

NICOLAS LEGRAND**250 Drillfield Drive, 301 Hutcheson Hall, Blacksburg, VA 24061, (USA)**

Birth year: 1990

540-557-8027/+33 6 35 31 52 24 – nlegrand90@vt.edu**website: <https://sites.google.com/view/nicolaslegrand>****Employment**August 2023 – **Research Assistant Professor**, Department of Agricultural and Applied Economics, Virginia TechSept 2021 – August 2023 **Visiting Research Scholar**, Department of Economics, Georgetown University
(On official long-term mission from INRAE)Sept 2017 – August 2023 **Permanent Research fellow** at the National Institute of Agricultural Research (INRAE)Jan-Sept 2017 **Postdoctoral fellow**, Empirical Economics Department, Toulouse School of Economics2013-2016 **Expert mission at the Oil Company Total**2011-2013 **Apprentice at the Climate Economics Chair** at the Europlace Institute of Finance (EIF):
Participation in the research programs of the **Agriculture, Food and Forestry****Education**Dec 2016 **Ph.D. in economics at Paris-Saclay University** (Paris Institute of Technology).**Title:** “Revisiting the competitive storage model as a tool for the empirical analysis of commodity price volatility”**Research Interests:** Commodity markets dynamics, agribusiness, financial markets,
price risk management and international trade2012-2013 **MSc in Energy and Environmental Economics** (Paris-Saclay University)2010-2013 **BSc in Agricultural and Environmental Engineer at Paris Institute of Technology for life, food and environmental sciences** (AgroParisTech)**Teaching**Spring 2025 **Fundamentals of Econometrics** (graduate), Virginia TechSpring 2018-2020 **Econometrics 2** (graduate) Master's in Economics, Sciences Po Paris (adjunct)Spring 2019 **Empirical energy and environmental economics** (graduate), ENSAI (adjunct)2014-2015 **Teaching Assistant at AgroParisTech**3rd year: Introductory lecture to the game theory basics4th year: Tutorials in microeconomics and lectures in macroeconomics on growth theory and labor markets**Publications****Refereed journals:** “The Role of Storage in Commodity Markets: Indirect Inference Based on Grains Data”,
(with C.Gouel); *Quantitative Economics* 16(2), 2025, 705-747.“War in Ukraine: The Rational “Wait and See” Mode of Global Food Markets”
Applied Economic Perspectives & Policy 45(2), 2023, 626–644.“The empirical relevance of the competitive storage model” by Cafiero et al. (2011): Replication,
Robustness and Extension”, *Applied Economic Perspectives and Policy* 45(3), 2023, 1493–1514.“The Empirical Merit of Structural Explanations of Commodity Price Volatility:
Review And Perspectives”, *Journal of Economic Surveys* 33(2), 2019, 639-664.“Estimating the Competitive Storage Model with Trending Commodity Prices”, (with C.Gouel);
Journal of Applied Econometrics 32(4), 2018, 744-763.**Working papers:** “Wheat Futures Trading Volume Forecasting and the Value of Extended Trading Hours”,
(with J. Janzen)

Work in progress: “Estimation of a Model of Price Discrimination in the Steel Market from Endogenously Sampled Data”, (with John Rust and George Hall)

“The Delaying Effect of Storage on Investment: Evidence from The Crude Oil Sector”,
(with A. Elgouacem).

Seminar and Conference Presentations

2023-2024: Track session at the AAEA Annual Meeting (New-Orleans, USA), Commodity & Energy Markets Association meeting (Boston, USA)

2022-2023: Purdue University, 6th CEBRA workshop for Commodities and Macroeconomics

2021-2022: Penn State University, Georgetown University, University of Illinois, Urbana-Champaign, UC Davis, North American Econometric Society Summer Meeting (scheduled), Commodity & Energy Markets Association meeting.

June 25-26, 2021: 7th Rimini Center for Economics Analysis Time Series Workshop

April 15-16, 2019: “NCCC -134: Applied Commodity Price Analysis, Forecasting, and Market Risk” (Minneapolis, USA)

April 4, 2019: Invited speaker in the lunch seminar at the Bank of Canada (Ottawa, Canada)

June 21–22, 2018: Invited speaker at the closing conference of the summer school « *Statistics for Energy Markets* » organized by Paris Dauphine University and EDF-Lab (Dourdan, France).

February 28 - March 2, 2018: International Conference on the Economics of Oil (Rio de Janeiro, Brazil)

Grants & Scholarships

Grants: Principal Investigator on “*Realigning Market Distortions to Achieve Sustainable Productivity Growth*” from “The Nature Conservancy” environmental organization – \$65,000. 11/15/2024 – 31/07/2025

co-PI (20%) on “*Exploring Bilateral Trade Modeling Linkages and Agricultural Exports and Emission Footprints from Future Agricultural Trade Scenarios*” (USDA, OCE) – \$460,000. 09/30/2024 – 12/31/2025

co-PI (20%) “*Evaluating U.S.-China Agricultural Trade and Benchmarking the Future Competitiveness of U.S. Agriculture*” (USDA, OCE/WAOB) – \$333,000. 09/30/2023 – 09/30/2025

Professional Service

Advising/Mentoring: Virginia Tech PhD students
Kiseok Shin (co-adviser, 5th year),
Ajit Khanal (co-adviser, 2nd year),
Yixing Zheng (co-adviser, graduate in 2024)

Master’s student:
Carina Gaz (Committee Chair, 2nd year of Master)

Commodity Investing by Students (COINS) program: Portfolio manager and advisor in trade meetings.

Skills

Languages: French: Native speaker
English: Fluent (Advanced level-C1 in the European Framework of Reference)
Spanish: good working knowledge (second language at school for 8 years)

Computer skills: **statistical programming languages** under R, Python, MATLAB, SAS software and Office automation software (Word, Excel, PPT...)

Tennis: Federal initiator diploma – instructor in the club ES Nanterre for players aged between 5 to 17.