

KEY QUALIFICATIONS:

- **Full professor of Climate Finance**, EDHEC Business School (Nice, FR)
- **Research Programme Director**, EDHEC-Risk Climate Impact Institute (Impact of Finance on Climate Change Mitigation and Adaptation)
- **Publications in top journals (e.g. Science)**, 2675 citations since 2015, 22 scholar H index
- **Teaching sustainable finance** at undergraduate, graduate and executive level (central banks, financial regulators and authorities), PhD supervision and placement.
- **Habilitation** (Full Professor – Fascia I, May 2021) in Economic Policy (SECS-P/01), and Political Economy (SECS-P/02), Italian Ministry of Education and University
- **PhD** in Agri-food economics and statistics (2012), University of Bologna (IT).

WORK EXPERIENCE: Academia

October 2021 - [EDHEC Business School, EDHEC-Risk \(Nice, FR\)](#), Professor of Climate Finance.

Main: [impact of finance on climate mitigation and adaptation](#)

- Tail climate risk scenarios for finance
- Double materiality of climate risks in the economy and banking sector
- Climate-aware portfolio rebalancing
- Green financial policies to mitigate and adapt to climate change

March 2020 – October 2021 [International Institute for Applied Systems Analysis \(Laxenburg, AT\)](#), visiting researcher, Energy department.

- Integrating the role of finance and its complexity in the climate mitigation scenarios of process-based Integrated Assessment Models (paper published in Science) to understand under which conditions finance can be an enabler or a barrier to the achievement of the climate targets.

March 2019 – September 2019 [Stanford University \(Stanford, USA\)](#), invited visiting research scholar.

March 2017 – September 2021 [Vienna University of Economics and Business \(AT\)](#), Assistant professor of Climate Economics and Finance.

Main: [assessment of the macro-financial criticality of climate risks](#)

May 2015 – February 2017 - [Boston University \(USA\)](#), Post-doctoral Associate, Frederick S. Pardee Center for the Study of the Longer-Range Future.

February 2014 – March 2015 [National Council of Research Milan \(IT\)](#), Disaster risk insurance researcher. Development of the methodological framework to assess the fiscal and financial implications of natural disasters, and the role of disasters insurance. Visiting at Resources for the Future in Washington DC under the supervision of C. Kousky on disaster risk insurance.

April 2012 - April 2015 [Anglia Ruskin University, Global Sustainability Institute \(UK\)](#), Post-doctoral Associate.

EDUCATION

2012 [PhD in AGRI-FOOD ECONOMICS AND STATISTICS](#), *Department of Statistics*, University of Bologna (31/05/2012). AISSEC best PhD thesis in Comparative Political Economy.

2007 [LAUREA SPECIALISTICA, ECONOMIC COOPERATION AND DEVELOPMENT \(2 years\)](#), *Faculty of Political Sciences*, University of Bologna. Thesis written at the Corvinus University of Budapest, University of Bologna, 23/06/2007. Final grade: 110 cum laude.

2004 [LAUREA TRIENNALE, INTERNATIONAL RELATIONS \(3 years\)](#), *Faculty of Political Sciences*, University of Pavia, 7/7/2004. Final grade: 110 cum laude.

RESEARCH PRIZES:

- 2022: Banque de France's Green Finance Research Prize, November 2022
- 2022: Vienna University of Economics and Business, Best paper award, November 2022.
- 2021: Vienna University of Economics and Business, Researcher of the month, July 2021.
- 2020: ECOMOD conference young researcher prize 2020.
- 2019; ECMCC-IV Econometric models of climate change conference prize 2019.
- 2014: AISSEC best PhD thesis award in comparative political economy.

