

PERSONAL INFORMATION

Dr. Esmeralda Colombo, Esq.



✉ esmeralda.colombo@cmcc.it

Sex Female | Date of birth 02/01/1988 | Nationality Italian and Norwegian

ROLE

*IPCC-quoted author on climate-related financial risk (IPCC AR6, Working Group III, 2022)
Entrepreneur, Academic, and Qualified Lawyer (in Italy, since 2015; in New York State, since 2019)
Key skills: Energy regulation, (storage), Public funding, Climate and energy justice, Gender-lens investing, climate finance*

WORK EXPERIENCE

September 2023 – present

Smartenergy Italy Srl

Policy and public Funding Manager, CTO Team, Milan – Zurich (50%)

- Regulatory and policymaking work for Smartenergy to invest in and bring online renewable energy and green hydrogen projects in Europe, including renewable energy storage
- Specialized approach on policymaking and public funding for innovation, particularly in hydrogen and sustainable aviation fuels, at the Italian and EU levels
- Social impact analyses (climate-related financial risk, energy communities, and ESG metrics)
- Among deliverables: business development intelligence, private-public partnerships, and policy opportunities while liaising between CTO and business development departments across Smartenergy Group

Business or sector Energy investor and developer

January 2023 – present

Scientific Committee Member of Climate Standard (pro bono)

Climate Standard, Viareggio

- Scientific Committee Member for Climate Standard, the first European independent certification on climate neutrality
- The Scientific Committee of the Climate Standard, is free and independent and includes professionals, experts and academics
- Climate Standard certifications are created to provide a benchmark for companies aiming at net-zero
- Climate Standard certifications fall into the category of voluntary certification schemes and alike (ISO 14040)

Business or sector Business

January 2023 – present

Future Leaders (Enterprises) (pro bono)

ISPI (Italian Institute for International Political Studies), Milan

- Selected for the future leaders program in the timeline 2022-2025, along with roughly 100 people from all over Italy
- The "Future Leaders" Program is aimed at young talents under the age of 40, destined to cover key roles within companies, cultural bodies and institutions and with a strong interest in better understanding long-term international economic, political, and social scenarios
- The main outputs are the contamination and exchange of ideas through the Meetings Program, which arranges in-person meetings e.g. experts and former ministers, EU Commissioners

Business or sector Think tank

January 2023 – present

Co-founder and CEO

Green Power Plus—Women for Energy and Finance, Milan

- A female-led start-up establishing the first expert network dedicated to elevating and adding value to the expertise of women in the green energy and finance space
- A technology-driven, algorithm-shaped, and justice-powered software to get the most talented womxn to the top of the climate transition
- GP+ operates as a Sustainability Intelligence: it responds to consultancy/hire needs by matching them with talents within a flexible and supportive community of practice

Business or sector Business

September 2022 – present

Postdoctoral Fellow (Marie Skłodowska-Curie Actions, European Commission)

CMCC (Euro-Mediterranean Centre on Climate Change), Milan (50% since September 2023)

- Scientific Supervisors: Dr. Andrea Bigano
© European Union, 2002-2013 | <http://europass.cedefop.europa.eu>

- Affiliation: RFF-CMCC European Institute on Economics and the Environment (EIEE); Information Systems for Climate science and Decision-making (ISCD) Division
- Lead and co-manage EU-funded project "Europe's Moment: Designing Effective Policies in Energy Storage Technology for Renewables". Method: semi-structured interviews and econometrics
- Map regulatory frameworks for climate risk and opportunities in banks
- Define functional and technical architecture to support financing and deployment of storage technology for RE
- Increase the bankability of prosumer-based storage for renewable energy (RE) as a counterweight to energy price crises
- Optimize access to finance for RE through a gender-sensitive approach across the EU
- Report to Senior Scientist at the RFF-CMCC European Institute on Economics and the Environment, Dr. Andrea Bigano; reports to decision-making bodies
- Author policy proposals (e.g., "storage bills") to the European Commission on storage for RE, fostering architectural innovations and enhanced competitiveness in Europe
- Coursework at the Polytechnic University of Milan: "Introduction to Econometrics" with Prof. Rocco Roberto Mosconi; "Energy and Climate Change Modeling and Scenarios" with Prof. Massimo Tavoni; "Processes for Hydrogen and Energy Transition" with Prof. Alessandro Donazzi.

[Business or sector](#) Academia and Policymaking

November 2021 – September 2022

Research Fellow (pro bono)

The Hague Academy of International Law—Centre for Studies and Research, The Hague (part-time)

- Academic Leaders: Prof. Jackie Peel and Prof. Sandrine Maljean-Dubois
- Selected to participate in the project "Climate Change and the Testing of International Law"
- Conduct qualitative and quantitative analyses on the role of domestic courts in implementing international climate law
- Contributor to the book "Contemporary Challenges to International Law"; published by the Hague Academy, forthcoming
- Research stay in The Hague: 21 Aug 2022 – 9 Sept 2022

[Business or sector](#) Academia

March 2022 – July 2022

Postdoctoral Fellow (Fulbright-Schuman Visiting Scholar, European Commission – US Department of State)

University of California, Berkeley

- Academic Sponsor: Prof. Dan Farber
- Lead and manage "Fiduciary Duties and Climate Risk: A Regulatory Pathway for Pension Funds' Divestment"
- Conduct qualitative and quantitative analyses to complement current climate accounting methods and identify alliances for effective policy in California and the EU (Focus on IORP II Directive)
- Design and track regulatory frameworks based on sectoral divestment approaches (compliance, pension supervision, pension fund investment governance, and net-zero frameworks), focus on the energy sector
- Drive innovative approaches by liaising with two high-tech companies in the Bay Area (image processing algorithms and satellite networks monitoring emissions); continuously evolve strategic business partnerships
- Coursework: "Applied Econometrics for Public Policy" with Prof. David Card (Nobel Prize winner for economics, 2021)

[Business or sector](#) Academia and Policymaking

Parental Leave: 26 Feb 2021 – 30 Jun 2021

June 2019 – present

Consultant in Climate and Energy Policies, Climate Accounting Analyses, and the Just Transition

