







Modeling of human Exposure to Lyme disease Risk in a French forest Landscape

Vincent Godard and Kristell Méha, Chérif Benabderrahmane

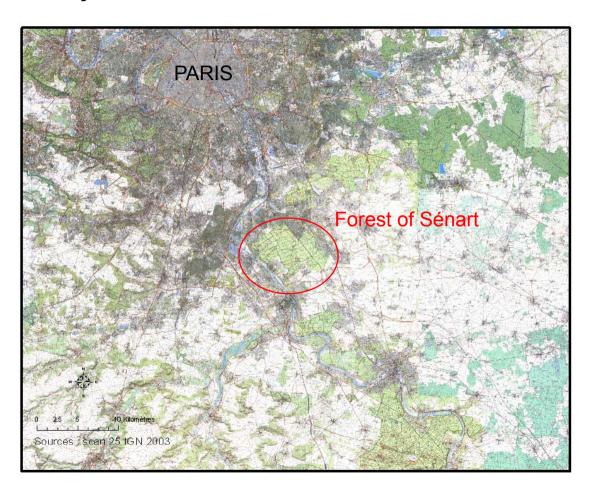


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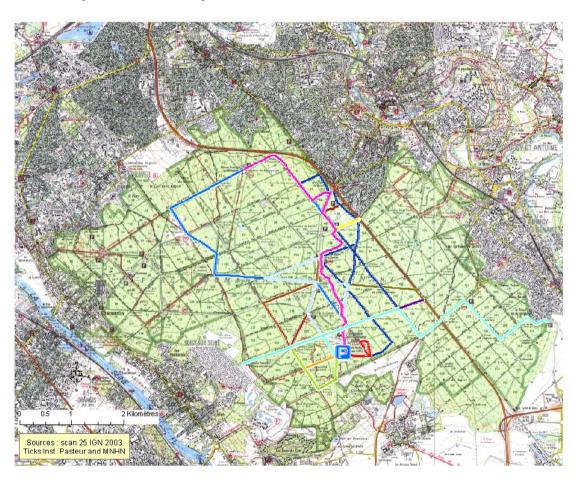




The Lyme Disease in a Periurban Context

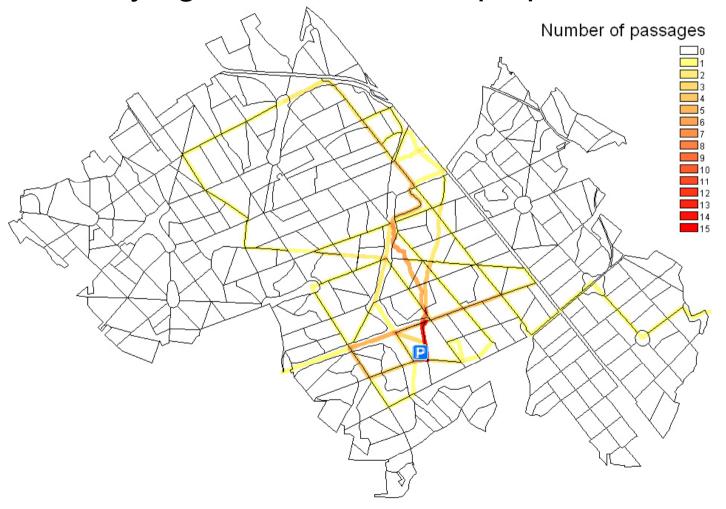


15 examples of paths in the Forest of Sénart



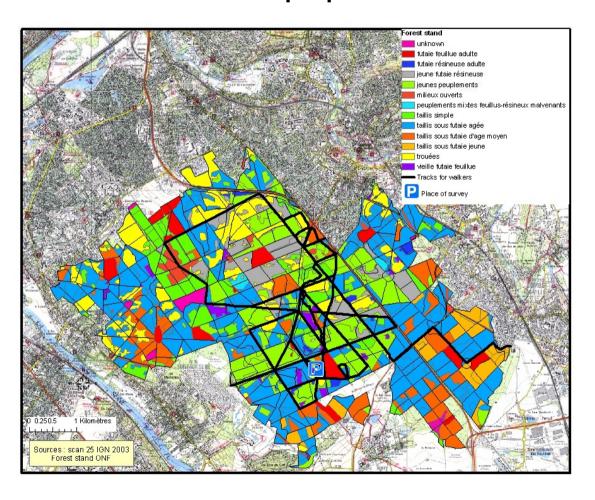


Quantifying the number of trips per section



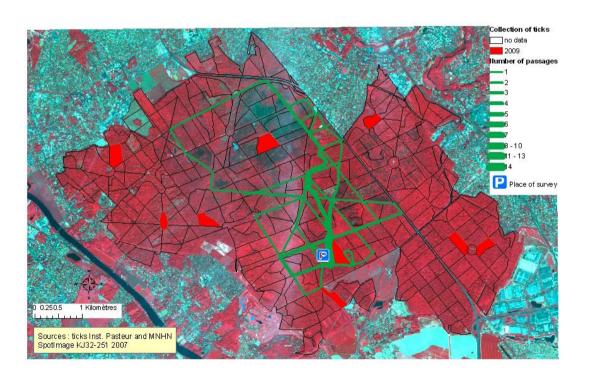


What are the most popular forest stands?



Are the ticky zones near most popular ways?

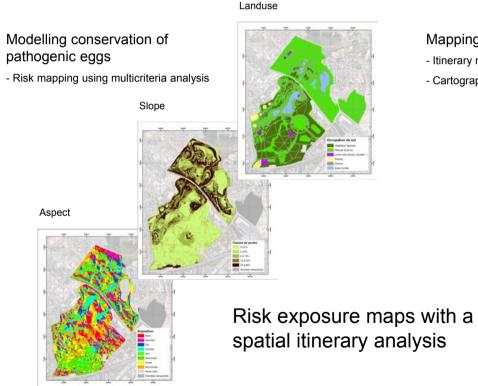
How to modelize the ticky zones?





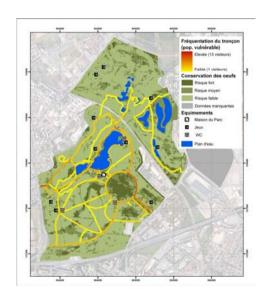
Modelling a health risk in La Courneuve park (northern Paris)

Combining landscape elements associated with echinococcus egg conservation and use of the public park by susceptible individuals



Mapping the itinerary of susceptible individuals

- Itinerary map of linear trajectories from survey data
- Cartographic synthesis of trajectories of individuals at risk



Source: BENABDERRAHMANE et al. – Modélisation d'un risque sanitaire dans le parc de La Courneuve. SIG2008 Conférence francophone ESRI, Versailles, 1er et 2 octobre 2008.

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Conclusion:

We would like to realise a large scale map of exposure at Lyme disease by modelling:

- Itinerary map of linear trajectories of individuals at risk (survey data)
- Relation between ticks and forest habitat

It would be interesting and necessary to enlarge this study at other periurban places.

We hope that this research into modelling will incite you to work with us! Thank you.

Vincent GODARD - vgodard@univ-paris8.fr

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