



Europass Curriculum Vitae



Personal information

First name(s) / Surname(s) Federico Cornacchia
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Linkedin linkedin.com/in/cornacchia-fdr
Nationality Italian
Date of birth 06.02.1996
Gender Male

Occupational field

Adaptive Natural Resources Management; Environmental Systems Analysis; Integrated Assessment of Complex Socio-Ecosystems; Ecosystem Services Analysis and Valuation; Science and Management of Climate Change; Climate Change Adaptation; Sustainability

Work experience

Dates	09.2022 - present
Occupation or position held	Researcher
Main activities and responsibilities	<ol style="list-style-type: none">1) Integrated modelling of complex socio-ecosystems, applying advanced methodologies such as System Dynamics, with a particular emphasis on adaptive natural resource management, ecological and environmental economics, and sustainability.2) Research activity within EUROLakes European Project (IntEgrated protection and Restoration apprOaches for natural Lake EcoSystem): participatory multi-criteria analysis, decision support systems, and economic valuation of ecosystem services.
Name and address of employer	Fondazione Eni Enrico Mattei (Climate Change Adaptation Programme) - Venice
References	Prof. Carlo Giupponi (carlo.giupponi@feem.it); Ph.D. Sebastian Raimondo (sebastian.raimondo@feem.it)
Type of business or sector	Research
Dates	06.2022 - 09.2022
Occupation or position held	Consultant
Main activities and responsibilities	Leading the qualitative analysis of the impacts on ecosystem services in the context of the OSPAR Quality Status Report 2023. Specifically, I led the development of the 'Impact' section within the OSPAR Biodiversity Thematic Assessments (publication: https://oap.ospar.org/en/ospar-assessments/quality-status-reports/qsr-2023/thematic-assessments/).
Name and address of employer	Dutch Ministry of Agriculture, Nature and Food Quality
Type of business or sector	Consulting for Government Departments and International Organisations
Dates	05.2022 - 08.2022
Occupation or position held	Junior Researcher
Main activities and responsibilities	Research at the intersection of socio-economic phenomena and climate change, including the economic valuation of Nature-based Solutions and ecosystem services for the EU-funded project URBAN GreenUP.
Name and address of employer	Bocconi University (G.R.E.E.N. Research Centre) - Milan

Type of business or sector | Research
 Dates | 09.2021 - 03.2022
 Occupation or position held | Intern
 Main activities and responsibilities | Supporting the implementation of the ecosystem-based approach by the OSPAR Convention through the analysis of the impacts on ecosystem services due to changes in the state of the environment in the North-East Atlantic Ocean.
 Name and address of employer | Rijkswaterstaat (Dutch Ministry of Infrastructure and Water Management)
 References | Dr. Rob van der Veeren (rob.vander.veeren@rws.nl)
 Type of business or sector | Public sector (Government) and International Organisations

Education and training

Dates | 09.2023 - present
 Title of qualification | PhD
 Principal subjects/occupational skills covered | Science and Management of Climate Change - Stream in Climate Modelling and Impact Assessment (Supervisor: Prof. Carlo Giupponi)
 Name and type of organisation providing education and training | Ca' Foscari University of Venice (Italy)
 References | Prof. Carlo Giupponi (cgiupponi@unive.it) – Department of Economics

Dates | 02.2020 - 03.2022
 Title of qualification awarded | Master of Science (MSc) – Cum Laude
 Principal subjects/occupational skills covered | “Environmental Sciences” with thesis titled “The economic value of urban biodiversity: an attempt to integrate hedonic pricing and citizen science data” – Environmental Systems Analysis Group
 Name and type of organisation providing education and training | Wageningen University & Research (The Netherlands)
 References | Dr.ir. Koen de Koning (koen.dekoning@wur.nl)
 Level in national (Italian) classification | Laurea Magistrale

Dates | 09.2015 - 07.2019
 Title of qualification awarded | Laurea Triennale (Bachelor of Science, BSc) – Grade: 106/110
 Principal subjects/occupational skills covered | “Natural Sciences” with thesis titled “Analysis of the Glacial Forelands Biotic Colonization after Alpine Glacial Retreat”
 Name and type of organisation providing education and training | University of Milan (Università degli Studi di Milano Statale, Italy)

Personal skills and competences

Mother tongue(s) | Italian

Other language(s)

Self-assessment
 European level (*)

English

Understanding				Speaking				Writing	
Listening		Reading		Spoken interaction		Spoken production			
C1	Proficient user	C1	Proficient user	C1	Proficient user	C1	Proficient user	C1	Proficient user

(*) [Common European Framework of Reference for Languages](#)

Social skills and competences | Team player, Reliability, Adaptability, Effective Communication, Capacity of Building Relationships
 Organisational skills | Problem-solving, Ability to Work Independently, Analytical Mindset, Deadline-conscious