PUBLICATIONS AND EDITORIAL ACTIVITIES

Scholar citations: 2610 (since 2015)

Scholar H index: 22

Publications

1. Bressan, G., Monasterolo, I., Battiston, S. (2022). Sustainable investing and climate transition risk: a portfolio rebalancing approach. *Journal of Portfolio Management*, special issue "Novel risks" ed. by F. Fabozzi (<https://jpm.pm-research.com/content/early/2022/07/14/jpm.2022.1.394>). Covered in [Natixis](#) Research (05.08.22).
2. Gourdel, R., Monasterolo, I., Dunz, N., Mazzocchetti, A. and Parisi, L. (2022). The double materiality of climate physical and transition risks in the euro-area. *ECB working paper series*, n. 2665, May 2022, forth. on *Journal of Financial Stability*. Covered in: [S&P Global](#), [SUERF-Bocconi](#), [Natixis](#) Research.
3. Kruczkiewicz, A. et al. (2022). Multiform flood risk in a rapidly changing world: what we do not do, what we should and why it matters. *Environmental Research Letters*, 17, 8, 1-9.
4. Battiston S. Monasterolo, I., Riahi, K., and van Rujiven, B. (2021). Accounting for finance is key for climate mitigation pathways. *Science*, 372(6545), 918-920. Covered in: [IPCC AR6 report](#), [UN PRI](#), [IMF 2021](#), Financial Times - the Banker, [Le Monde](#), [Il Sole24Ore](#).
5. Dunz, N., Mazzocchetti, A., Monasterolo, I., Essensfelder, A., Raberto, M. (2021). Compounding COVID-19 and climate risks: the interplay of banks' lending and government's policy in the shock recovery. *Journal of Banking and Finance*, 106303. Covered in: [IPCC AR6 report](#), [Brookings](#) Institute, [World Bank Report on 360degrees resilience](#) 2021.
6. Ramos, L., Gallagher, K. P., Stephenson, C., & Monasterolo, I. (2021). Climate risk and IMF surveillance policy: a baseline analysis. *Climate Policy*, 1-18.
7. West, C. D. et al. (2021). Europe's cross-border trade, human security and financial connections: A climate risk perspective. *Climate Risk Management*, 34, 100382.
8. Naqvi, A., Monasterolo I. (2021). Assessing the cascading impacts of natural disasters in a multi-layer behavioral network framework. *Nature Scientific Reports*, 11(1), 1-14.
9. Monasterolo, I. (2020). Embedding finance in the macroeconomics of climate change: research challenges and opportunities ahead. *CESifo Forum*, 4/2020, p.25-33.
10. Monasterolo, I. (2020). Climate change and the financial system. *Annual Review of Resource Economics*, Volume 12, 1-22.

