

Antoine Leblois

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Current position

Researcher (CR, HDR) INRAE, Centre for Environmental Economics, Montpellier.

Previous employment

Post-doc, Institute for Environment and Sustainability (IES), Joint Research Centre (JRC) of the European Commission (2013 - 2014).

Post-doc, Laboratoire d'Économétrie, École Polytechnique (2012 - 2013).

AMID Fellow, University of Namur (2011 - 2012).

Education

Research supervision habilitation (HDR), Université de Montpellier, 2023. “Chocs, production alimentaire & conservation de la biodiversité dans les Suds” Committee: Sylvie Lambert (INRA), J-F Maystadt (FNRS), Tanguy Bernard (Université de Bordeaux), Julie Subervie (INRAE), David Mouillot (Université de Montpellier), Tutrice, Sophie Thoyer (Institut Agro), [[lien manuscrit](#); [lien présentation](#)].

PhD, EHESS (*École des Hautes Études en Sciences Sociales*), in CIRED lab (*Centre International de Recherche sur l'Environnement et le Développement*), 2012. “Organizational changes for sub-Saharan African agriculture: essays on cotton sector reforms and index-based insurances”. Committee: Catherine Araujo-Bonjean, Jean-Marie Baland, Jean-Charles Hourcade, Serge Janicot, Philippe Quirion (advisor), Katheline Schubert, Eric Strobl, [[lien manuscrit](#); [lien présentation](#)].

Master's degree (*Sciences Po*) in Environment, Sustainable Development and Risks, 2008.

Master's degree (*La Sorbonne*) in Macroeconomics, major: Labour Market, 2006.

Bachelor's degree (*École Normale Supérieure de Cachan*) in Economics, joined in 2003 (12th).

Publications

Work in progress

- “Evaluation of the impact of conservation policies in low income countries, with a particular focus on transdisciplinary projects in the South Western Indian Ocean”, 2025, with Karim Diallo (CERDI) & D. Keles (BETA).
- “Long run health impacts of plants diversity trends in Western and Central African countries”, 2025, with F. Mortier (Dev. & Sociétés, CIRAD), H. Sylla (CERDI), R. Nikiema et S. Desbureaux (CEEM).
- Environmental discrimination through urban planning: the case of French Traveler sites with Nicolas Mondolfo, Léa Tardieu & Philippe Delacote, *under revision (Nature Cities)*, [[working paper](#)].
- Do forest management plans reduce forest degradation and deforestation in the Congo basin ? With Marc Bouvier, Kenneth Hounbedji, J.S. Makack & Benoît Mertens, *submitted*.
- Rainfall shocks and deforestation in the tropics, with Giulia Vaglietti & Philippe Delacote.
- Does protecting marine resources impact terrestrial ecosystems? Evidence from locally-managed marine areas in Madagascar, avec J. Girard, S. Desbureaux, E. Lavaine & T. Razanakoto.
- The public management of price risk after a supply shock: storage vs. price floor, with Marielle Brunette & Julien Jacob (BETA), [[working paper](#)]*submitted*.
- The Great Green Wall, a bulwark against food insecurity? Evidence from Nigeria, with Pauline Castaing (CERDI), [[link working paper](#)][[link presentation](#)].

Articles in peer review journals

- Sébastien Desbureaux, Ibrahim Kaboré, Giulia Vaglietti, Peter Lindsey, Mujon Baghai and Ashley Robson, Philippe Delacote & A. Leblois, (2024) Collaborative management partnerships strongly decreased deforestation in the most at-risk protected areas in Africa since 2000, *PNAS*, [[link](#)].
- J. Jacob, A. Leblois, M. Brunette, (2024) An economic analysis of a storage policy after a storm occurrence in forestry, *Environmental Modelling & Assessment*, [link](#).
- Sébastien Desbureaux, Ibrahim Kaboré, Giulia Vaglietti, Peter Lindsey, Mujon Baghai and Ashley Robson, Philippe Delacote & A. Leblois, (2024) Collaborative management partnerships strongly decreased deforestation in the most at-risk protected areas in Africa since 2000, *PNAS*, [[link](#), [link data & replication](#)].
- J. Jacob, A. Leblois, M. Brunette, An economic analysis of a storage policy after a storm occurrence in forestry, *Environmental Modelling and Assessment*, 2024. [[link](#)].

