

Greta Lamonaca, IDP-Orléans: Mean Field Models in Spatial Ecology

mardi 13 mai 2025 17:00 (30 minutes)

In this presentation, we will qualitative explore the critical role of human decisions in biodiversity decline, focusing on the problem of fishing in a bounded domain using Mean Field Game (MFG) models in Spatial Ecology. We will combine reaction diffusion equations and MFG theory to model and analyze two fishing systems. We will focus on existence, uniqueness and long-time behavior.