11. Battiston, S., Dafermos, Y., and Monasterolo, I. (2021). Climate risks and financial stability. *Journal of Financial Stability*, vol. 54, June 2021.
12. Dunz, N., Naqvi, A., Monasterolo, I. (2021). Climate sentiments, transition risk, and financial stability in a stock-flow consistent model. *Journal of Financial Stability*, vol. 54, June 2021. Covered in: [IPCC AR6 report](#).
13. Hafner, S., Anger-Kraavi, A., Monasterolo, I., Jones, A. (2020). Emergence of New Economics Energy Transition Models: A Review. *Ecological Economics*, 177, 106779
14. Monasterolo, I., de Angelis, L. (2020). Blind to carbon risk? An Analysis of Stock Market's Reaction to the Paris Agreement. *Ecological Economics*, 170, 1-10. Covered in: [IPCC AR6 report](#).
15. Monasterolo, I., Roventini, A., Foxon, T. (2019). Uncertainty of climate policies and implications for economics and finance: an evolutionary economics approach. *Ecological Economics*, 1-10.
16. Monasterolo, I., Raberto, M. (2019). The impact of phasing out fossil fuel subsidies on the low-carbon transition. *Energy Policy*, 124, 355-370.
17. Stolbova, V., Monasterolo, I. Battiston, S. (2018). A financial macro-network approach to climate policies evaluation, *Ecological Economics*, 149, 239-253.
18. Monasterolo, I., Jiani I. Zheng and Battiston, S. (2018). Climate transition risk and development finance: a climate stress-test of China's overseas energy portfolios. *China & World Economy* 26(6), 116–142. G20 Task Force “An International Financial Architecture for Stability and Development”.
19. Monasterolo, I., Raberto, M. (2018). The EIRIN flow-of-funds behavioral model of green fiscal policies and green sovereign bonds. *Ecological Economics*, 144, 228-243. Covered in: [IPCC AR6 report](#), [G20 Finance Ministers for Climate 2021](#), [IMF working paper 2019](#), [The World Bank 2021](#), [Asian Development Bank 2020](#), [Banco de Espana 2020](#).
20. Monasterolo, I., Battiston, S., Janetos, A. C., & Zheng, Z. (2017). Vulnerable yet relevant: the two dimensions of climate-related financial disclosure. *Climatic Change*, 145(3-4), 495-507. Covered in: [IPCC AR6 report](#), [G20 Finance Ministers for Climate 2021](#), [IMF working paper 2019](#).
21. Battiston S., Mandel A, Monasterolo I., Schuetze F. & G. Visentin (2017). A Climate stress-test of the EU financial system. *Nature Climate Change*, 7, 283–288. Covered in; [IPCC AR6 report 2021](#), [IPCC 2018](#); [G20 Finance Ministers for Climate 2021](#); [IMF 2019](#), [2021](#), [2022](#); [The World Bank 2020](#), [2020b](#), [2021](#); [Deutsche Bundesbank 2021](#); [Bank of Canada 2019](#); [BIS 2021](#); [OECD 2019](#).
22. Howarth, C., Monasterolo, I. (2017). Opportunities for knowledge co-production across the energy-food-water nexus: Making interdisciplinary approaches work for better climate decision making. *Environmental Science & Policy*, 75, 103-110.
23. Howarth C., Monasterolo I. (2016). Understanding barriers to decision making in the energy-food-water nexus: the added value of interdisciplinary approaches. *Environmental Science & Policy*.

Working papers

1. Mazzocchetti, A., Monasterolo, I., Vismara, A. (2022). A question of trust? Banks' climate sentiments, lending behavior and the low-carbon transition. Under review at *Journal of Banking and Finance*.
2. Battiston, S., Monasterolo, I., van Ruijven, B., Riahi, K. (2022). Emissions: focus on optimistic business-as-usual scenarios is misleading. Submitted to *Nature Climate Change*.
3. Giuliani, E., Monasterolo, I., Duranovic, A. (2022). Climate risk, sustainable finance and international business: a research agenda. Working paper available at SSRN (<https://bit.ly/3WsJskN>). Invited presentation at the Annual conference of the Academy of International Business 2021. In submission to the *Journal of International Business Studies* (JIBS).
4. Battiston, S., Mandel, A., Monasterolo, I. and Roncoroni, A. (2022). Climate credit risk model: a structural approach. Invited presentation and the Green Finance Research Advances conference 2022, Banque de France, and Climate Credit Risk Conference, Banca d'Italia, 2021. Working paper available upon request. In submission to *Mathematical Finance*.