- S. Desbureaux & J. Girard, A. Dalongueville D. Mouillot, R. Devillers, D. Mouillot, N. Jiddawi, L. Sanchez, L. Velez, L. Mathon & A. Leblois, (2024) The long-term impacts of Marine Protected Areas on fish catch and socioeconomic development in Tanzania, *Conservation Letters*, e13048, [[link](#), [lien données](#)].
- N. Berman, M. Couttenier, A. Leblois & R. Soubeyran, (2023) Crop prices and deforestation in the tropics, *Journal of Environmental Economics and Management*, 119, 102819 [[link](#)].
- Vaglietti, G., Delacote, P., Leblois, A. (2022). Droughts and deforestation: Does seasonality matter?. *Plos one*, 17(10), e0276667 [[link](#)].
- M. Brunette, J. Thomas, A. Leblois, 2022. The determinants of adapting forest management practices to climate change: Lessons from a survey of French private forest owners *Forest Policy and Economics*, vol. 135, 102662, [[link](#)].
- A. Leblois, Mitigating the impact of bad rainy seasons in poor agricultural regions to tackle deforestation *Environmental Research Letters*, 16, 054003, 2021, [[link paper](#), [link data](#)].
- J. Girard, P. Delacote, A. Leblois, Agricultural households' adaptation to weather shocks in Sub-Saharan Africa: What implications for land-use change and deforestation? *Environment and Development Economics*, 1-23, 2021 [[link paper](#), [link WP](#)].
- Creti, A., Delacote, P., & Leblois, A. (2021). Introduction: Special issue on weather and climate impacts in developing countries. *Environment and Development Economics*, 26(5-6), 429-431. [[link](#)]
- A. Leblois, T. Le Cotty & E. Maître d'Hotel, How might climate change influence farmers' demand for index-based insurance? *Ecological Economics*, 2020, vol. 176, 106716 [[link paper](#)].
- Koguia, W. N., Nonga, F. N., Madi, A., Leblois, A., & Laure, M. T. G., Perception of Climatic Change and Farmers' Decision to Adapt in the Sudano-sahelian Zone in Cameroon. *Journal of Humanities and Social Sciences Studies*, 3(10), 22-33, 2020.
- Forzieri, G., A. Bianchi, F. Batista, M-A. Marin-Herrera, A. Leblois, C. Lavalle, J. Aerts and L. Feyen. Escalating impacts of climate extremes on critical infrastructures in Europe, [[link abstract EGU](#), [link paper: proofs](#)], *Global Environmental Change*, 2018, 48, p. 97-107.
- Leblois, A., J. Wolfersberger & O. Damette. What has driven deforestation in developing countries since the 2000s? Evidence from new remote sensing data, *World Development*, 2017, Vol. 92, pp. 82-102. [[link paper](#), [pre-print](#)].
- A. Dragicevic, A. Lobianco and A. Leblois. An application of the Markowitz mean-variance model for forest planning to explicitly account of risk aversion in productivity-risk trade off, *Forest Policy and Economics*, 2016, Vol. 64, p. 25-34, [[link](#), [pre-print](#)].

- F. Kowmoski, A. Leblois & B. Sultan. Perceptions of recent rainfall changes in Niger: a comparison between climate-sensitive and non-climate sensitive households, *Climatic Change*, 2015, Vol. 64, p.25-34 [[link](#), [pre-print](#)].
- C. Delpeuch & A. Leblois. The elusive quest for supply response to cash-crop market reforms in sub-Saharan Africa: the case of cotton, *World Development*, 2014, Vol. 64, p. 521-537, previously *World Bank Research Working Paper* No. 5861. [[link](#), [pre-print](#)].
- Leblois, A., P. Quirion & B. Sultan. Price vs. weather shock hedging for cash crops: ex ante evaluation for cotton producers in Cameroon, *Ecological Economics*, 2014, 101, p. 67-80 [[link](#), [pre-print](#)].
- Leblois, A., P. Quirion, A. Alhassane and S. Traoré. Weather-index drought insurance: an ex ante evaluation for millet growers in Niger, *Environmental and Resource Economics*, 2014, Vol. 57, Issue 4, pp. 527-551 [[link](#), [pre-print](#)].
- Leblois, A., P. Quirion; Agricultural insurances based on meteorological indices: realizations, methods and research agenda, *Meteorological Applications*, 2013, Vol. 20(1), pp. 1-9. [[link](#)].
- C. Delpeuch & A. Leblois. Sub-Saharan African cotton policies in retrospect, *Development Policy Review*, 2013, Vol. 31(5), 617-642, [[link](#)].
- L'Assurance agricole indicielle en Afrique de l'Ouest, principes, premières réalisations et perspectives, with B. Muller, M. Sall, A. Baldé, M. Fall, P. Kouakou, et F. Affholder, 2013, *Agronomie Africaine*, Numéro spécial (6) sur les changements climatiques : 95 - 111, [[lien](#)].
- Vulnérabilité et adaptation de l'agriculture sahélienne au climat au sein du programme AMMA, with B. Sultan, A. Alhassane, B. Barbier, C. Baron, M. Tsogo, A. Berg, M. Dingkuhn, J. Fortilus, M. Kouressy, R. Marteau, B. Muller, P. Oettli, P. Quirion, P. Roudier, S. B. Traore and M. Vaksmann, *La météorologie*, 2012, Série 8, p. 64-72 [[lien](#)].

