

# Ústav botaniky a zoologie PŘ MU Vás zve

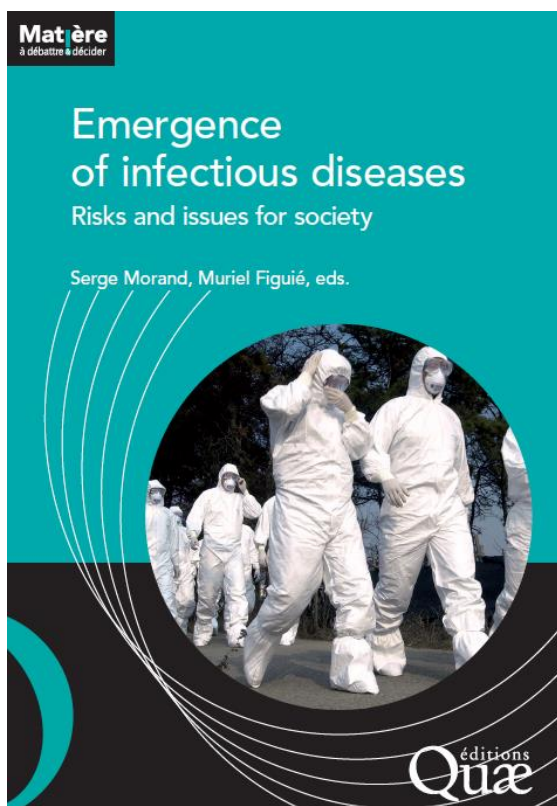
na přednášku programu INNOLEC

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## AN INTRODUCTION TO DISEASE ECOLOGY

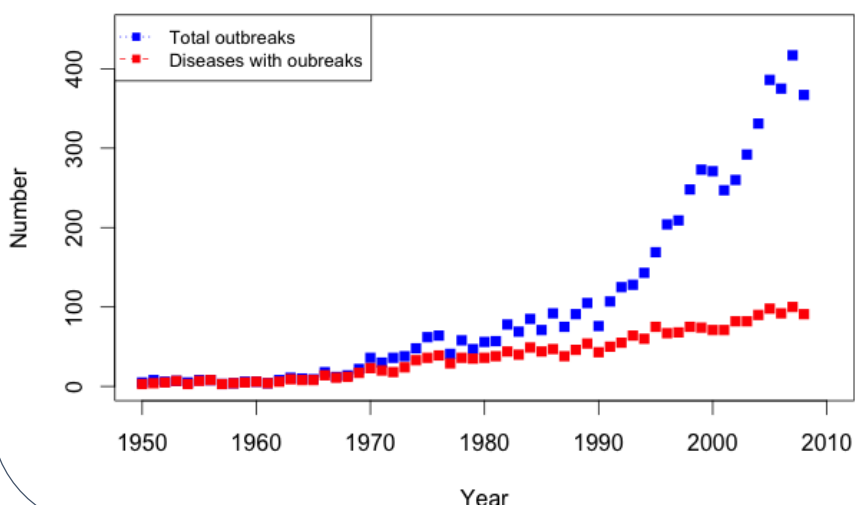
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*Disease ecology is quite a new disciplinary that investigates disease transmission within the ecological theater. Here, I start by defining several health frameworks such as One Health, EcoHealth, Global Health and Planetary Health. After, I will show how disease ecology contributes to these health frameworks using examples from zoonotic diseases at the interface between humans, animals and the environment. Lastly, I will advocate for using R as an open and collaborative tools to investigate disease ecology from phylogenetics, modeling, epidemiology to geographical mapping.*

**Increasing number of outbreaks and emerging infectious diseases**



**Increasing global outbreaks**