5. Gourdel, R, Monasterolo, I (2022). Climate physical risk, transition spillovers and fiscal stability. Application to Barbados. Working paper, G24-V20 Task Force on Climate Policy for Development at the International Monetary Fund (<https://bit.ly/3Y0PE52>). Selected for presentation at the Strong Sustainability Conference 2022, French Development Agency, Paris. In submission to the *Journal of international Economics*.
6. Bressan, G., Duranovic, A., Monasterolo, I., Battiston, S. (2022). Asset-level climate physical risk assessment and cascading financial losses. Working paper, available upon request. Selected for presentation at the GRASFI sustainable finance conference 2022, University of Zurich. In submission to *Nature Climate Change*.
7. Monasterolo, I., Mandel, A., Battiston, S. et al. (2022). The role of green finance sector initiatives in the low-carbon transition: a theory of change. *World Bank Research and Policy Paper* (<https://bit.ly/3jcqJf1>).
8. Ranger, N., Mahul, O., Monasterolo, I. (2022). Assessing Financial Risks from Physical Climate Shock: A Framework for Scenario Generation. *The World Bank, Equitable Growth, Finance & Institutions Insight*. Washington, DC: World Bank. <https://openknowledge.worldbank.org/handle/10986/37041>
9. Battiston, S., Monasterolo, I., van Ruijven, B., Krey, V. (2022). Mapping economic activities into climate scenarios and transition risk classes: the NACE-CPRS-IAM classification, Technical report. Available on the NGFS scenarios database explorer and at SSRN (<https://bit.ly/3tssBSG>).
10. Monasterolo, I., Nieto, M., Schets, E. (2022). The good, the bad and the hot-house world. Conceptual Underpinnings of the NGFS Scenarios and Suggestions for Improvement. Banco de España working paper series. In submission to *Climate Policy Journal*.
11. Gourdel, R., Monasterolo, I., Gallagher, K. (2021). Climate transition spillovers and sovereign risk: evidence from Indonesia. Working paper, G24-V20 Task Force on Climate Policy for Development at the International Monetary Fund (<https://bit.ly/3JYpzM>). Under review at *Ecological Economics*.
12. Battiston, S., Monasterolo, I. (2020). On the dependence of investor's probability of default on climate transition scenarios. Available at SSRN (abstract_id=3743647).
13. Battiston, S., Monasterolo, I. (2020). The Climate spread of sovereign and corporate bonds. Available at SSRN (abstract_id=3376218).
14. Monasterolo, I., Glas, N., and Kunesch, S. (2020). Climate sentiments in the financial sector: how financial markets, policies and regulations generate barriers and opportunities to align portfolios to sustainability. Available at SSRN (abstract_id=3659459).
15. Battiston, S. and Monasterolo, I. (2019). How could the ECB's monetary policy support the sustainable finance transition? (<https://bit.ly/3rdghFt>). Covered in: *Le Monde*, *El Pais*, *Ilsole24Ore*.
16. Monasterolo, I., Raberto, M. (2017). Is there a role for Central Banks in the low-carbon transition? A Stock-Flow Consistent-Agent Based modelling approach. Working Paper prepared for the De Nederlandsche Bank's conference *Central Banking and Green Finance*, 28-29.11.2017.

Technical reports

1. Battiston, S., Monasterolo, I. (2022). Classificazione dei progetti di investimento in base ad allineamento agli obiettivi di sostenibilità, climatici e al rischio finanziario di transizione. In: *Investire in Infrastrutture: Strumenti Finanziari e Sostenibilità. Rapporto per il Ministero delle infrastrutture e mobilità sostenibile del Governo Italiano, uso dei fondi del Piano Nazionale di Ripresa e Resilienza*.
2. Monasterolo, I., Volz, U. (2020). Addressing climate-related financial risks and overcoming barriers to scaling up sustainable investments. G20 Saudi Arabia: T20's Task Force 2 "Climate Change and Environment" 2020 (<https://bit.ly/3wPSa39>).

3. Battiston, S., Guth, M., Monasterolo, I., Nuerdorfer, B., Pointner, W. (2020). The exposure of Austrian banks to climate-related transition risk. In: Austrian National Bank's Financial Stability Report 2020: <https://www.oenb.at/en/Publications/Financial-Market/Financial-Stability-Report.html>
4. Monasterolo, I., Battiston, S. (2020). Pricing forward-looking climate risks in financial contracts. In: *Report of the Joint JRC - EBA workshop on Banking Regulation and Sustainability*, ed. by Alessi, L.
5. Battiston, S., Jakubik, P., Monasterolo, I., Riahi, K., van Ruijven, B. (2019). Climate risk assessment of sovereign bonds' portfolio of European insurers. In: *European Insurance and Occupational Pension Authority (EIOPA) Financial Stability Report*, December 2019.

