



JEUDI 03 OCTOBRE 2024 / 11h30 **Jade VACQUIÉ-GARCIA**, Post-doctorante Université de La Rochelle

Spatial ecology and foraging of marine predators in polar regions – a case study of hooded seals (*Cystophora cristata*)

Polar regions are warming faster than average, resulting in structural ecosystem changes. In these regions, understanding how top predators such as marine mammals, considered sentinels of their ecosystems, responded to environmental changes in the past decades is essential to produce robust predictions about ecosystem resilience to climate-related changes. In this presentation, I will discuss some of my research on the impact of environmental fluctuations on the spatial ecology and foraging strategies of marine mammals in polar regions. I will specifically detail my last project, a long-term, species-wide meta-analysis in which we aimed at determining the relationships between environmental parameters and foraging locations of the two stocks of hooded seals, an endemic Arctic ice-associated seal, in the past 3 decades. We also investigated how this can be related to the demographic trajectory of the two stocks on one hand and to potential changes in diet over time on another hand. Finally, we used this knowledge to predict the evolution of their suitable habitat in the future given a global warming scenario.

> accès zoom

<https://umontpellier-fr.zoom.us/j/96426860643>
ID de réunion : 964 2686 0643

> prochainement



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Jeudi 10 octobre 2024 : Rajeev Raghavan, Kerala University of Fisheries and Ocean Studies (KUFOS)

"Aquatic biodiversity of southern peninsular India and its coastal waters: challenges and opportunities for conservation"

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