Raffaele Ventura

Research experience

July 2023	**European University Institute** – Research Associate at the Global Governance Programme of the Robert Schuman Center for Advanced Studies and coordinator of the Applied Data Science for Social Research Working Group.
May 2023	**Italian Encyclopaedic Institute "Treccani"** – Author and scientific advisor.
Nov 2021 – April 2025	**University of Trento –** Doctoral researcher – School of International Studies.
Nov 2020	**Geopolitica.info –** Junior Fellow I published articles and conducted analyses on energy security, climate change, and governance of natural resources with a regional focus on Sub-Saharan Africa and the enlarged Mediterranean. More specifically, I analysed the security effects of climate and environmental change in the regions and the European and Italian interests in energy and climatic initiatives.
Jan 2024 – April 2024	**University of Iowa** – Visiting doctoral researcher at the Department of Political Science.
Oct 2023 – Dec 2023	**University of Uppsala** – Visiting doctoral researcher at the Department of Peace and Conflict Research.
July 2020 – Oct 2020	**Embassy of Italy in South Africa –** Trainee, *winner of the CRUI Foundation grant* While conducting research for my master's thesis, I processed data and wrote analyses that helped deepen the Embassy's dossiers.

Education

Degree

Nov 2021- April 2025	**University of Trento – PhD in International Studies** **Dissertation title:** Water Scarcity, Conflict and Negotiation: Four Essays
Mar 2021 – Oct 2021	**Società Italiana Per l'Organizzazione Internazionale (SIOI) – Master's Degree in Sustainable Development, Geopolitics of natural resources and Arctic Studies** Thesis: Sámi response to climate change: a multilevel comparative analysis of Norway, Sweden, and Finland. Advisor prof. Bård Borch Michalsen.
Sept 2018 – Dec 2020	**University of Bologna – Master's Degree in International Relations and Security** First class honours degree – *magna cum laude* (110/110 cum laude). Thesis: "Regionalism and environmental governance in response to climate change in Sub-Saharan Africa: the case of SADC". Advisor Prof. Dr. Arrigo Pallotti
Sept 2016 – Oct 2018	**Roma Tre University – Bachelor's Degree in political science and international relations** First class honours degree – *magna cum laude* (110/110 cum laude). Thesis: "International environmental treaties from Kyoto to Paris: compared analysis of emission trading systems". Advisor Prof. Dr. Stefano d'Addona

June 2023 **Econometric Society – Summer School on Causal inference and climate change economics.** This workshop combined lectures on current research in climate economics with an introduction to causal inference methods applied to climate economics.

March 2023 **University of Oxford – Oxford Spring School in Advanced Research Methods**
Qualitative research methods and design. Interviews, focus groups, ethnography, process tracing.

Jun 2022 – Aug 2022 **Michigan University, Ann Arbor - ICPSR Summer Program**
Time Series Analysis; Machine Learning for Social Sciences; Categorical Data Analysis; Maximum Likelihood Estimation Advanced Models

Sept 2021 – Dec 2021 **Piccola Scuola di Politiche -Winter course (seminar series)**
Topics covered ranges from political philosophy to international relations, from civil law to comparative politics.

May 2021 **Greenpeace and SIOI - Spring School**
Environment and Global Rights: resource crises, conflicts, and environmental disasters.

Publications and working papers

Ventura Raffaele. Working paper. "Territorial disputes and environmental cooperation in hydrological basins".

Ventura Raffaele. Working paper. "Reorganize the literature on climate change, environment and international conflicts using game theory".

Carmen Ramirez Folch, Petra Krylova, Raffaele Ventura, Bogna Kietlińska, Gaby Umbach, Mira Manini Tiwari, Jaromir Harmáček . Working Paper. Sex- and Gender-Disaggregated Data: A Brief Introduction to Data Availability and Data Pathways.

Ventura Raffaele. Under review. "Trent'anni di governance dei bacini idrici in Africa australe tra aspettative di pace e sviluppo e la minaccia dei cambiamenti climatici".

Ventura Raffaele. 2024. "Il ruolo strategico del Mediterraneo meridionale nella transizione energetica europea". In: "Il gioco delle grandi potenze La competizione nel Mediterraneo allargato". Pietro Baldelli Roberta Ferrara, Gabriele Natalizia (Editors). Rome: LUISS University Press. ISBN 979-12-5596-133-8 [Book Chapter].