Chapters in books

1. Battiston, S., Monasterolo, I. (2022). *Enhanced scenarios for climate stress tests*. INSPIRE Briefings paper series for central banks and financial supervisors, forthcoming 2022.
2. Battiston, S., Billio, M., and Monasterolo, I. (2020). Pandemics, climate and public finance: how to strengthen socio-economic resilience across policy domains. In: *A New World Post COVID-19 Lessons for Business, the Finance Industry and Policy Makers*, edited by Monica Billio and Simone Varotto, Edizioni Ca' Foscari, pag. 259-268.
3. Monasterolo I., Battiston S. (2020). Assessing forward-looking climate risks in financial portfolios: a science-based approach for investors and supervisors. NGFS Occasional Papers Case Studies of Environmental Risk Analysis Methodologies. Published on 09/10/2020; 616 pages: <https://www.ngfs.net/en/case-studies-environmental-risk-analysis-methodologies>
4. Lamperti, F., Monasterolo, I., Roventini, A. (2019). Climate Risks, Economics and Finance: Insights from Complex Systems. In: *The Systemic Turn in Human and Natural Sciences. A Rock in The Pond*, Hrsg. Ulivi, L. 1-23. Contemporary Systems Thinking: Springer.
5. Monasterolo, I., Raberto, M. (2016). No Contest: Green versus Brown Subsidies under TTIP trade agreement. *Issues in Brief, The Pardee Center Series*, Sept. 2016.
6. Zoboli, R., Monasterolo, I. (2015). Climate change and agriculture: Reducing food risk through Adaptation Strategies. ISBN print edition: 978-88-6780-906-6

Blogposts and online articles (selected)

1. Monasterolo, I. (2022). [Les institutions financières multilatérales ont besoin d'une théorie du changement pour mieux financer l'action climatique](#). Op-ed, Le Monde (18 November 2022).
2. Monasterolo, I., Battiston, S. (2022). [Climate finance: what is reasonable to expect from MDBs?](#) FT Sustainable Views (10 November 2022).
3. Monasterolo, I. (2022). As COP27 approaches, central banks signaling need for action on climate. S&P Global, ESG Insider.
4. He, X., Monasterolo, I., Gallagher, K. (2022). [The IMF needs to mitigate climate transition risk](#). Project Syndicate (11 April 2022).
5. Monasterolo, I., Dunz, N., Mazzocchetti, A., Essenfelder, A. (2021). Financial risk assessment and management in times of compounding climate and pandemics shocks. *Brookings Institute*, Future Development series blogs (<https://brook.gs/3lmgWX>).
6. Mahul, O., Monasterolo, I., Ranger, N. (2021). Learning from COVID-19 and climate change: Managing the financial risks of compound shocks. World Bank blog, <https://bit.ly/3zYqTdV>
7. Battiston, S., Monasterolo, I. (2021). [Why climate mitigation scenarios should factor in transition risk](#). UN PRI blogpost (8/12/2021)
8. Battiston, S., Monasterolo, I. (2021). [Le système financier peut faire pencher la dynamique de la transition écologique d'un côté ou de l'autre](#). Le Monde (26/5/2021).
9. Battiston, S., Monasterolo, I. (2021). Accounting for investors' expectations in climate scenarios is vital to risk supervision. FT The Banker (21/06/2021)