Technical skills and competences	Ecosystem Services Modelling and Valuation, Hedonic Pricing, Cost-Benefit Analyses, Stakeholder Analysis, Multi-Criteria Analysis, Scenario Analyses, Spatial Modelling
Computer skills and competences	R - R Studio, ArcGIS (Pro) / QGIS, Integrated Valuation of Ecosystem Services and Tradeoffs (InVEST) Modelling Suite, MS-Office, Vensim (System Dynamics Modelling Software), MatLab, LATEX (Overleaf)
Other skills and competences	Systems Thinking, Curiosity-driven, Creativity, Proactivity, Expectation Management, Stress-resilient
Driving licence	B (Cars), A2 (Motorbikes)
Other skills and experiences	OpenWater Diver Scuba Diving Certification (obtained in 2023)
Additional information	
Publications	<p>Coding: WP = Working Paper RR = Research Report MA = Magazine Article</p> <p>WP – Rivadeneyra, P., Cornacchia, F., Martínez-Hernández, A. G., Bidoia, M., Giupponi, C. (2024). Multi-platform assessment of coastal protection and carbon sequestration in the Venice Lagoon under future scenarios. Nota di Lavoro 13.2024, Milano, Italia: Fondazione Eni Enrico Mattei. Available at SSRN: https://papers.ssrn.com/sol3/papers.cfm?abstract_id=4881449</p> <p>WP - Cornacchia, F., Martínez-Hernández, A. G., Bidoia, M., Giupponi, C. (2023). Towards a Modelling Process for Simulating Socio-ecosystems with a Focus on Climate Change Adaptation. FEEM Working Paper No. 05, Available at SSRN: https://ssrn.com/abstract=4388040</p> <p>RR - OSPAR QSR 2023 Thematic Assessments, [assessment report], Role of Contributing and Supporting Author, In: OSPAR, 2023: Quality Status Report 2023. OSPAR Commission, London. Available at: https://oap.ospar.org/en/ospar-assessments/qualitystatus-reports/qsr-2023/thematic-assessments/.</p> <p>RR - Cornacchia, F. (2022). Impacts on ecosystem services due to changes in the state of the environment in the North-East Atlantic Ocean. Publisher: Rijkswaterstaat Water Traffic and Living Environment (RWS, WVW) and OSPAR. Available at: https://oap-cloudfront.ospar.org/media/filer_public/af/52/af520cef-0590-4f5a-9a97-604d43a13be3/impacts_on_ecosystems_services_report.pdf</p> <p>MA - Cornacchia, F. (2023). Il cambiamento climatico tra terremoti e conflitti. EQUILIBRI Magazine. Available at: https://equilibrimagazine.it/clima/2023/05/16/terremoti-guerre-e-cambiamenti-climatici/</p>
Other Collaborations and Consultancies	<p>09.2020 - 10.2020: Wageningen Science Shop: Nature-based Solutions Consultancy Project - "Green Oasis Arnhem", The Netherlands. Details: consultancy on climate responsive nature-based solutions (scenario development, stakeholder analysis, ecosystem services analysis, interviews, local community engagement). Final report available at: https://www.wur.nl/nl/show/final-report-act-team-2557.htm</p> <p>02.2020 - 04.2020: FaunaViva association (https://faunaviva.wordpress.com/): Realisation of scientific communication panels in the urban park 'Parco Agricolo Ticinello' (Milan, Italy).</p> <p>2019 - 2020: Local newspaper 'La Conca' (http://laconcablog.blogspot.com/): Writing articles for the rubric 'The Neighbourhood Naturalist' (Milan, Italy).</p> <p>2016: Radio Statale (Milan University): Speaker at the dissemination radio programme 'What about the Earth' (https://www.mixcloud.com/whatabouttheearth/), covering environmental issues from climate and biodiversity to solutions for urban environments to tackle problems occurring at the global and local level.</p>

Conference Talks	Cornacchia F. (2023, February). "Towards a Modelling Process for Simulating Socio-ecosystems with a Focus on Climate Change Adaptation" Presentation. Presented at the 11th IAERE - Italian Association of Environmental and Resource Economists Annual Conference, held at the University of Naples 'Parthenope' (Naples, Italy).
Attendance at Conferences and Workshops	FEEM - Challenges in Modelling the Economics of Sea Level Rise - Fondazine Eni Enrico Mattei - 2023 (Venice) Sea Level Rise Conference – 2022 (Venice)
Participation in Summer Schools	Venice International University (VIU) – International PhD Academy on Water and Climate Resilience (July, 8-12, 2024) The PhD Academy, led by the University of Exeter, Ludwig Maximilian University of Munich, KU Leuven University and Tsinghua University, under the scientific coordination of Professor Albert Chen, took place over 5 days and consisted of master classes, transversal skills classes, workshops, general discussion sessions, and students' research presentation.
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