Tarasov, Andrei, Claudio Passalacqua, and Raffaele Ventura. 2024. "Cherished Outcast: Italian Foreign Policy Change towards Russia in the Cases of Georgia (2008), Crimea (2014), and Ukraine (2022)". Italian Political Science Volume 18 (1). https://italianpoliticalscience.com/index.php/ips/article/view/210

Ventura Raffaele. 2024. "GIUSEPPE BETTONI (a cura di), Africa. Politica, democrazie e migrazioni, Torino, UTET Università 2023". Documenti Geografici 1(2024) [Book review].

Ventura Raffaele and Irene Ricca. 2023. "Italia e Francia in Africa occidentale", in: Oltre il Trattato del Quirinale, Matteo Mazziotti di Celso and Elena Tosti di Stefano (Editors). Roma: Edizioni Nuova Cultura, (2023), ISBN 9788833656052 [Book Chapter].

Ventura Raffaele. 2022. "Una transizione più veloce? L'effetto delle sanzioni internazionali sulle politiche energetiche". *Rivista Marittima* 7: 20-29.[1]

Ventura Raffaele and Alessia Piccinini. 2022. "Risorse idriche da fattore di rischio a opportunità: gli Accordi di Abramo in una prospettiva climatica, ambientale ed energetica", in: Dalla competizione all'integrazione nel Medio Oriente-Nord Africa L'impatto degli Accordi di Abramo sugli equilibri regionali, Pietro Baldelli, Elena Tosti di Stefano (Editors). Roma: Edizioni Nuova Cultura, (2022), ISBN: 9788833652382 [Book Chapter].[2]

Ventura Raffaele and Arianna Colaiuta. 2022. "*Il Sahel",* in: Verso un nuovo concetto strategico Nato: Prospettive e interessi dell'Italia, Gabriele Natalizia, Lorenzo Termine, Andrea Carteny, Elena Tosti Di Stefano (Editors). Roma: Edizioni Nuova Cultura, (2022), ISBN: 9788833654836 [Book Chapter].[3]

Ventura, Raffaele, and Andrea Pesce. 2021. "Riforestazione agroforestale nel Petén: zeroCO2 e la lotta alle disuguaglianze". *Atti Convegno Università LUMSA: Costruire comunità. La proposta del Service-Learning*. Rome: Ave, Educare Oggi[4].

In addition to these academic publications, I have contributed to many reports, policy briefs, and research projects for the Center of Geopolitical Studies, "Geopolitica.info." Some of these were financed by and directed to the Center for International Studies of the Italian Parliament and the Italian Ministry of Foreign Affairs.

I also published articles in national newspapers, such as "Domani il Giornale," on topics related to climate change, natural resources, and security in Africa and the enlarged Mediterranean space.

Teaching experience

February 2024 -May 2024	**University of Trento –** Teaching Assistant in Introduction to Quantitative Methods for social science research and instructor of an applied Laboratory on data visualization with R
February 2023 -May 2023	**University of Trento –** Teaching Assistant in Introduction to quantitative methods for social science research.
February 2023 -May 2023	**University of Trento –** Teaching assistant in Advanced quantitative methods for social science research.

Invited conferences and lectures

The University of Bologna. October 2023. *Regional governance of an environmental challenge between poverty, climate change, and Boko Haram in the Lake Chad Basin.* Lecture within the undergraduate course "Africa and Governance Of Climate Change" held by Dr. Arrigo Pallotti (https://www.unibo.it/en/teaching/course-unit-catalogue/course-unit/2022/443909)

International University of Rome (UNINT). April 2023. *Climate change economics and its challenges to international politics: why is it so complicated to mitigate climate change?*

[1] English translation: Ventura Raffaele. 2022. "A faster transition? the effect of sanctions on the energy policies of Russia, Iran, and Venezuela". Rivista Marittima 9(September 2022): 42-52.

[2] English translation: Ventura Raffaele and Alessia Piccinini. 2022. "Water Resources from Risk Factor to Opportunity: the Abraham Agreements in a Climate, Environmental and Energy Perspective," in: From Competition to Integration in the Middle East-North Africa The Impact of the Abraham Agreements on Regional Balances , Pietro Baldelli, Elena Tosti di Stefano (Editors). Rome: Edizioni Nuova Cultura, (2022), ISBN: 9788833652382 [Book Chapter].

[3] Ventura Raffaele and Arianna Colaiuta. 2022. "The Sahel," in: Towards a New Nato Strategic Concept: Italy's Perspectives and Interests, Gabriele Natalizia, Lorenzo Termine, Andrea Carteny, Elena Tosti Di Stefano (Editors). Rome: Edizioni Nuova Cultura, (2022), ISBN: 9788833654836 [Book Chapter].

[4] English translation: "Agroforestry reforestation in the Petén: zeroCO_2 and the fight against inequalities". *Conference Proceedings LUMSA University: Building Community. The Service-Learning proposal.* Published in Rome by Ave, Educare oggi.