10. Battiston, S., Monasterolo, I. (2021). [Transizione ecologica e rischio finanziario: il ruolo chiave delle aspettative](#). *Il Sole 24 Ore* (24/5/2021).
11. Kletzan-Slamanig, D., ea. [Klimawandel gefährdet finanzielle Stabilität](#). *Der Standard* (15/02/2021).
12. Monasterolo, I. [Assessing climate risks in investors' portfolios: a journey through climate stress-testing](#). *UN PRI* blogpost (2/03/2020)
13. Monasterolo, I., Volz, U. [How to finance virus response in a sustainable way? Scale up synergies with the Green Deal](#). *Euractiv* (7/04/2020).
14. Monasterolo, I., Volz, U. ["EU virus response to shape climate action"](#). *OMFIF* (8/04/2020).
15. Monasterolo, I., Volz, U. "Enabling EU solidarity while preserving public finances: how the EU could finance the COVID response". *Financial Times* (The Banker) (2/05/2020).
16. Le Monde, ["La Banque centrale européenne soutient trop les entreprises polluantes, selon une étude"](#) (21.3.2019).

Editorial activity

1. Editor, *Ecological Economics*.
2. Co-editor, special issue "Climate risks and financial stability" (2021), *Journal of Financial Stability*.
3. Lead editor, special issue "Understanding uncertainty of climate policies and implications for economics and finance: an evolutionary economics approach" (2019). *Ecological Economics*.
4. Editorial board, *Climatic Change* journal.

OTHER ACTIVITIES

- 2022 - : member, Advisory Council of the Austrian Green Finance Alliance, Austrian Ministry for Climate Action.
- 2022 - : member of the Scientific Committee, PLADIFES (Plate-forme de Calcul Numerique, Intelligence Artificielle et Base Internationale De Donnees Environnementales, Financieres et Societales a Frequence Elevee) Equipex project, Institute Louis Bachelier (FR).
- 2019: Co-founder of CLIMAFIN.
- 2018 – 2020: Council member, European Association for Evolutionary Political Economy (EAEPE).
- 2018 - : Research area co-leader "Environment-Economy Interactions", EAEPE.

ORGANISATION OF SCIENTIFIC CONFERENCES AND POLICY EVENTS (selected)

- 2022: Organizer of the **UNFCCC COP27 side event** "Scaling up climate adaptation finance in times of growing public debt, inflation and natural disasters", Cascading climate risks virtual pavilion, in collaboration with Chatham House of London, 9 November 2022.
- 2021: Organizer of the **UNFCCC COP26 side event** "Macro-financial relevance of cascading climate risks: " in collaboration with Chatham House of London, 3 November 2021.
- 2019: Organizer of the **UNFCCC COP25 side event** "Assessing climate transition risk and scaling up climate investments" in collaboration with Univ. of Zurich (UZH), European Commission Joint Research Center (JRC), ClimateWorks. EU Pavilion, Madrid (ES), 9 December 2019.
- 2019: Organizer of the **EAEPE conference special session** "Climate Risks and Opportunities in Financial Markets and Investors' Portfolios", Warsaw (Poland), 12-15 Sept. 2019.
- 2018: Co-organizer of the **SUERF-WU-OENB conference "Green finance, regulation and monetary policy"**, Austrian Central Bank (OeNB), Vienna (AT), 4 May 2018.
- 2017: Co-organizer of the **UNFCCC COP23 side event** "How new climate risk and impact metrics can empower development finance institutions", in collaboration with Inter-American Development Bank, Climate-KIC, and the University of Zurich, Bonn (DE), November 2018.

INVITED SPEAKER: CONFERENCES AND WORKSHOPS (selected)