European Commission, International Organisation of Employers, the Swiss Government, Pan Think Tank

- Consultant for the **European Commission for evaluating Italy's Long-Term Strategy on reducing greenhouse gas emissions, including climate accounting** (sub-contractor from the Institute for European Environmental Policy, Brussels; collaboration with Ricardo Energy & Environment); Method: qualitative and quantitative analyses. Timespan: Feb – Sept 2021
- Consultant for the **International Organisation of Employers, Geneva, as the author of policy recommendations and a report on Climate Governance and the Just Transition**. Method: development of surveys and semi-structured interviews with employers' and industry organizations (e.g., the Spanish Confederation of Business Organizations, the Employers Confederation of the Philippines, the Ethiopia Employers Federation, the Chilean Electric Generators Association) and businesses (e.g., the Mahindra Group, the Adecco Group, Deloitte); Timespan: Jun – Oct 2021
- **Consultant for Pan Think Tank, Oslo, as the main author of a report for securing evidence-informed policymaking for biodiversity in Norway, in light of international commitments**. Method: qualitative analysis; Timespan: Jun 2021 – Jan 2022;
- **Analyst on two comparative legal opinions for the Swiss government** on warranties and digital elements in consumer contracts, including environmental considerations, and on geological mapping (project owner: Prof. Heselhaus, University of Luzern); Timespan: May 2021 – Dec 2021
- **Peer reviewer of model and actual laws at Legal Pathways for Deep Decarbonization (LPDD)**. Completed reviews of two model laws and regulations on geological carbon capture and storage. Responsible in matters of technological innovation, the financing of utility-scale projects and at the grid edge, distributed renewable energy, electric power mandates, subsidies and customer charges, production and delivery of low-carbon gaseous fuels, agriculture, forestry, and carbon capture and storage (lpdd.org, pro bono); Timespan: Jun 2021 – ongoing
- **Legal Analyst at the Climate Change Litigation Initiative – climate change and human rights** (C2LI, Strathclyde University), launched at COP26, Glasgow (pro bono); Timespan: Oct 2020 – ongoing
- **Scholar, Sabin Center Network of Peer Reviewers—Columbia University** – ongoing

- December 2016 – present

Legal Fellow at CISDL - Peace, Justice and Governance Program (pro bono)
Centre for International Sustainable Development Law, Montreal

 - Member of the “Future Leaders Program”—ISPI (Institute for the study of International Politics) – ongoing
 - Co-rapporteur on **Rights of Nature** in Norway, Globalization and Legal Pluralism - International Academy of Comparative Law - General Congress – Asunción 2022 (pro bono); Timespan: Nov 2021 – ongoing
 - **Partnership development, Branding & PR at multi-stakeholder environmental organization**, Climate Festival Bergen, Norway, October 2019 – January 2020 and October 2020 – June 2021 (pro bono): organization of online and physical conferences and workshops, related communications; Timespan: Nov 2019 – June 2021

[Business or sector](#) Consulting

- December 2019 – September 2021

Online Course Developer, Assistant Professor and Conference Convenor (Sustainable finance, clean energy and law)
The Geneva Human Rights Platform, University of Stavanger, University of Bergen (part-time)

 - Online course developer and deliverer in Spanish, The Geneva Human Rights Platform and Friedrich-Ebert-Stiftung: Training Course for Latin American NGOs on Protecting Human Rights and the Environment, including Sustainable Finance
 - Online course developer and Guest Lecturer at the University of Stavanger in: Comparing Legal Cultures
 - Conference Convenor and Assistant Professor at the University of Bergen in: Comparing Legal Cultures (responsible for the course), and International and Comparative Energy and Climate Law (Guest Lecturer)

[Business or sector](#) Academia

- December 2018 – June 2021

Fellow in Climate Risk and Sustainable Finance (Focus on energy companies and banks)
Centre on Climate and Energy Transformation, University of Bergen (part-time)

 - Manager of the project “Climate Risk and Democratic Energy Policies” (CET Accelerator Seed Funding 2020-2021)
 - Initiator of the project BANKTRUST: Climate-Related Financial Risk in Banks - Public Perceptions, Trust, and Responsive Regulation, applying ‘responsive regulation’ to assess the regulatory instruments that can best ensure both public institutional confidence and trust in banks by tackling the financial systemic risk that climate change poses to the banking system (May 2019 – May 2020)
 - Manager of the project “Climate Risk and Sustainable Performance” (CET Accelerator Seed Funding 2019-2020)

[Business or sector](#) Academia and Policymaking

- February 2015 – December 2019
PhD defence: 4 June 2021

Lecturer & PhD Candidate in International Climate Change and Energy Law & Policy – Access to Justice in Climate Matters
University of Bergen (Lecturer & PhD Candidate) and Norwegian School of Economics (Lecturer), Norway

 - Lecturer: Climate Change Economics, American Law, Comparative Energy Law - Renewable Energy and Energy Market, Health and Human Rights in the Welfare State, Human Rights Law: Special Focus on Economic, Social and Cultural Rights, EU and EEA Commercial Law, Comparing Legal Cultures in Europe, Norwegian Legal History, Constitution and Politics (responsible for the course)

[Business or sector](#) Academia

- February 2018

Guest Lecturer in Environmental Law and Lawyering (pro bono)
American University of Phnom Penh, Phnom Penh

 - Lectures on Climate Change and Human Rights, with a focus on the Right to Water;
 - Lecture on Lawyering in Europe.

