Meeting with Lais + Courchamp Labs

INvacost and InvaPact

World wide economic cost of biological invasions

Parallels between my work and the work you are doing, many species acting over time…

Questions:

Scalability of our methods?

Limitations you see with proposed methods?

Possibility of advanced visualization and communication with our analysis?

Courchamp:

CNRS(national research institute) researcher at university but not teaching…

Biological invasion at the macroecological level

Standardized synthesis of ecological cost of biological invasions

Lab is 150 people, 7 teams, our team with 4 PIs

Lais:

2nd year postdoc

InvaPact the synsthesis

Protected areas impacted by biological

Research in Computer Science vs applied computer science…

Discuss and agree upon a topic and then submit it to the academic senate

Idiosyncratic and opaque

**Look at the international integration site!**

**- helps with the French system**

InvaPact:

Want to look at ecological impact which is much harder…

Standardization – workshop with many disciplines.

Extract the data for each using LLMs to construct Data base with all the data.

Investigate this massive database.

Most recent workshop left with 130 possible subjects to publish.

InvaCost:

Raise awareness of biological invasion and focus on economic cost because money talks.

**Gather all data and showcase it simply**.

Species specific and place… 78 papers + 150 people + ~40 countries

Need to see if I can be working in Ecology

Core project:

Project Specifics with Invacost

Find the cost for species not as common in the InvaCost dataset 10 major species (Rabbits, Rats and Pigeons examples.)

Construction of database

Local Large Language model to train, find and extract the data…

Need many parameters from the papers so we could discuss the AI.

Connect with InvaPact sometime…

Part time work is challenging in the time of studies.

5th international workshop in early November about InvaPact

Research best done at the water cooler.

Teleworking only if we agree upon in the contract.

They have an engineer who knows AI and is capable of Lais, museum and other + CentralSulpec

The internship is here to train to do research in the event you wish to do so…