

A SYSTEM FOR INTEGRATED DATA COLLECTION, INFORMATION ANALYSIS, AND MODELING

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The collection, collation, and analysis of the wide-range of complex data required to demonstrate impact and inform decisions is a huge challenge for coordinators of public interventions. For example, data required to create a high spatial resolution population map for a vaccination or sterilization campaign may be gathered in a variety of ways: by direct counts, demographic surveys, or extrapolation from other factors. These data often reside in disparate data repositories, and bringing these sources together into a single and usable format can be complex and divert valuable resources away from the primary task. The goal of Wise Monkey Foundation (WMF) is to build an integrated system to facilitate strategic guidance and decision making. WMF believes that a system to capture data, generate information, and provide knowledge to inform future efforts will improve intervention effectiveness. In collaboration with The Boyd Orr Centre for Population and Ecosystem Health at the University of Glasgow and the International Fund for Animal Welfare (IFAW), WMF is currently assisting two projects: the optimization of strategies for rabies mass vaccination programs and the monitoring and evaluation of community animal welfare projects, respectively. Both projects are generating large volumes of data and the first aim of WMF is to provide a system to securely and consistently capture these data in a way that supports effective analysis.