[Business or sector](#) Academia

- February 2017 – March 2017

Visiting Faculty in Environmental Justice and Human Rights
West Bengal National University of Juridical Sciences (NUJS), Kolkata

 - Creator and deliverer of short course on *The Environment in Justice* (18 hours)

[Business or sector](#) Academia

- February 2017 – March 2017

Field-level Experience on Rights-Based Disaster Risk Reduction (pro bono)
Port Blair, Andaman and Nicobar Islands, India

 - Lead and manage field study on climate-smart agriculture in India along with former FAO Consultant on land and gender, Anastasia Giadrossi
 - Conduct semi-structured interviews with local smallholder farmers, scientists, and public officials
 - Our findings include an action-based blueprint for preparing the Andaman and Nicobar Islands to climate adaptation in agricultural matters, protecting human rights, reducing disaster risk, as well as strengthening institutional transparency and gender-sensitive responses

- Publication of findings in peer-reviewed journal: Esmeralda Colombo – Anastasia Giadrossi, “Comparative International Litigation and Climate Change: A Case Study on Access to Justice in Adaptation Matters”, University of Pittsburgh Law Review (2019), Volume 81, Issue 3
- Business or sector** Academia and Consulting

February 2014 – July 2021

Female Entrepreneur in Technology Innovation & the Circular Economy | InvestorFounder of two Startups on Food Waste Reduction, Milan, myfoody.it and babacomarket.com

- MyFoody: From February 2014 until December 2016 - Shareholder, Legal Officer, Nonprofit (e.g., Milano Ristorazione) and Institutional Outreach (e.g., Municipality of Milan: Council Member Pierfrancesco Majorino, Umberta Barletti, Seble Woldeghiorghis); Blog Director, Grant Writer; From December 2016 until December 2019 - Shareholder, Legal Officer; From December 2019: Shareholder; Exit in July 2021 (ROI=18582,83%)
- Babacomarket: from May 2020 – ongoing: Shareholder

Business or sector Circular Economy and Entrepreneurship

January 2016 – May 2016

Research Assistant to Professor Michael B. Gerrard (Climate change and human rights)

Columbia University, New York City

- Desktop reviews, empirical research based on interviews, climate litigation updates

Business or sector Academia

February 2016 – May 2016

Intern at the Columbia Center on Sustainable Investment (Environmental risk and sustainable business)

A Joint Center of Columbia Law School and the Earth Institute, New York City

- Analysis of legal frameworks governing water-mine use in Alaska, New Mexico, and other U.S. States. Project funded by the Norwegian Bank Investment Management. Mixed doctrinal and empirical methods

Business or sector Academia

January 2014 – February 2014

Trainee Lawyer in International Law Firm (EU energy law and human rights)Redeker Sellner und Dahs, Berlin, <http://www.redeker.de/en/> (pro bono)

- Legal research, analysis, and opinions on ongoing energy law cases before Germany's Federal Constitutional Court
- Areas: European Energy Law (feed-in tariffs and state aid law), Human Rights Law (ECHR)
- Report to Senior Lawyer Dr. Christian Johan

Business or sector Law firm

July 2014 – October 2014

Trainee Lawyer in Boutique Law Firm (Civil and commercial law)Nicoletti, Milan, <http://www.lexpoint.it/TabID/62/ID/25778/default.aspx>

- Legal research, analysis, and opinions with pleading in court hearings
- Translations of contracts from Italian to legal English and legal French
- Areas: Commercial and Contract Law, Torts, Labor Law, and Bankruptcy Law

Business or sector Law firm

March 2012 – July 2012

Judicial Clerk (Tort law, fundamental rights, and judicial remedies)

Italy's Ministry of Justice, Tribunal of Milan (pro bono)

- Assistance in court hearings, drafting of decisions under the supervision of Judge Damiano Spera

Business or sector Judiciary

November 2011– March 2012

Trainee Lawyer in Boutique Law Firm (Civil and family law, mediation)Cattorini, Milan, <http://www.lexpoint.it/TabID/62/ID/28857/default.aspx> (pro bono)

- Legal research, analysis, and opinions with assistance to pleading in court
- Areas: Civil and Family Law, Mediation

June 2009– October 2011

Grant Writer and Manager (pro bono)

Catholic University of Milan

- Part-time grant writer and sole manager, awarded three yearly grants for starting and managing university community activities (Gospel choir and camera orchestra)

EDUCATION AND TRAINING

 From June 2020 – to
May 2021

Certificate in Finance for Clean Energy, Yale University (Focus on Gender-Responsive Access to Finance and Energy Storage)

Yale University, United States

- Year-long, part-time, admissions-based online certificate at the Yale Center for Business and the Environment
- Maximum Scholarship
- Relevant Coursework: Foundations Course (energy and finance concepts and main formulas); Policy (LCOE and other metrics; carbon pricing; approaches to policy and regulation); Technology Transitions (natural gas; hydropower; nuclear; renewables); Project Finance (project finance debt; project risk and variability; financial modelling; emerging markets); Innovation (green banks; public capital markets; information technology). Grade: Excellent.

 From January 2015 – to
December 2019

Philosophiae Doctor (PhD) in Law & Policy (International climate and energy law)

University of Bergen, Norway

- Research (75%) and teaching duties (25%)
- Research Stay at the Max Planck Institute for Comparative Public Law and International Law, at the invitation of Prof. Anne Peters (May – June 2019)

Thesis in International and Comparative Climate Change Law & Policy: Access to Justice Reloaded. The Role of International Law in National Climate Change Cases (Supervisors: Jørn Øyrehaugen Sunde, Sigrid Eskeland Schütz, Christian Franklin). Defence: 4 June 2021. Committee: Jessica Schultz, Beate Sjøfjell and Louis Kotzé. Excerpt from the committee's evaluation: "Colombo's dissertation is an independent, scientific piece of work, which contributes to the development of new knowledge [...] focusing on whether and how international law can contribute to domestic courts' reasoning when individuals and non-governmental organisations (NGOs) seek access to justice in climate change matters. This is a very topical study, which is both original and certainly of interest to a broader global audience working in the domain of (transnational) environmental law. The committee finds that the candidate provides a solid, well-informed analysis of how environmental law principles can assist domestic courts to adapt to the unique features and dilemmas posed by climate change litigation. The thesis consists of numerous chapters that are comprehensively argued and very well referenced. One of the main strengths of the thesis is the depth and breadth of the extensive literature review. The committee is also impressed by the ambition of the thesis and the extensive research area it seeks to cover"

