Controlling bovine paratuberculosis at a regional scale: towards a decision modelling tool

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PII: S0022-5193(17)30429-0
DOI: 10.1016/j.jtbi.2017.09.012
Reference: YJTBI 9205

To appear in: *Journal of Theoretical Biology*

Received date: 28 June 2016
Revised date: 10 September 2017
Accepted date: 13 September 2017

Please cite this article as: Gaël Beaunée, Elisabeta Vergu, Alain Joly, Pauline Ezanno, Controlling bovine paratuberculosis at a regional scale: towards a decision modelling tool, *Journal of Theoretical Biology* (2017), doi: 10.1016/j.jtbi.2017.09.012

Highlights

- Efficacy of control strategies assessed using a metapopulation model of Map spread.
- Real data on animal movements used to describe trade links between holdings.
- Biosecurity and testing of traded cattle explored by analysing intensive simulations.
- Relevant combinations of control measures decreasing the regional prevalence identified.
- Paratuberculosis eradication on the midterm using available measures not achievable.