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## EDUCATION

- 2023 – **Ph.D. in Economics**, Institut Polytechnique de Paris, CREST - École Polytechnique.  
RESEARCH INTERESTS: Environmental economics, International trade  
SUPERVISORS: Jean-Marc Bourgeon & Gregory Corcos
- 2021 – 2023 **M.Sc. in Economics**, Institut Polytechnique de Paris.  
HONOR: *summa cum laude*
- 2020 – 2021 **B.A., Applied Economics**, Université Paris Dauphine - PSL.  
HONOR: *summa cum laude*
- 2018 – 2021 **B.A., Cycle Pluridisciplinaire d'Études Supérieures (CPES)**, Paris Sciences & Lettres (PSL).  
Jointly offered with Lycée Henri-IV  
HONOR: *summa cum laude*
- 2018 **Baccalauréat**, Lycée Marceau, Chartres.  
HONOR: *summa cum laude*

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## RESEARCH

- **Agricultural productivity and biodiversity effects: theory and evidence**, joint with J.-M. Bourgeon & J. De Sousa.

ABSTRACT: Specialising on the most suitable crop allows to exploit comparative advantages, but it also amplifies the development and proliferation of pests due to concentration effects. We propose to explore this trade-off. First, we develop a probabilistic model for crop productivity which distinguishes between direct and indirect concentration effects. We then estimate the reduced-form equation provided by the model on a global scale using instrumental variables. To do so, we rely on detailed and geo-localised data on the potential productivity of land, as well as on actual agricultural practices. We notably exploit exogenous data on the suitability of land for a set of 37 crops to introduce novel instruments. Eventually, preliminary results confirm the existence of a trade off and demonstrate that crop diversity has a significant and positive impact on yields of monoculture-dominant crops such as wheat, maize and rice.

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## CONFERENCES & SEMINARS

- 2024 CREST internal seminar, PSAE internal seminar *In-person*  
USSEE 13th Biennial Conference *Online*

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## EXPERIENCE

- Spring 2024 **Teaching assistant**, École Polytechnique.  
PROFESSORS: Olivier Gosner & Jean-Baptiste Michau  
COURSE: Introduction to Economics (Cycle ingénieur, 1st year)
- Fall 2023 **Teaching assistant**, ENSAE.  
Professor: Gregory Corcos  
COURSE: International Trade (M.Sc., 2nd year)
- Fall 2023 **Teaching assistant**, École Polytechnique.  
PROFESSORS: Yukio Koriyama & Jean-Baptiste Michau  
COURSE: Introduction to Economics (B.Sc., 1st year)

2022 – 2023 **Research assistant**, CREST.  
PROFESSORS: Jean-Marc Bourgeon & José De Sousa

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## OTHER WORKS

- 2023 **Master thesis**, Master in Economics, Institut Polytechnique de Paris.  
“Home-field advantage? Evidence on the specialisation-biodiversity trade off in agriculture”.  
ADVISORS: Jean-Marc Bourgeon & José De Sousa.
- 2023 **Essay**, Master in Economics, Institut Polytechnique de Paris.  
“From birds’ stomachs to the top-5: in search of an economic case for biodiversity”.  
COURSE: Topics in the history of applied economics, Prof. Béatrice Cherrier.
- 2023 **Essay**, Master in Economics, Institut Polytechnique de Paris.  
“A +4°C world is not insurable: climate change resilience of agricultural insurance schemes”.  
COURSE: Catastrophic risks and insurance markets, Prof. Pierre Picard.
- 2021 **Bachelor thesis**, CPES, Paris Sciences & Lettres (PSL).  
“Efficacité technique des exploitations agricoles françaises et adoption de pratiques viables : les agriculteurs s’auto-sélectionnent-ils ?”.  
TUTORS: Gabrielle Fack (LEDa) & Clémentine Garrouste (LEM).

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## SCHOLARSHIPS AND AWARDS

- 2023 – 2026 **Full Ph.D. scholarship**, École Polytechnique.
- 2022 **Prize for best research internship**, École Polytechnique.
- 2021 – 2023 **Ph.D. Track scholarship**, Institut Polytechnique de Paris.

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## MISCELLANEOUS

- **Languages**  
French (mother tongue), English (fluent), German (basics)
- **Programming**  
R, Stata, L<sup>A</sup>T<sub>E</sub>X, GIS, Julia