Lecturer: *American Law* (Prof. Larry Bakken), *Comparative Energy Law - Renewable Energy and Energy Market* (Prof. Ernst Nordtveit), *Health and Human Rights in the Welfare State* (Prof. Henriette Åsen), *Human Rights Law: Special Focus on Economic, Social and Cultural Rights* (Prof. Henriette Åsen), *EU and EEA Commercial Law* (Prof. Christian Franklin, Prof. Halvard Fredriksen and Associate Professor Ronny Gjendemsjø), *Comparing Legal Cultures in Europe* (Prof. Søren Koch), *Retthistorie og komparativ rett* (Prof. Søren Koch), *Climate Change Economics* (Prof. Gunnar Eskeland), *Constitution and Politics* (responsible for the course with Prof. Siri Gloppen)

Examiner: Human rights in international and national law (Prof. Maja Janmyr, University of Oslo)

 From November 2016 – to
December 2016

UN Certificate in Human Rights and Environmental Protection for Sustainable Development

United Nations Institute for Training and Research, online

- Instructor: Johannah Bernstein. Full scholarship for merit. Grade: Excellent

 From November 2015 – to
May 2016

LL.M. Degree, Harlan Fiske Stone Scholar (Fulbright Scholarship, Parker Certificate in International and Comparative Law)

Columbia University in the City of New York, United States

- Enforcing International Law, International Environmental Law, Climate Change Law, Energy Regulation, U.S. Environmental Law, American Contract Law, Criminal Adjudication, Professional Responsibility
 - Staff Member at the *Columbia Journal of Environmental Law*
- Thesis:** Enforcing International Law in Domestic Courts. The Law of the Sea Convention at Play in Kivalina (Prof. Lori Damrosch): grade: A; Professor William R. Ginsberg Memorial Essay Contest 2nd Prize by NYSBA

From September 2012 – to
June 2013

LL.M. Degree in European Legal Studies (Bilingual: English and French) 1

College of Europe, Bruges, Belgium

- Substantive and Institutional European Union Law, EU Competition Law, EU Judicial Remedies, EU Environmental Law, EU Agri-Food Law, EU External Relations, International Law, Human Rights Law, WTO Law
- Thesis in EU environmental law:** EU Judicial Remedies at Play in the Ilva Case (Prof. N. Notaro)
- Final score:** Good.

From October 2006 – to
October 2011

Bachelor and Master’s Degrees in International Law 1

Catholic University, Milan, Italy

- International Law, Counter-terrorism and Human Rights, Constitutional Law, Criminal Law, Criminology, European Union Law, Transnational Commercial Law, Microeconomics, Macroeconomics, Legal Theory
- Research Stay at the University of Chicago (May – June 2011)
- Thesis in criminal law and policy:** *Extrema ratio* and Social Capital (Prof. G. Forti)
- Final score:** 110/110 summa cum laude

From January 2009 – to
May 2009

International Student Exchange Program (I.S.E.P.)

North Park University, Chicago, U.S.A.

- International Politics, Business and Professional Ethics, American Government, Leadership and Management of Non-Profit Organizations
- Award as I.S.E.P. Ambassador** in Italy
- GPA:** 3.95/4.00

From September 2001 – to
July 2006

High School Diploma 1

Liceo Classico “M. Flaminio”, Vittorio Veneto, Italy

- Greek and Latin (language and literature), History and Art History, Philosophy, Maths, Physics, Chemistry, Biology, Geology, English, Spanish
- Student Exchange Programme (2003): Bilbao, Spain, G. Aresti High School
- Final Score:** 100/100

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PERSONAL SKILLS

Mother tongue Italian

Other languages

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English TOEFL (2014): 112 and CAE (2006): B	C2	C2	C2	C2	C2
French TCF (2012): C1	C2	C2	C2	C2	C2
Spanish DELE (2020): B2	B2	B2	C2	C2	C1
Norwegian (Bokmål and Nynorsk) UiB (2018): trinn 3 Only reading	C2	C2	C2	C2	C2
	Swedish (B2)	Portuguese (B2)	Danish (B2)		

Levels: A1/2: Basic user - B1/2: Independent user - C1/2 Proficient user
Common European Framework of Reference for Languages

Communication skills

- public speaking coaching at the University of Bergen (2018) and advanced theater course at Teatro Litta, Milano (2022-2023)

- branding course and coaching sessions with talent agent at Nova – The talent Network (2022-2023)
 - communications skills gained as independent consultant for international organizations (e.g., the European Commission), Legal Officer and Blog Director at startup MyFoody, Podcast Host at the Centre for Climate and Energy Transformation and by lawyering in courts
- Organisational / managerial skills**
- grant writing and management (Catholic University of Milan)
 - organizer of international conferences and workshops at Climate Festival, Bergen, Norway 2020 and 2021;
 - leadership (responsible for a team of 10 people at MyFoody Blog; co-responsible for a team of 4 people at MyFoody on GDPR issues; responsible for a team of 5 people at Climate Festival, Bergen 2020 and 2021)
 - project management (consultancies, lawyering, judicial clerking, entrepreneurial activity at MyFoody)
 - experience in multistakeholder environmental organizations (Climate Festival, Bergen; C2LI—Strathclyde University; Sabin Center Network of Peer Reviewers—Columbia University)
- Job-related skills**
- good skills in qualitative (surveys and expert elicitations) and quantitative (R, stata) research methods
 - capability to work independently and in team
- Computer skills**
- good command of Canva™;
 - good command of Microsoft Office™ tools. Proficiency and proven working experience with MS Excel and relevant analytical tools (e.g., project finance for renewable energy projects)
 - good command of MacIntosh™ tools
 - good use of legal databases (e.g., Westlaw, LexisNexis)
 - good use of archiving and referencing tools (EndNote, Mendeley Desktop)
- Other skills**
- Diploma in piano performance (Associate Board of the Royal Schools of Music, 2010)
 - Certificate from Personal Branding Program (Nova, 2022)
 - Certificate from EU-sponsored S4D4C European Science Diplomacy Online Course (2022)
 - Driving licence (B)
 - Attorney and Counsellor at Law since October 2019 (New York State, USA)
 - Qualified to take the oath as a lawyer at the Milan Bar since 2015 (Italy)