Contributions to edited volumes

- M. Brunette, J. Jacob, A. Leblois. Gestion du risque prix post-tempête en économie : comparaison entre stockage et prix plancher, 2025, *Revue Forestiere Française*.
- W. Nemekang, A. Leblois, F. Sikod, M. Ali, 2020. Stratégies d'adaptation aux changements climatiques des ménages agricoles de la zone soudano-sahélienne du Cameroun, *Cahiers du LAREM*, Vol 4 (1).
- Roudier,P.; Kane, C.; Leblois, A.; Sultan, B.; Weber, S. 2018. Deux exemples de stratégies de gestion du risque agricole en Afrique de l'Ouest : services climatiques et assurances indicielles, [[lien publication](#)] [[lien pre-print](#)].
- Point de vue sur des enjeux contemporains choisis en économie de l'environnement : Données et pluridisciplinarité. [[lien](#)], INRA sciences sociales, N° 3/4, 2018.

- Remote-sensing evidence about national deforestation rates in developing countries: what can be learned from the last decade. *Earth Systems and Environmental Sciences*, edited by Scott Elias, Global Change section editor : Dominick DellaSala, 2017.
- Les assurances agricoles fondées sur des indices météorologiques, with P. Quirion, in V. Ancey., B. Dedieu, M. Antona, I. Avelange, G. Azoulay, I. Darnhofer, B. Hubert and B. Lémery. 2013. *Agir en Situation d'Incertitude*, ed. Peter Lang, col. Eco Polis, vol. 17.
- Assurances, aléas et risques, with B. Muller, in *Le développement durable à découvert*, Sous la direction de Agathe Euzen, Laurence Eymard Françoise & Gaill, CNRS édition, 2013.

Proceedings and reports

- Projet MOBINTER, rapport final, APR TEES : Transitions Ecologiques, Economiques et Sociales (ADEME), Mobilisation de bois en forêt privée : Rôle des caractéristiques individuelles et territoriales, Mihai Tivadar (INRAE, LESSEM), Julie Thomas (CNPF), Claire Bastick (IGN), Antoine Leblois (INRAE, CEE-M), Antoine Colin (IGN), Sylvain Caurla (INRAE, BETA).
- Contribution to "Les territoires littoraux et côtiers face au changement climatique, Coordination H. Rey-Valette, Yann Balouin et Rutger De Wit, cahiers du RECO (réseau d'expertise sur les changements climatiques en Occitanie) sur le changement climatique.
- Weather-index insurance for a cash crop in a regulated sector: ex ante evaluation for cotton producers in Cameroon, in The challenges of index-based insurance for food security, *Proc. of the JRC/IRI workshop*, JRC, Ispra, 2 and 3 May 2012. EC/JRC Scientific and Technical Reports Series, 2013, with P. Quirion & B. Sultan. [[link](#)].
- Resilience of large investments and critical infrastructures in Europe to climate change, Final report for DG CLIMA (EU), 2015, with 'Floods' and 'Land use' teams at JRC, [[link](#)].
- Review of economic instruments in risk reduction, Report for ENHANCE (Enhancing Risk Management Partnerships for Catastrophic Natural Disasters in Europe) project WP 5, 2015, with Michel Koehler (PCC), Reinhard Mechler (IIASA), Wouter Botzen (IVM), Swenja Surminski (LSE), Manuel Pulido Velazquez (UPVLC), Adriana Keating (IIASA), Junko Mochizuki (IIASA), Maria Manez (HZG), Roger Cremades (HZG) and Jim Hall (UOX), [[link](#)]

Permanent WP / unpublished work

- Forest owners and managers preferences (risk, time and their potential interaction): does it impact silvicultural practices ? (FOREST-TRIP project)
- Deforestation in RDC: how do logging concessions concentrate deforestation ?, with Margaux Vinez (PSE) and Ameet Morjaria (Northwestern U.).

