#### Adding space to FMD and AI models

Julien Arino

April 2023

► We now consider spatial spread

# Metapopulation model À la Levins

À la Levin

À la Levins À la Levin

#### Metapopulation models

À la Levins

A la Levin

Metapopulation models À la Levins À la Levin

IMA Journal of Mathematics Applied in Medicine & Biology (1997) 14, 1-9

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An analysis of foot-and-mouth-disease epidemics in the UK

#### A model à la Levin

Space is implicit: count infected herds

From: Foot-and-Mouth Disease: Current Perspectives. Edited by: Francisco Sobrino and Esteban Domingo

### **Chapter 13**

# Mathematical Models of the Epidemiology and Control of Foot-and-Mouth Disease

Mark E. J. Woolhouse

## Conclusion