ADDITIONAL INFORMATION

Publications

Articles in Scientific Journals:

- Esmeralda Colombo, "EU Principles in Climate Litigation" (2022) *China-EU Law Journal*, forthcoming;
- Esmeralda Colombo, "Energy Storage Governance in the Asia-Pacific: Exploring Regulatory Bottlenecks and Enablers through the LOS Convention" (2022) *Asia-Pacific Journal of Ocean Law and Policy*, forthcoming;
- Esmeralda Colombo, "Unpacking Corporate Due Diligence in Transnational Climate Litigation" (2022) 1 *Ex Ante* 35;
- Esmeralda Colombo, "The Politics of Silence: Future Generations' Fight for Climate in Hannah Arendt's Thought" (2023) *The Vienna Journal on International Constitutional Law* <https://doi.org/10.1515/ycl-2022-0017> (Special Issue on Social Contract Theory in the Age of Climate Crisis);
- Sören Koch, Esmeralda Colombo, Catalina Vallejo Piedrahita, "Derechos de la naturaleza en la cultura jurídica noruega: Ser o no ser?", (2022) 4 *Naturaleza y Sociedad. Desafíos Medioambientales* 183;
- Esmeralda Colombo, "From Bushfires to Misfires: Climate-Related Financial Risk after *McVeigh v. Retail Employees Superannuation Trust*" (2022) 11 *Transnational Environmental Law* 173; quoted by IPCC Working Group III, 2022;
- Lars August Hafting Kvestad – Esmeralda Colombo, "Il sistema di governo nel Regno di Norvegia: istituzioni regionali e istituzioni locali" (2021) 5 *Le Regioni*, pp. 1111 ff;
- Esmeralda Colombo, "Stockage de l'énergie renouvelable : vers de nouvelles voies de pratique juridique transnationale", *Juriste (Union Internationale des Avocats)* 1/2021;
- Esmeralda Colombo, "*People v. Arctic Oil* and Its Discontents: The Norwegian Paradox in Global Climate and Energy Justice" in R.S. Abate and others, *Global Perspective on Climate and Energy Justice* (2021) 51 *ELR* 10462-10465;
- Esmeralda Colombo, "Law&Ethics: Deep Ecology, Climate Change, and Norway's Wolf Policy" (2021) 67 *Scandinavian Studies in Law*;
- Esmeralda Colombo, "«Det norske paradokset» i Klimasøkmål Arktis: ein rettsleg analyse av økonomiske vurderingar", *Retfærd* (2020), Volume 2, 47-70;
- Esmeralda Colombo – Anastasia Giadrossi, "Comparative International Litigation and Climate Change: A Case Study on Access to Justice in Adaptation Matters", (2019) 81 *University of Pittsburgh Law Review* 527;
- Esmeralda Colombo, "The Quest for Cosmopolitan Justice in Climate Matters", (2017) *Nordisk Miljörättslig Tidskrift* 25;
- Bruno Fiammella - Esmeralda Colombo, "Le 'App' tra progettazione e trattamento dati personali, alla ricerca di una terza via" (2017) *Rivista elettronica di diritto, economia, management* 103;
- Esmeralda Colombo, "Enforcing International Climate Change Law in Domestic Courts: A New Trend of Cases for Boosting Principle 10 of the Rio Declaration?", *UCLA Journal of Environmental Law and Policy* (2016), Volume 35, Issue 1, 98, <http://escholarship.org/uc/item/7g98s7f3>;
- Esmeralda Colombo, "Enforcing International Law in US Courts: The LOS Convention at Play in Kivalina", *ILSA Journal*

of International & Comparative Law (2016), Volume 23, Issue 1, 106-144.

Books and Contributions to Edited Books:

- Esmeralda Colombo, "From Climate Risk to Climate Opportunity: A Functional Framework for Pension Fund Investment Governance" in ER de Jong et al. (eds), *Corporate Responsibility and Liability in relation to Climate Change* (Intersentia, forthcoming 2022);
- Esmeralda Colombo – Lars August Hafting Kvestad, "Is There An Italian Legal Culture?" in S. Koch – J.Ø. Sunde (eds), *Comparing Legal Cultures*, Springer, forthcoming;
- Esmeralda Colombo, "Access to Justice Reloaded. The Role of International Law in National Climate Change Cases" (University of Bergen, dissertation 2021);
- Esmeralda Colombo, "Climate Change and the Individual: A Norwegian Perspective" in F. Sindico – M.M. Mbengue (eds), *Comparative Climate Change Litigation: Beyond the Usual Suspects*, Springer, 2021;
- Esmeralda Colombo – Lars August Hafting Kvestad, "An Introduction to Italian Legal Culture" in S. Koch – J.Ø. Sunde (eds), *Comparing Legal Cultures*, Fagbokforlaget, 2020;
- Esmeralda Colombo, "(Un)comfortably Numb: The Role of National Courts for Access to Justice in Climate Matters" in J. Jendroška – M. Bar (eds), *Procedural Environmental Rights: Principle X in Theory and Practice*, Intersentia, 2017, 437-464;
- Esmeralda Colombo, *El Sistema: musica per la politica criminale*, Firenze Atheneum, Florence, 2014, 448 pp;
- Esmeralda Colombo, "Associazione a delinquere di stampo mafioso - Il business dei rifiuti" in B. Fiammella (ed.), *Pareri e Atti svolti di diritto penale. Speciale Esame di Avvocato 2014*, Altalex Professionale - Esami&Concorsi, Milan, 2014, pp. 112-118. Republished in the same collection in 2017.

Reports:

- Esmeralda Colombo – Eivind Hoff-Elimari, "En stemme for naturen: slik kan vi forbedre naturens rettsikkerhet i Norge" (Pan – Foreningen Grunnloven §112, Report 1/2022).

