



Mardi 7 octobre 2025, 11:00

Grande salle + visio

UNDERSTANDING THE COMPLEX LINKS BETWEEN EPIDEMICS OF INFECTIOUS DISEASES AND WILDLIFE ECOLOGY

par

Julie Louvrier, INRAE-ASTRE, Montpellier

- 🧑‍🔬 The emergence and spread of zoonotic diseases (an infectious disease that has jumped from a non-human animal to humans) are major challenges for global public health, amplified by complex interactions between domestic animals, wildlife, and human populations. The “One Health” approach provides an integrated conceptual framework that promotes collaborations, interdisciplinarity and the understanding of the complex links between human health, ecosystem health, and animal health.
- 🧑‍🔬 By adopting this approach, we can improve global public health and strengthen the sustainability of ecosystems and agricultural practices, while enhancing the resilience of socio-ecosystems to pressures such as deforestation and increasing urbanization, factors that favor the emergence of new zoonotic diseases. The emergence of epidemics and their spread at the interface between humans, domestic animals, and wildlife remain poorly understood. Research in animal ecology and epidemiology plays a crucial role in identifying risks at this interface and developing strategies for preventing zoonotic diseases.
- 🧑‍🔬 Understanding the mechanisms at play at this interface requires an integrative, multi-scale approach. This includes understanding individual wild animal movements as well as the spatial dynamics of wildlife populations and communities as a whole. In this talk I will present the perspectives of my new job in which I will highlight the importance of studying wildlife ecology in order to inform and prevent the emergence and spread of emerging infectious diseases.