

# ADRIEN GAY

PhD student at CIRED and Isterre - Normalien Physicist at ENS-PSL

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## EDUCATION

Master of biophysics  
ENS-ICFP - 2023

Environment and Society Minor  
ENS-CERES - 2023

Bachelor of physics  
ENS-Université de Paris - 2020

## PHD SUBJECT

This thesis project, conducted in collaboration with the Shift Project, focuses on the bioeconomic impacts of climate-induced land use changes. It aims to develop a "serious game" to assist decision-makers in formulating sustainable land use policies. The project involves integrating climate variables, studying their impact on bioeconomic dynamics, and analyzing policy instruments. It is co-supervised by Olivier Vidal and Lauriane Mouysset and conducted in collaboration with Isterre and CIRED, within a broader research framework involving experts in bioeconomic modeling and natural resource management.

## PROJECTS

Study of the resilience of international supply chains  
Internship 2023, IIASA, Austria

Internship at the National Assembly with Deputy Frédéric Valletoux

Work on the preparation of a report on the future and protection of French forests, 2023

UNFCCC Observer at the COP27  
Sharm El Sheik, Egypt, 2022

Study of the properties of RNA strands at LPENS in the team of Jean-François Allemand  
Research assistant engineer, Paris, CNRS, 2022

Machine learning on language models at LightOn  
Internship 2021

## OTHER ACTIVITIES

Civic services at the Paris Fire Brigade  
2022

Teaching Assistant for oral examination in physics at Institut Bossuet  
2022

## KEYS POINTS

Curious Motivated  
Creative Analytical

Mathematics Bio-Physics  
Complex systems Python  
Scientific Economics  
Evolutionary Anthropology  
Experimental Ecology Statistical physics  
Circuit and network dynamics  
Climate negotiations  
Population Evolution, Ecology & Epidemiology  
Paleo-Climate and Paleo-Environment  
Active matter and collective behaviour

## LANGUAGES

French (Native) ● ● ● ● ●  
English ● ● ● ● ●  
spanish ● ● ● ● ●

## OTHER CENTERS OF INTEREST

Responsible for the ENS Film Club  
French Literature  
Sports and Travel Trompetist in a brass band