- Effectiveness of weather index-based insurance for smallholders in Ethiopia, with Federica Di Marcantonio and Wolfgang Göbel, 2015.
- Food security impact of remote-sensed index-based insurance for herders (IBLI) in Kenya, with Federica Di Marcantonio and Nathaniel Jensen, 2017.
- Endogenous wage returns to training in African manufacturing, with C. J. Nordman, *SSRN working paper*, 2008 [[link](#), [link paper](#)].

Non-academic publications / Media coverage

- Collaborative management partnerships in African conservation [INRAE press release](#) (fr) / [Liberation](#) article d'Olivier Monod (Libé, fr) / [RFI article](#) (fr) / [France Culture podcast](#) / [Frande Inter podcast](#) / [Actu-environnement](#), le chiffre du jour / [Review de Mongabay](#), par Yannick Kenné (fr) / [Anthropocene magazine](#), by Warren Cornwall, (in Eng.), Jan. 2025.
- Tanzanie : comment les aires marines protégées transforment l'économie locale sur le long terme, [Mongabay review](#) (Eng.) / [INRAE news](#) (Fr.) / [IRD le Mag](#) (Fr. / Eng.) / [The conversation](#) (fr), Sept. 2024
- The conversation (french) 6 [papers](#):
 - En Tanzanie, les aires marines protégées bénéficient à l'économie locale, Antoine Leblois; Julia Girard; Sébastien Desbureaux, 10 décembre 2024.
 - Grâce à la Grande muraille verte, une meilleure qualité de vie dans le Sahel ? Antoine Leblois, 24 mai 2023.
 - Comment les sécheresses influent sur la déforestation, Giulia Vaglietti; Antoine Leblois, et Philippe Delacote, 14 mars 2023.
 - Le changement climatique va-t-il nous priver d'assurance ? Marielle Brunette; Antoine Leblois et Stéphane Couture, 20 octobre 2019.
 - Déforestation au Brésil : que fait vraiment la France ? Antoine Leblois; Philippe Delacote et Julia Girard, 11 septembre 2019.
 - Hétérodoxes contre orthodoxes : zéro partout chez les économistes, Philippe Delacote; Antoine Leblois et Serge Garcia, 28 novembre 2017.
- Les (potentiels) bienfaits socio-économiques des aires marines protégées, A LUM LA SCIENCE #1, UM / Divergence-fm, 15 oct. 2021. [Link to the podcast](#).
- Gazette de Montpellier : On sous-estime les effets du dérèglement climatique, (numéro spécial inondations, fr.), oct. 2020. [paper](#).
- Euractiv [online article](#) about a session at *Agricultural Risk Management Chair* conference, Feb. 2018.

- Interview for an [actuary periodical](#): *l'Actuariel* of June 2012, on climatic risks.
- [Article](#) about policy options for cotton in Western Africa, *The Guardian* for development professionals in 2014, (with C. Delpeuch and B. Shepherd)
- IRD [scientific news report](#) and *Sciences au Sud* article in 2013 about the future of cotton cultivation in Cameroon (with E. Gerardeaux and B. Sultan).

Work experiences

Teaching experience

Institut Convergences Migrations “Penser ensemble le climat et les migrations, données météo pour études empiriques” (CLIMIG, 2h) campus Condorcet, 2023.

Gestion forestière et de la déforestation en Afrique subsaharienne, filières ”monde arabe” et ”Afrique subsaharienne” du master [DIPCI](#) (développement, ingénierie de projet et coopération internationale, 6h, M2), Sciences Po Lyon, 2023 & 2024.

Économie du Carbone (Master [Sciences du bois](#)), M1, Montpellier University (8h), 2023 & 2024.

Fonctionnement des filières forêt-bois à différentes échelles (Master [Sciences du bois](#)) M1, Montpellier University (8h), 2023 & 2024.

