

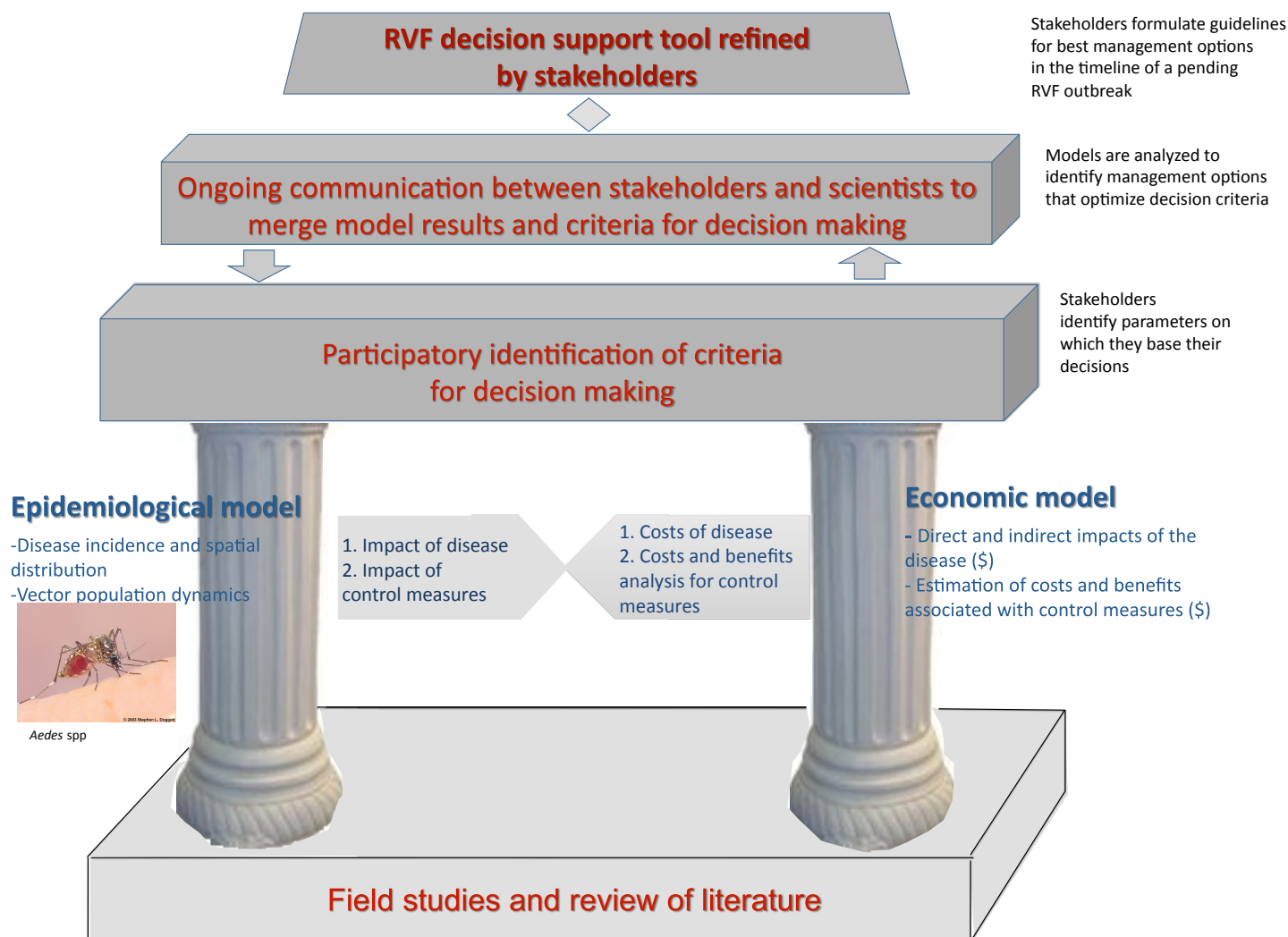
Development of an evidence-based Decision Support Tool for Rift Valley fever surveillance and control

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Improving Market Opportunities Theme



Background

Rift Valley fever (RVF), a viral disease of animals and humans, occurs in irregular but explosive cycles that make it difficult for governments to develop clear intervention strategies in the face of an outbreak after a period of no visible RVF activity (Martin et al. 2008). Inter-epidemic periods are characterized by a decline in the levels of awareness; resources are therefore shifted to other disease problems or more pressing problems. Recent work in Kenya by ILRI, UN FAO and the Department of Veterinary Services led to the development of a risk-based RVF Decision Support Tool that balances the level of investment in RVF prevention and control against escalating risk of outbreak (ILRI/FAO 2008). The tool will be refined further based on epidemiological and economic studies. This poster shows how key activities that will be conducted (field studies, epidemiological and socio-economic modelling and stakeholder consultations) will be inter-linked. The expected outputs of each activity are also indicated.



The *good* news is ...

The RVF decision support tool will allow for targeted surveillance and timely response to RVF epizootics; therefore, improved efficiency in the management of the disease.



And the *not so good* news is ...

Cattle, sheep, goats and camels with RVF virus are important sources of infection for humans; this research will identify effective ways of preventing the transmission of the disease.

ILRI/FAO. 2008. *Decision-support tool for prevention and control of Rift Valley fever epizootics in the Greater Horn of Africa. Version 1.* ILRI Guide pp. 28.

Martin, V., Chevalier, V., Ceccato, P., Anyamba, A., De Simone, L., Lubroth, J., de La Rocque, S., Domenech, J. 2008. The impact of climate change on the epidemiology and control of Rift Valley fever. *Rev. sci. tech. Off. Int. Epiz.* 27(2): 413-426.

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