One Health: SummerClass in Field Epidemiology as a Tool for Continuous Training in Geohelminth Diagnosis and Control

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The SummerClass in Field Epidemiology aimed to promote the continuous training of professionals and students in Health and related fields through an integrated and innovative pedagogical approach. The course, divided into field and laboratory activities with data analysis between December 2024 and January 2025, combined theoretical classes, practical workshops, and debates, emphasizing active and collaborative learning. In the field phase, participants were trained to plan and carry out sample collection in two urban areas, obtaining fecal samples for the diagnosis of geohelminth infections and protozoa. Ovitraps were distributed to collect culicid eggs, especially from the *Aedes* genus, reinforcing the importance of vector surveillance for arboviruses. The participatory georeferencing platform “+Lugar” stood out as an innovative resource, enabling the precise localization of collection points and fostering collective participation in the construction of epidemiological maps. This tool, combined with the spatial analysis of collected data, allowed for a deeper interpretation of environmental and parasitological risks. The pedagogical aspect of the course was highlighted through scientific writing workshops, which equipped participants with the skills to communicate their results clearly and objectively. The adopted methodology, integrating theory and practice, facilitated the understanding of data collection, analysis, and interpretation processes, demonstrating the effectiveness of this educational approach for field learning. The results showed significant progress in participants' competencies, both in performing field epidemiology techniques and in critically analyzing data, reinforcing the importance of training that integrates interdisciplinary knowledge and collaborative practices. The SummerClass proved to be a transformative experience, preparing professionals to face the challenges of surveillance and disease control in an integrated and innovative manner.

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