Négociation climatique / géopolitique filière bois mondiale (Master [Sciences du bois](#)) M1, Montpellier University (8h), 2024.

Filière bois mondiale (Master [Sciences du bois](#)) M1, Montpellier University (8h), 2024.

Impact analysis (stats), (M2, Montpellier University, 5h CM + 10h TD), 2022, 2023.

Environmental Economics Seminars, parcours ECODEVA, (M1, Institut Agro, 4h).

[Risk and incertitude](#) (Université de Lorraine, M1, 5h), 2017, 2018, 2019.

[Resource economics](#) at Mines de Nancy (M1, 3h), 2016, 2019.

[Weather index-based insurances](#) in the Sahel (M1, 3h, CERDI Clermont-Ferrand), 2018.

[Risk and incertitude](#) (RFF, AgroParisTech, M2), 2017.

[Sustain. dev. & public pol.](#) (M1) IPAG Nancy, 2015, 2016, 2017, 2019.

[Forest econ.](#) (M2, 5h) EDDE, Paris X, 2015, 2016, 2017.

[Financial tools](#) (L3, M1) at La Sorbonne, 2010-2011.

[Development economics](#) (M1) at La Sorbonne, 2010-2011.

Macroeconomics at La Sorbonne & *Insurance and risks* at AgroParisTech (both M1), 2009-2010.

Statistics (L1) at La Sorbonne, 2008, 2009.

Development economics (M1) at La Sorbonne, 2008, 2009.

T.A. at Sciences Po in two *International economic relations* courses lectures of Pr. P.J.J. Welfens and Pr. F. Saraceno (L2) and organization of the first ‘Global classroom’ in sustainable development (M1), video conference for MDP (joint program including Sc. Po and *SIPA* at Columbia), 2008.

General economics (BTS) at a school of informatics, 2007, 2008.

Scientific supervision

- Post-doc supervision of Sébastien Desbureaux (CNRS), “Impact of Marine Protected Areas (MPAs) on riparians’ livelihood in subsaharan Africa”, within the MPA-Poverty project, led by David Mouillot (UM) 2020-2021, CEEM, Montpellier.
- PhD co-supervision of Julia GIRARD, “Impact of Marine Protected Areas (MPAs) on riparians’ livelihood in subsaharan Africa”, Alter-Poverty project (MITI CNRS), with Emmanuelle Lavaine (UM) and Brice Magdalou (UM), 2020-2021, CEEM, Montpellier.
- PhD co-supervision of Giulia Vaglietti, “Weather shocks and adaptation impact on land use changes: assessment of new drivers of deforestation in low income countries”, (with Philippe Delacote), 2020-2023, BETA / Chaire Économie du climat.
- PhD co-supervision of Pauline Castaing, “Mitigating the adverse effects of climate change in developing countries: three essays”, with Catherine Araujo-Bonjean (CNRS) 2017-2021, CERDI, Clermont-Ferrand.
 - Master thesis co-supervision: Karim Diallo (CERDI), “Evaluation of the impact of conservation policies in low income countries, with a particular focus on transdisciplinary projects in the South Western Indian Ocean”, 2025, with D. Keles (BETA).
 - Master thesis co-supervision: Hyacinthe Sylla (CERDI), “Long run health impacts of plants diversity trends in Western and Central African countries”, 2025, with F. Mortier (Dev. & Sociétés, CIRAD), R. Nikiema et S. Desbureaux (CEEM).
- Master thesis co-supervision: Nicolas Mondolfo (ENS Cachan), “Spatial discriminations: travellers communities in France”, 2024, with L. Tardieu & P. Delacote.
- Master thesis supervision: Richard Nikiema (CERDI, M1) & Mesure de l’impact de la protection des écosystèmes côtiers sur la réduction de la pauvreté : une étude sur le long terme en Tanzanie”, May-August 2022.