Articles in the Media (selected):

- Esmeralda Colombo, "The Climatization of Finance", *Climate Foresight*, 20 Jan 2023;
- Esmeralda Colombo, "Europe needs a Regional Green Bank to fulfil its Green Deal and match the U.S.", *Energy Post*, 20 Jan 2023);
- Esmeralda Colombo, "The European make-it or break-it green moment", *Blogging for sustainability* (University of Oslo, 15 Feb 2021);
- Esmeralda Colombo, "Walking the Walk: A Memo Outlining Incentives for Women-Powered Energy Storage in the European Union" (Clean Energy Finance Forum at Yale Center for business and the environment, 1 Feb 2021);
- Esmeralda Colombo, "Qvinnovindar: Feeding Three Million Kilowatt Hours Into the Grid Each Year" (Clean Energy Finance Forum at Yale Center for business and the environment, 1 Feb 2021);
- Esmeralda Colombo, "A legal and reputation scandal looming days ahead of Norway's climate case", *22 Oct 2020, Harvest Magazine*;
- Esmeralda Colombo - Jørn Øyrehagen Sunde, "Jussen, makta og havet", *Klassekampen*, 5 Feb 2020;
- Jørn Øyrehagen Sunde – Esmeralda Colombo, "Debatt: – Derfor må klimasøksmålet til Høgsterett", *Bergens Tidende*, 30 Jan 2020;
- Jørn Øyrehagen Sunde – Esmeralda Colombo, "Klimasøksmål, neste steg", *Klassekampen*, 26 Sept 2017, p.20-21, republished as Jørn Øyrehagen Sunde – Esmeralda Colombo, *Look to Norway – Klimasøksmål i klimaendringane sin tidsperiode, Energi og Klima*, 26 September 2017, <https://energiogklima.no/kommentar/look-to-norway/>.
- Esmeralda Colombo, "L'ultimo appello di Kivalina, l'isola condannata dal clima e dalla miniera", *Altreconomia*, Issue 186 (Oct 2016), 33-36.
- Esmeralda Colombo, "Land or Utopia? Seeking a New Climate for Migration", 13 Jan 2015, in *Green European Journal*, available at <http://www.greeneuropeanjournal.eu/land-utopia-seeking-new-climate-migration/>.
- Esmeralda Colombo, "'El Sistema' (Venezuela): una questione di giustizia", *NewsMAGAZINE*, Catholic University of Milan, n. 26, Fall 2012.
- Esmeralda Colombo, "A Cosmopolitan Greening Change: Yes, We Can!", in *Sommet(s)* (Switzerland), July 2009, pp. 34 – 37.

In the news (selected):

- Interviewed on climate change litigation by the [New York Times](#) and [TV4 \(Sweden\)](#) (November 2020)
- Interviewed on "Climate Justice in Namibia and Beyond" at Radio Eagle FM (Windhoek, Namibia) (November 2019)

Referee and Supervisor Experience

Peer Reviewer:

- Nordic Journal of Human Rights; Climate Policy; Chinese Journal of Environmental Law; Groningen Journal of International Law; Springer (book proposals)

Supervisor:

- Chiara Morfea (University of Turin: EU and Norwegian mandatory environmental due diligence acts, 2020-2021); Giulia Olivetti (Catholic University of the Sacred Heart: prohibition on transboundary harm, 2023-2024)

Master's Thesis Evaluator:

- Three-year contract with the University of Stavanger (2020-2023)

Conferences Oct 2007 – present (selected)

- Energy Storage Summit (February 2024)
- Ensuring Sustainable Energy Storage with ESG Compliance
- Master's in Sustainable Finance, (ALTIS) Catholic University of Milan (February 2024)
- Positive Narratives for Climate-Related Divestment and Energy Transition Investments
- Reuters Events (February 2024)
- Industrial Decarbonisation Europe

- HyValue webinar on hydrogen financing (January 2024)
Matching Public and Private Finance – ‘On the ground’ Experiences
MSCA Awards Science-Policy Pitch Competition (November 2023)
- Why Storage?
Energy Storage Global Conference (October 2023)
- The EU/US Cleantech Battle of Titans (Panel: The European Green Deal Net-Zero Industry Act vs the US Inflation Reduction Act: More Manufacturing in Europe or Less)
2023 UNEP-GNHRE Summer/Winter School will be on the theme "Transitions and Transformations" (September 2023)
- Energy Storage for Energy Justice
World Hydrogen Leaders (September 2023)
- World Hydrogen Finance and Investment
Bergen Exchange 2023
- How to create inclusive epistemic communities for transformative climate policy (August 2023)
IUCN 2023 Colloquium (August 2023)
- The Climatization of Finance: Future-Proofing Net-Zero Law for Effective Policy Design (Panel: Sustainable Finance and Investment)
7th International Conference Florence School of Regulation - Climate, Energy, and Environmental Justices and Transitions: rethinking global environmental law (July 2023)
- Storage for energy justice in EU law: the role of Energy Communities
- Moderator at World Hydrogen & Renewables Italy 2023 (May 2023)
- The Role of Battery Storage as a Crucial Piece of the Puzzle
- Hearing with research group, *Transition écologique du droit économique* (TEDE), a collaborative research project funded by the French environmental protection agency and the French Ministry of Justice (December 2022)
- “L’écologisation des techniques juridiques du droit financier : Les fonds de pension”
- University of Oslo, Oslo International Environmental Law Conference (IUCN-WCEL) (October 2022)
- Riders on the Storm: Decarbonising Fiduciary Duties in Climate Matters
- Internal Presentation at ECIP, CMCC (September 2022)
- Why Energy Storage?
- University of Utrecht, Corporate Responsibility and Liability in relation to Climate Change (May 2022)
- From Climate Risk to Climate Opportunity: A Functional Framework for Pension Fund Investment Governance
- Asia-Pacific Ocean Law Institutions Alliance, UNCLOS in Asia-Pacific: 40 Years and Onwards (May 2022)
- Energy Storage Governance in the Asia-Pacific: Exploring Regulatory Bottlenecks and Enablers through the LOS Convention
- Catholic University of Milan, Climate Change as the Ultimate Grotian Moment(?) (April 2022)
- The Substantive Aspects of Climate Change Litigation before Domestic Courts
- International Society of Public Law, ICONs Mundo Conference (July 2021)
- Social Contract Theory in the Age of Climate Crisis
- British Institute of International and Comparative Law, Summit "Our Future in the Balance: The Role of Courts and Tribunals in Meeting the Climate Crisis" (July 2021)
- Re-imagining the Separation of Powers Principle
- Monmouth University, The 2021 Institute for Global Understanding Biennial Symposium “Human Rights and the Environment” – Energy Roundtable (March 2021)
- People v Arctic Oil and its Discontents: The Norwegian Paradox in Global Climate and Energy Justice
- Columbia University, The Global Research Alliance for Sustainable Finance and Investment (September 2020)
- Online presentation of double peer-reviewed selected paper “From Bushfires to Misfires: New Developments in Climate Litigation over Financial Risk” (see above under publications);
- CMI, Centre on Law & Social Transformation (June 2020)
- Summer School on the global climate governance regime: conversation with Prof. Siri Gloppen, Catalina Vallejo Piedrahíta, and students on climate change litigation
- Literature House, Bergen, Organizer, Presenter and Moderator in International Conference on Divestment and Climate Change (January 2020)
- Investing in our future, divesting from our past. From climate risk to climate opportunity

