## **National forum of Leptospirosis of Nicaragua**



## Identification of the driving factors for leptospirosis outbreaks in Nicaragua

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In her presentation Dr. Schneider talked about the methodology of the studies conducted in Nicaragua last year, through which it was possible to identify the different driving factors for the emergence of leptospirosis outbreaks. She explained how the risk stratification for leptospirosis was performed, starting from the criterion of productive zones that presented cases and of zones that did not, which enabled a final classification into three zones: critical, endemic and silent. She showed the results obtained with the involvement of other regions of the country in addition to those selected for the study.

Also, she highlighted that the most important finding was the relationship of soil type with critical areas as one of the driving factors for outbreaks; it was found that a combination of Cambisol soil type, of volcanic lava origin, and Andosol soil type, of volcanic ash origin, are the ideal environment for the longer survival of the bacteria.

She finished by presenting the importance of environmental and climatic factors in the emergence of outbreaks and the lack of studies with other methodological designs that can complement the ecological study analysis further.