- Master thesis supervision: Ayoub El Arroud El Hadari (INSA, M1): “Impact of Marine Protected Areas (MPAs) on riparians’ livelihood in subsaharan Africa”, replication of a machine (deep) learning algorithm and application on Madagacar”, June-September 2022.
- Master thesis supervision: Ibrahim Kaboré (CERDI, M2): “Partenariats Publics - Privés dans les Aires Protégées en Afrique Sub-Saharienne”, avec Philippe Delacote, April-September 2022.
- PhD thesis comitee member of Richard Nikiema (CEE-M, Chaire énergie & prospérité), ‘Interactions entre biodiversité et développement économique” directed by Sébastien Desbureaux (INRAE).
- PhD thesis comitee member of Catalina Posada Borrero (Université de Montpellier), “Agriculture et Adaptation au Changement Climatique : Analyse des Préférences des Agriculteurs par le Biais d’Approches Empiriques de Terrain” directed by Sébastien Roussel (UM).
- PhD thesis comitee member of Jeannne de Montalembert (Université Dauphine), “” directed by Mireille Razafindrakoto, Anne-Sophie Robillard et François Roubaud (DIAL).
- PhD thesis comitee member of Edith Kouakou (Chaire Économie du Climat), “Risque, assurance et carbone: application à l’agriculture” directed by Marielle Brunette (BETA), 2022-.
- PhD thesis comitee member of Richard Koenig (Chaire Économie du Climat), “L’assurance récolte : de sa perception et des problèmes d’adoption aux enjeux d’adaptation” directed by Marielle Brunette (BETA), 2019-2023.
- Master thesis comitee member of Ndèye Sokhna Dieng “Digital agriculture: which opportunities for moringa partnership?”, *Supagro*, 2019.
- PhD thesis comitee member of Romain Dureau ”Apport des données spatiales à haute résolution pour la gestion des pullulations de campagnols terrestres en Auvergne”, *CERDI*, 2018, 2019.
- Master thesis co-supervision: Julia Girard (AgroParisTech), “Land-use impact of weather shocks’, with Philippe Delacote.
- PhD comitee of Derya Keles: Economie Politique des Aires Protégées, “Protected areas degazetting and deforestation in Amazonia Legal”, 2018-2019, Beta, Nancy.
- Master thesis and internship supervision of Fadila Ahfir (U. Montpellier 3) David Tchouta (CERDI) & Ricardo Joffe (AgroParisTech, Sylva UL), 2018.
- PhD thesis comitee of Solène Masson: “Exploring the links between soy crop and deforestation”, 2016, AMSE, Marseille.
- PhD defense comitee member, Alda Patoinnéwendé Kabre: “Trois essais d’économie politique: sur le vote et le consentement à l’impôt”, under the supervision of J.F. Laslier, Dec. 2016, École Polytechnique, Paris.

- Master thesis and internship supervision: Alda Patoinnéwendé Kabre (Master EDDE, AgroParisTech): Weather insurance in Cameroon: a supply side analysis, June-Sept. 2013.

Other responsibilities

- Groupe de travail: [ECOSOCIO du futur](#), département d'INRAE.
- Comité de suivi / résonance du projet d'Aire Protégée du Mackay à Madagascar (AFD)
- Elected at INRAE Conseil scientifique du département (CSD), 2 mandates: 2020-2024 & 2024-2028.
- Bi-monthly seminar organisation (LEF/BETA, INRA Nancy, 2015-2016, 2016-2017, 2017-2018 & 2018-2019).
- Guest editor for the special issue “Weather and climate impacts” of *Environment and development economics* in 2021.
- Jurys: IEDES, recrutement MCF, 2021; CIRAD, recrutement chercheur, 2024 & 2025.
- Organisation comitee of the [workshop](#) about the use of remote sensing data in economics at [PSE](#), June 2nd 2023.
- membre (désigné) au Comité Scientifique Français de la Désertification ([CSFD](#)) qui mobilise, depuis 1997, les experts français compétents en matière de désertification, de dégradation des terres et de développement des régions sèches.
- Co-organisation of the CEE-M annual [workshop](#): Environmental and Natural Resource Conservation: theoretical and empirical issues, Sept. 2020, sept. 2025.
- Ad hoc referee for *Ecology & Society*; *World Development*; *Ecological Economics*; *Environmental and Resource Economics*; *Journal of Development Studies*; *European Review of Agricultural Economics*; the *Journal of Environmental Management*; *Journal of African Economies*; *Environment & Development Economics*; *Agricultural Economics*; *Food Policy*; *Land Use Policy*; *The World Economy*; *Natural Hazards* (NHAZ); *Natural Hazards & Earth System Sciences* (NHESS); **Heliyon**; *Agricultural Systems*; *Meteorological Applications*; *Review of Agricultural, Food and Environmental Studies* (RAFE) *Sustainability*; *Remote Sensing*; *the African Development Review*; *Weather, Climate & Society*; *Revue d'Économie Politique*; *Economic Bulletin*; *Journal of Forest Economics*; *European Journal of Development Research*; *American Journal of Climate Change*; *Revue internationale du travail*; *International Journal of Pest Management*; *Climate & Development*; *Sécheresse / Science & changements planétaires*; *Économie Rurale*; *Agriculture*; the *Journal of Geography & Regional Planning*; *Revue internationale des études du développement*; the *Agriculture Science Research Journal*; the *Int. J. of Responsible Management in Emerging Economies*; *International Journal of Environmental Research and Public Health*; *Biotechnologie, Agronomie, Société et Environnement*; *Forests*; *Geosciences*;

