surveillance Environmental Health Officers has its mission to analyze, prevent and correct the potential health risks. It is in this sense that environmental health is as important to end this disease, and in the meantime to prevent it does not affect human health.

**Methodology:** The study is based on data from DGS program and INSA, REVIVE, which verify the presence of mosquitoes and larvae that can cause contamination and diseases originating from mosquitoes, the analysis of these data and the other allows us to see the need for prophylactic care to have in our country, especially in Madeira, which, for its location and climate can foster the emergence of these.

**Results:** Samples and data collected by the REVIVE program did not detect the presence of the virus mosquitoes in continental Portugal, however climate change that Portugal crosses can cause the onset of mosquito vectors of carriers, so you want to public education for preventive measures can combat the proliferation of mosquitoes carriers.

**Conclusion:** Although there are no mosquitoes, educate the public for mosquito prevention measures is the most important think to prevent appearance of this vectors. Thus, this study provides a number of solutions to minimize the proliferation of mosquito vectors.

### Biography

Susana Paixão is a Environmental Health Specialist by Coimbra Health School (ESTeSC), has a honors degree in Environmental Health, a Master in Environmental Education and is a PHd candidate in Physical Geography. She holds a certificate of competence to perform the duties of Health and Safety at work Officer, she is a certified trainer and a accredited trainer of IGC Nebosh.

She worked as Environmental Health Officer at the Environment Ministry - Central Region Department and at the Health Pombal Local Authorities. Since 1999 she is professor in the Department of Environmental Health at ESTeSC. From June 2011 until May 2015 she was the Head of Environmental Health Department. Since June 2015 is the Coordinator for International Relations of Environmental Health Department at ESTeSC.

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