Abbreviated Biosketch for Proposed Members of the Guideline Development Group

Title:	PhD (Ecology)
First name:	Maria-Eugenia
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Current position:	Full Professor
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I am a vector biologist/ecologist with more than 30 years of experience studying the ecology and epidemiology of mosquitoes and the diseases they transmit (malaria and arboviruses). My malaria research focuses on understanding how entomological, parasite-related, sociological, and ecological factors drive the expression of the spatiotemporal dynamics of this parasitic disease in South America. Specifically, I have been working on disentangling the effect of local and global spatial variation on malaria infection in a heterogeneous environment, the role of local (rainfall) and regional (ENSO) climate factors, and landscape change (e.g., deforestation) on the long-term and short-term malaria dynamics in this region. During the last 5 years, I have studied how the changes in Land Cover (LC) patterns caused by mining activities in the Venezuelan Amazonian region affect the ecology of malaria and its vector species (increasing risk for this disease). Finally, I have served as an expert in entomology for the Carter Center, Task for Global Health, Mectizan Donation Program, PAHO and WHO. Currently, I am part of the National (Venezuela) Malaria Technical Advisory Group, with the purpose of advising the UNDP, the Global Fund and the Ministry of Health on technical and operational aspects related to malaria control in Venezuela. Since 2013, malaria in Venezuela has grown exponentially and since 2016 this country contributes the most to malaria reporting in the region of the Americas, jeopardizing the malaria elimination strategy of the countries, in particular, the neighboring countries. There are great challenges ahead for eliminating malaria by 2030, but Anopheles ecology and its control can provide many insights into how to meet these challenges beyond the current malaria tools. See below main contributions in Malaria
https://scholar.google.co.ve/citations?user=LSsl3wEAAAAJ&hl=en

* Please choose your primary affiliation and mention others in the bio.
*** Please briefly describe your current and recent professional positions (past five years) and education in 200 to 300 words maximum.