Economies; CyberGeo: *European Journal of Geography*; *Vertigo*: *review of environmental sciences from the Institut des sciences de l'environnement* (Université du Québec à Montréal); *Interdisciplinary Sciences: Computational Life Sciences*; the *Journal of Agricultural Science & Technology* (JAST);

- Ad hoc referee for Agence Française de Développement (ADF); *the Swiss National Science Foundation* (SNSF: r4d open call); Agence Nationale de la Recherche (ANR, in 2010, 2014, 2015 & 2022); Fund for Innovation in Development (FID, in 2022), MIIF (Micro-insurance innovation Facility, housed at the International Labour Organization, ILO) in 2011 and for the 2011 and 2012 (SREX) *International Panel on Climate Change* (IPCC) special reports and the 3rd volume of the Sixth Assessment Report (AR6, 2020) and for EAAE & EAERE congresses.

Other experiences

- Lead carbon footprint estimation of my lab (CEE-M) activities in 2023.
- Visiting fellow at CRED (FUNDP, Namur) within AMID (Actors, Markets, and Institutions in Developing Countries: A micro empirical approach) network facility: a Marie-Curie Fellowship (Sept. 2011-March 2012).
- Field works: lab-in-the-field experiments in 9 villages of Burkina Faso, 2015 (FARMAF project) & household survey implementation and risk aversion elicitation in the Cameroonian cotton zone, 2011 (ILO-EUDN grant).
- Research assistance at DIAL (a center for development economics research of the IRD, *Institut de Recherche pour le Développement*) on migrations and diasporas (Mirem database, from the European Institute of Florence) and on employer-employees matched databases (the World Bank's *RPED*) in Africa, 2007-2008.
- Research assistance at *INSERM* (*Institut National de la Santé et de la Recherche Médicale*, French institute of health and medical research), Marseilles, 2004.

Conferences and seminars

Conference presentations

- Journée d'études, Santé, Protections, Changement climatique dans les Suds, dep. Env. & Société, 6-7 mars 2025.
- Workshop, PSE, "Forest & people : from skyview to local dynamics", paper: "CMPs in subSaharan Africa conservation", 23-28 juin 2024 in Aussois.
- Namur (CRED): Do forest management plans reduce forest degradation & deforestation in the Congo basin ? dec. 2023.
- Remote sensing in Economics, Paris School of Economics, June, 2023.

- Kim (Key Initiative Muse) Sea & Coast conference presentation of both ALTER-POVERTY and ALTER-POVERTY-WIO projects, 2022.
- Colloque CIRAD, ‘Agriculture et environnement dans les Suds’, Montpellier, 6-7 septembre 2021.
- Journée de Microéconomie appliquée (Université de Savoie / Mont blanc), June 2021.
- talk for “Dive In!” fundraiser for the <https://www.frankwater.com/>, May 2021.
- PSDR Symposium, INRAE, (Angers, visioConf), Oct. 2020.
- **AERE** (Association of Environmental and Resource Economists) conference, Virtual, June 2020.
- **EAERE** (European Association of Environmental and Resource Economists) conference, Manchester, June 2019.
- **EAERE** (European Association of Environmental and Resource Economists) conference, Gothenburg, June 2018.
- Environmental and development economics, U. Pau, Bayonne, July 2018 (scientific comitee).
- Faire face aux risques en agriculture: Paris, Feb. 2018, *Chaire Agricultural Risk Management Chair*, U. LaSalle.
- **MADEV** (Mathematics and development), Académie des Sciences, Rabat, Morocco, Oct. 2017.
- **FAERE** (French Association of Environmental and Resource Economists) conference, Nancy, Sept. 2017.
- **EAERE** (European Association of Environmental and Resource Economists) conference, Athenes, June 2017.
- **FAERE** (French Association of Environmental and Resource Economists) conference, Bordeaux, Sept. 2016.
- Journées internationales du risque, Niort, June 2016.
- **EAERE** (European Association of Environmental and Resource Economists) conference, Helsinki, June 2015.
- **ADRES** conference at BETA, Strasbourg, Feb. 2013.
- **RES** (British association of economists) PhD presentation meeting, London, Jan. 2013.
- **AFSE** (French association of economists) congress, Paris, June 2012.
- **EAERE** (European Association of Environmental and Resource Economists) conference, Toulouse, June 2012.
- **AMMA** (African Monsoon Multidisciplinary Analysis) conference, Toulouse, June 2012.