(<https://beccl.no/event/investing-in-our-future-divesting-from-our-past-from-climate-risk-to-climate-opportunity/>)

Faculty of Law, University of Bergen (January 2020)

- Paneldebatt/seminar om klimasøksmålet mot staten (Panel on climate change litigation against the state)

Faculty of Law Library, University of Bergen (January 2020)

- Why are Climate Lawsuits Controversial? Norway, the European Union, and the Democratic Challenge

Centre on Law & Social Transformation and Bergen Global CMI/UiB (January 2020)

- Constitutional Interpretation: The Multiplicity of Actors (with Prof. Siri Gloppen and Athanasios Psygkas)

SAMPOL Konferanse (Temper Brenner! Klima og samfunnsvitenskap) (October 2019)

- Juridisk Knockout (with Prof. Siri Gloppen, Prof. Christina Voigt, and Pål Lorentzen)

Day on Climate and the Energy Transitions, with Prof. Berte-Elen Konow, UiB (November 2018)

- Climate Cases and Sustainable Finance

Concerned Students Day (October 2018)

- 'I am a Rocket Ship on my Way to Mars'. Culture and Deviance in Corporate Climate Change Matters

Christian Michelsens Institutt (CMI) (August 2018)

- Children's Climate Litigation: Future Generations' Rights to a Healthy Environment

IUCN Annual Colloquium, University of Strathclyde, Glasgow (July 2018)

- Litigation as a Tool for Advancing Climate-Smart Agriculture? A Hypothetical Judicial Case in the Andaman and Nicobar Islands (paper co-authored with Anastasia Giadrossi)

Masterclass with Cass R. Sunstein, Holberg Week, Bergen (June 2018)

- What to Do About Human Error

Christieskonferansen, Bergen (April 2018)

- Toleransen for klimasøksmål i velferdstaten

Energy Lab, Geophysical Institute, Bergen (April 2018)

- Riders on the Storm. Investors' Fiduciary Duty and Liability in Climate Change Matters

Litteraturhuset Bergen, with Prof. Jørn Øyrehagen Sunde (April 2018)

- Tampen brenner! Risiko for søksmål

Concerned Students Day - Climate Perspectives Vol 2, Bergen (January 2018)

- Smoke on the Water and Fire in the Sky. Litigating the Climate in Norway and Abroad

Deichmanske Bibliotek, Oslo, with Prof. Jørn Øyrehagen Sunde (January 2018)

- Moving Forward or Stepping Back: International and Norwegian Climate Litigation in the 21st Century

University of Bergen – Visit from the Environmental Branch of Norway's Foreign Ministry (December 2017)

- Access to National Courts and Effective Remedies in Climate Change Cases. Tilgang til domstol og effektive rettsmidler i klimasøksmål

University of Oslo – First Postgraduate Colloquium on Frontiers of International Environmental Law (September 2017)

- Climate Change at the ICJ: Visions in the Aftermath of the US Withdrawal from the Paris Agreement

Strathclyde Center for Environmental Law and Governance - 5th Strathclyde Postgraduate Colloquium on Environmental Law and Governance (May 2017)

- Access to Justice Reloaded. The Judicial Enforcement of International Law in Industrial Pollution Cases

University of Bergen – Energy Lab (May 2017)

- Legal Control & Enforcement over National Energy Plans

University of Bergen – ELSA Conference, International Focus Programme (IFP) (April 2017)

- International Law in Practice: Pipelines, Indigenous Communities, and New Developments

National Law University Delhi – Delhi (March 2017)

- PhD Project Presentation on Access to Justice

University of Bergen (January 2017), Joint Meeting of the Research Groups on Environmental Law, Legal History and Legal Culture

- Enforcing International Environmental Law in National Courts

EELF Annual Conference – Wrocław, Poland (September 2016)

- International Climate Change Law in Domestic Courts: A New Trend of Cases for Boosting Principle X?

Columbia University – New York (2015-2016)

- Access to Justice and the Enforcement of International Law (November 2015); Climate Change Litigation (December 2015); Strategies to Save Venice from Submergence (February 2016); Climate Change Law in National Courts (April 2016).

Fudan University – Shanghai (2015)

- The Rule of Law and Constitutional Democracy in China (June 2015);

- Wading the Waters of Culture and Values (June 2015).

MyFoody Startup (2014 - 2015):

- H-Farm (Treviso), Techfugees (November 2015);

- Expo 2015 (Milan), Italian pavillon – Food Waste (July 2015);

- Campi Bisenzio (Florence), Social Innovation Conference (April 2014);

- Florence, ImpactHub, Social Impact and Job Creation (May 2014);

- Bologna, SMAU – Tech and Law Conference, Privacy and Corporate Liability (June 2014);

- Reggio Emilia, RepNext - La Repubblica delle Idee, Food Waste Reduction (November 2014).