The University of Bologna. December 2022. *Regional governance of an environmental challenge between poverty, climate change, and Boko Haram in the Lake Chad Basin.* Lecture within the undergraduate course "Africa and Governance Of Climate Change" held by Dr. Arrigo Pallotti (https://www.unibo.it/en/teaching/course-unit-catalogue/course-unit/2022/443909)

XVI Winter School di Geopolitica.info. May 2022. "Peripheries of competition? The Russian-Chinese challenge in Latin America and Africa".

University of Rome la Sapienza. May 2022. *Evolution of Regional Security Complexes in Africa*. Lecture within the graduate course "International Relations" held by Dr. Gabriele Natalizia (https://corsidilaurea.uniroma1.it/sites/default/files/international_relations_prof._g._natalizia_-_programma_a.a._2021-22.pdf)

The University of Bologna. November 2021. *Combating a humanitarian crisis between poverty, climate change, and Boko Haram in the Lake Chad Basin.* Lecture within the undergraduate course "Africa and Governance Of Climate Change" held by Dr. Arrigo Pallotti (https://www.unibo.it/en/teaching/course-unit-catalogue/course-unit/2022/443909)

The University of Bologna. May 2021. *Combating a humanitarian crisis between poverty, climate change, and Boko Haram in the Lake Chad Basin.* Lecture within the undergraduate course "Africa and Governance Of Climate Change" held by Dr. Arrigo Pallotti (https://www.unibo.it/en/teaching/course-unit-catalogue/course-unit/2022/443909)

XV Winter School di Geopolitica.info. May 2021. "Italian foreign policy and cooperation in Sub-Saharan Africa, a discussion with Consul Fabrizio Lobasso".

Lecture for the Online Course on Sub-Saharan Africa Geopolitics of the research centre Geopolitica.info. Available Online in June 2021 (https://onlineducation.it//). Climate refugees and environmental threats to security in Sub-Saharan Africa.

Lecture for the Online Course on Sub-Saharan Africa Geopolitics of the research centre Geopolitica.info. Available Online in June 2021 (https://onlineducation.it//). Islamic terrorism in Sub-Saharan Africa: Boko Haram in the Lake Chad basin.

Lecture for the Online Course on Sub-Saharan Africa Geopolitics of the research centre Geopolitica.info. Available Online in June 2021 (https://onlineducation.it//). Islamic terrorism in Sub-Saharan Africa.

The University of Bologna. May 2020. *Combating a humanitarian crisis between poverty, climate change, and Boko Haram in the Lake Chad Basin.* Lecture within the undergraduate course "Africa and Governance Of Climate Change" held by Dr. Arrigo Pallotti (https://www.unibo.it/en/teaching/course-unit-catalogue/course-unit/2022/443909).

Awards and scholarships

July 2021 – Ongoing Winner of a three-year fully funded scholarship for the doctoral program in International Studies at the University of Trento.

March 2021 – Ongoing Winner of a full scholarship offered by the Quebec Delegation in Rome and the SIOI for the master's degree in Sustainable Development, Geopolitics of natural resources, and Arctic Studies

Languages and other qualifications

Languages:

Italian – C2	Native speaker
English – C1	IELTS – Overall Band 7,5 (November 2020)
French – C1	TCF – Overall Band C1 (July 2021)
Spanish- B2/C1	Instituto Cervantes DELE B2 – (August 2015) and volunteering experiences in countries where Spanish is the first language (Guatemala and Mexico).
Arabic – A1	A1 level course attended at the linguistic centre of the University of Trento.

Software: *Advanced user of* Microsoft Office (Word, PowerPoint, and Excel); R programming language; LaTeX, Qualtrics.

Basic user of Python, Stata, QGIS, Adobe Photoshop, and Final Cut pro

Other experiences

11/2019 – Ongoing **zeroCO2 -** Co-founder (https://www.bezeroco2.eco)

I co-founded zeroCO2, a benefit corporation that carries out projects of reforestation, afforestation, and tree planting in urban and extra-urban areas in several parts of the world, with the aim of preserving nature. ZeroCO2 supports and implements permaculture, a system that places sustainable agriculture replicating natural ecosystems at the top of populations' needs. We planted more than 500,000 trees planted and supported thousands of families in Latin America and Western Europe. After the company's first start-up phase, I became increasingly dedicated to my studies and research.

01/2017 - 09/2017 **AMKA ONLUS** - Volunteer

I worked within the international cooperation projects of AMKA ONLUS in Italy and Petén (Guatemala).