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Grande salle + visio

## **BETTER UNDERSTANDING THE LINKS BETWEEN WOLF DEPREDATION BEHAVIOR, CULLING AND DEPREDATION LEVELS WITH AN INDIVIDUAL BASED MODEL**

par

Oksana Grente,  
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- 👤 In France and elsewhere, assessing the use of lethal control to manage wolf attacks on domestic herds is technically difficult to implement in the field. It requires simultaneous analysis of the effects of lethal control on the wolf population and the repercussions of these effects on attacks.
- 👤 To properly assess the effectiveness of lethal control, we propose an individual-based model that simulates, on a small spatial scale, the interactions between wolf population dynamics, predation behavior and the management of attacks by lethal control. The model is based on strong assumptions about predation behavior, but it provides an initial insight into the effectiveness of lethal control in a specific simulated context.

## **USING CAMERA TRAPS TO ASSESS THE IMPACT OF LAND USE ON SCAVENGER COMMUNITIES**

par

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- 👤 Scavengers, i.e. species that consume animals that they did not killed themselves, are particularly abundant in natural ecosystems. Scavenging is a process that plays a major role in ecosystems and communities functioning, but its responses to current changes remain relatively unexplored. However, scavengers are very sensitive to human disturbance, and one of the principal causes of their decline is the reduction in their habitat resulting from land-use.
- 👤 We are using the case study of the Cerrado in Brazil, a biodiversity hotspot that has been largely deforested for agriculture and whose protection results in a mosaic of land-uses. Using baited camera traps, we are taking advantage of this landscape configuration to explore the structure of the scavenger community along a deforestation gradient.

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