BayCEER Kolloquium

Lectures in Ecology and Environmental Research

Summer 2019

UNIVERSITÄT BAYREUTH

Thursday
23.05.2019
12:00 in H6, GEO

Prof. Dr. Carlos Valderrama

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Spatial modeling of cutaneous leishmaniasis in the Andean region of Colombia

American cutaneous leishmaniasis, produced by parasites of the genus *Leishmania* spp, is a zoonosis that affects people from rural areas in Colombia. Traditionally, it has been considered as a work-related illness associated with the intervention of peasants and settlers, opening an agricultural frontier and penetrating tropical rainforests. However, the most recent outbreaks of the disease in the center of the country (Andean zone) have shown important changes in the pattern of transmission of the disease affecting women and children in the domestic area. We have studied the effect of plant cover and the degree of habitat transformation on the diversity of phlebotomine vector species (Psychodidae) associated with domicile in five localities of the Andean region. We have focused on developing technological methods to identify areas of greatest risk of transmission through niche models of the main vectors and short-term field samplings.

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The lectures are an inter-disciplinary platform for students, junior and senior scientists. Abstracts and further information: www.bayceer.uni-bayreuth.de/kolloquium/