College of Europe (2013):

- Presentation on the REACH Regulation (chemicals);

- Presentation on major accidents at industrial installations (Seveso directives);

- Presentation on the EU competence to sign environmental agreements.

North Park University (2009):

- Business Ethics and workers' rights (Prof. Ahn).

Catholic University of Milan (2007):

- The principle of estoppel in EU law (Prof. Ballarino).

Organizer of three conferences at Leo Club on the 60th Anniversary of the Italian Constitution (2008) relating to:

The Italian Constitution and European Integration (Prof. Meyr);

The Judiciary Viewpoint on the Constitution (Prosecutor Fojadelli);

Family Violence and Judicial Protection (Judge Ortolan).

Moot Conferences and Multi-Stakeholder Forums

Delegate of Italy at the International Development Youth Forum

University of Tokyo

Win-Win Solution for Solving Hunger

1 - 8th March 2015, Tokyo

Delegate of Latvia at Model ASEM

European External Action Service – Asia Europe Meeting

10th ASEM Summit of Heads of State and Government

Responsible Partnership for Sustainable Growth and Security

8 – 12th October 2014, Milan

Honours and awards

1) February 2023

TEL Best Article Prize 2022 (Cambridge University Press) - Honorable mention

“From Bushfires to Misfires: Climate-related Financial Risk after *McVeigh v. Retail Employees Superannuation Trust*”

2) November 2022

University of Milan and Foundation Alessandro Volta

Admission to the LEES Winter School (International and Public Law, Ethics & Economics for Sustainability), Villa del Grumello, Como

3) November 2020

Accelerator's Fund (Centre for Climate and Energy Transformation, University of Bergen)

Funds for leading a project on Democratic Energy Policies (3 podcasts and a peer-reviewed article)

4) October 2020

University of Bergen seed fund on Global Challenges

Participant in project on epistemic communities, climate change and inequalities

5) April 2020

Fulbright-Schuman Fellowship

Project on climate risk with 4-month research stays at Berkeley Law (postponed due to the coronavirus pandemic)
6) March 2020

Yale University, The Yale Center for Business and the Environment

Maximum scholarship for enrolling in the Certificate on Financing and Deploying Clean Energy

7) December 2019

University of Bergen

Professor Arvid Frihagens offentligrettslige minnefond, funds to support publishing 4 peer-reviewed works on public law

8) March 2019

Meltzer Scholarship for PhD Candidates

Scholarship for independent research in Germany and Luxembourg (Max Planck Institute) and Yale Law School

9) February 2019

Accelerator's Fund (Centre for Climate and Energy Transformation, University of Bergen)

Funds for leading a project on Climate Risk and publishing

10) June 2018

Holberg Board's Recognition to Nordic PhD Candidates

Masterclass with Cass R. Sunstein: "What to Do About Human Error"

11) March 2018

Meltzer Scholarship for PhD Candidates

Scholarship for independent research at Stanford Law School and Berkeley Law School

12) September 2016

Scholarship on course "Human Rights and Environmental Protection for Sustainable Development"

UNITAR (United Nations Institute for Training and Research)

13) September 2016

2016 Professor William R. Ginsberg Memorial Essay Contest

2nd place for the essay titled: "Enforcing International Law in U.S. Courts: The Law of the Sea Convention at Play in Kivalina" NYSBA (New York State Bar Association) Environmental Law Section

14) May 2016

Harlan Fiske Stone Scholar

Columbia University

15) May 2016

Parker Certificate in International and Comparative Law

Columbia University

16) August 2015 – May 2016

Fulbright Scholarship – LL.M. Program

U.S. – Italy Commission

17) August 2015 – May 2016

LLM Fee Waiver

Columbia University

18) February 2014 - June 2014

Business Acceleration Program Scholarship

Unicoop Florence – ImpactHub Florence

19) September 2012 – June 2013

Full scholarship - Master's Degree in European Union Law at College of Europe

Toniolo Institute and Catholic University of Milan

20) November 2012

Full scholarship – Recognition of highest grade at Master's Degree Level

Bank (Banca della Marca), Treviso, Italy

21) May 2011 - June 2011

Full scholarship – Funding of Thesis Research at the University of Chicago

Catholic University of Milan

22) January 2009 - May 2009

Full scholarship – Funding of exchange program at North Park University, Chicago

Catholic University of Milan and North Park University

Memberships

1) From November 2011 – to present

Research Center "Alta Scuola Federico Stella sulla Giustizia Penale" (ASGP, Catholic University of Milan)

2) From January 2015 – to present

European Environmental Law Forum (EELF)

3) From September 2016 – to present

Environmental Law Network International (ELNI)

4) From December 2016 – to present

Member of the Norsk forening for internasjonal rett (NFIR) and the International Law Association (ILA)

5) From December 2016 – to present

Member of the CISDL Legal Research Group - formerly Cross Cutting Program, now Peace Justice and Governance

Centre for International Sustainable Development Law, Montreal
6) From December 2018 – to current
Centre for Climate and Energy Transformation, University of Bergen
7) From December 2019 – to present
Member of the New York State Bar Association (NYSBA)
8) From January 2020 – to present
Member of the European Society of International Law
9) From April 2020 – to present
Member of the Global Network for the Study of Human Rights and the Environment (GNHRE)
10) From May 2020 – to present
Member of the IUCN World Commission on Environmental Law
Member of the Women's Energy and Climate Law Network (WECLN)
11) From January 2024 – to present
The European Society of International Law
12) From September 2022 – to present
Member of Top-Talent Network Nova
13) From November 2022 – to present
Member of Women in Green Hydrogen
14) From December 2022 – to present
Global Women Net
15) From December 2022 – to present
Women AT
16) From December 2022 – to present
GWNET Women in Energy Expert Platform

Last update on Feb 2024