- **JRC** (EU research center) technical meeting on weather index-based insurance, Ispra (Italy), May 2012.
- **CSAE** Conference, Oxford, March 2012.
- **AFSE** (French association of economists) congress, Paris, Sept. 2011.
- **EAAE** congress, Zurich, Sept. 2011.
- **DIAL** international conference on ‘Shocks in developing countries’, Paris, June 2011.
- ‘Agriculture and Shared Growth in Africa’, **Brookings Institution**, Washington, Jan. 2011.
- ‘Environment and Natural Resources Management in Developing and Transition Economies’, Clermont-Ferrand (**CERDI**), Nov. 2010.
- ‘Agir en Situation d’Incertitude’, Montpellier (**CIRAD**), Nov. 2010.
- ‘Adaptation au Changement Climatique de l’Agriculture et des Écosystèmes’, Clermont-Ferrand (**INRA**), Oct. 2010.
- **EAAE** PhD workshop, Giessen (Germany), Sept. 2009.
- **AMMA** (African Monsoon Multidisciplinary Analysis) conference, Ouagadougou (Burkina Faso), July 2009.

Seminars

- ESPACE-DEV (IRD, Montpellier).
- CERDI-INRA workshop (CERDI, Clermont-Ferrand).
- Smart-Lereco seminar (INRA, Rennes).
- DIAL seminar (IRD, Paris).
- LAMETA / CEE-M seminar (INRA, Montpellier).
- ALISS seminar (INRA, Ivry s/ Seine).
- Séminaire CIRED (3 presentations).
- CRED workshop (Namur University, 2 presentations).
- UCL workshop (Université Catholique de Louvain, Louvain la Neuve).
- Sustainable Development, Environment and Public Economics, (EconomiX, Paris X).
- Seminar in Environmental and Energy Economics (Paris School of Economics).

- LEDa at Dauphine.
- IEDES (Paris 1, UMR Développement & Société)
- Séminaire ENGREF au LEF (INRA)
- Sustainable economics seminar, Ecole Polytechnique.

Grants

- BRIDGES “Gestion durable des ressources marines de l’Océan Indien” PC5 WP3, CNRS, Ifremer & IRD, PEPR, ANR, 2024.
- Alter-POVERTY-WIO (MUSE, Montpellier University of Excellence): Causal assessment of MPAs and LMMAs impact on local population in Madagascar, 2022.
- MPA-DEVELOP (PRIME 80, CNRS): Causal Assessment of Marine Protected Areas Benefits on local Population in Eastern Africa, 2021.
- Alter-POVERTY (MUSE, Montpellier University of Excellence): Assessing the Long-Term Effects of marine protected areas on POVERTY: A 18-year experiment in Tanzania, 2021.
- MOBINTER project (ADEME): Mobilisation de bois en forêt privée : rôle des caractéristiques individuelles et territoriales, 2019.
- Forest-TRIP Project (SSD INRA and Labex ARBRE): FORESTry policies design for under climate change: improving Time and Risk Preferences measures, 2018.
- Post-doctoral (3 years) grant of the European Commission: ISPRA joint research center (JRC, Italy), 2014 to take part to the ENHANCE project.
- Post-doctoral grant (1 year), CNRS (2012-2103).
- AMID, Marie-Curie pre-doctoral (six months) fellowship in Namur (2011-2012).
- Joint ILO’s Microinsurance Innovation Facility and European Development Research Network (EUDN) research grant (2011).
- 3-years doctoral grant from the French Ministry of Research and Higher Education (2008-2011).