- 15 December 2022: invited speaker, **Banque de France** and **Institute Louis Bachelier's** Green Finance Research Conference, Paris (FR).
- 8 December 2022: invited speaker, **French Development Agency's** conference "Strong sustainability", Paris (FR).
- 2 December 2022: keynote speaker, **CEMLA and UNEP FI's** III Central Banks Conference on Environmental Risk "Macroeconomic and financial implications of climate change: How can central banks take immediate action in addressing climate-related risk?" session: "Understanding physical risk models and data", Mexico City (ME).
- 1 December 2022: invited speaker, **UNPRI annual conference**, Barcelona (ES).
- 30 Nov. 2022: invited speaker, **European Stability Mechanism** "Long term challenges for fiscal sustainability", Luxembourg (LU).
- 22 March 2022: keynote speaker, 15th **Financial Risks International Forum** "Climate risk and green transition".
- 15 Febr. 2022: invited speaker, **SUERF Baffi-Bocconi** e-lectures, "Climate-related risks: a financial stability angle for Europe".
- 03 Nov. 2021: invited speaker, **Deutsche Bundesbank's** research seminars.
- 28 Oct. 2021: invited speaker, **Reuters** event "Unpacking the UN IPCC Climate Report: Implications for professional investors": <https://events.reutersevents.com/invescoESG>
- 28 Oct. 2021: invited speaker, **European Central Bank's** Climate Change Center Green Seminar.
- 26 Oct. 2021: invited speaker, **International Monetary Fund's** macro-financial seminars series.
- 20 Oct. 2021: 12th **FMA Supervisory Conference** "Sustainable Ways out of the Crisis", Austrian Financial Markets Authority, Vienna (AT).
- 23 Sept. 2021, invited speaker "Compound risk: climate, disasters, finance, pandemics", **CREDIT conference 2021**, Venice (IT).
- 1 Sept. 2021: Central Banks and Regulators panel, **GRASFI conference 2021**.
- 1 Sept. 2021: invited speaker, "Divesting from Carbon-intensive towards a Sustainable and Green Infrastructure", **European Forum Alpbach 2021**.
- 28 Jan. 2021: invited speaker, "Virtual Seminar on Climate Economics", **Federal Reserve Bank of San Francisco**.
- 10 Dec. 2020: "Green Finance Research Advances", **Banque de France**.
- 28 Oct. 2020: speaker, **World Bank** workshop "Compound risks: combining COVID and climate shocks in macroeconomic models for stronger financial resilience".
- 22 Oct. 2020: keynote speaker, **National Bank of Belgium's** Conference 2020 "Climate Change: Economic Impact and Challenges for Central Banks and the Financial System".
- 21 Oct. 2020: invited speaker, **Bank for International Settlements (BIS's)** International Conference on Central Banks Supervision 2020.
- 4 Sept. 2020: invited speaker, **OECD** workshop "Climate Change: assumptions, uncertainties and surprises, OECD (virtual).
- 26 August 2020: invited speaker, **Austrian National Bank (OeNB's)** summer school.
- 27 Febr. 2020: invited speaker, **European Insurance and Occupational Pension Authority (EIOPA)**, Frankfurt (GE).
- 16 Jan. 2019: moderator and speaker, **FINEXUS2020 conference** "Climate change and financial risks", University of Zurich, Zurich (CH).
- 6 Dec. 2019: invited speaker, **European Systemic Risk Board (ESRB) workshop** "Wind of Change: Climate Risk and Dynamic Stress Testing", Austrian National Bank (OeNB), Vienna (AT).
- 25 Nov. 2019: invited speaker, Green Finance Research Advances, Paris (FR).

- 18-19 Nov. 2019: keynote speaker, **European Banking Authority – European Commission Joint Research Center** workshop “Banking regulation and sustainability”, Ispra (IT).
- 21 Oct. 2019: Invited speaker, **World Bank Group** seminar series, DC (USA).
- 18 Oct. 2019: invited speaker at the **World Bank Group - International Monetary Fund Annual Meeting 2019** “Climate change and Minsky moments”.
- 26-27 Sept. 2019: keynote speaker, **CREDIT conference** “Assessing and Managing Climate Change Risk: Opportunities for Financial Institutions”, Ca’ Foscari University Venice (IT).
- 6 Sept. 2019: keynote speaker, **European Insurance and Pension Funds Authority (EIOPA)** seminar on “Quantitative techniques in financial stability”, Frankfurt (GE).
- 22 April 2019: invited speaker, **Stanford University’s** Precourt Institute of Energy, Energy Seminar, Stanford (USA).

26th December, 2022

