



CURRENT POSITION	<b>Research Fellow, University of Bologna</b> <i>Department of Physics and Astronomy (DIFA)</i>	Bologna, Italy Feb 2024 - Jul 2025 (expected)
	<ul style="list-style-type: none"><li>• Advisor: Prof. Salvatore Pascale</li><li>• Project: ENCIRCLE (Evaluating the Changing Risk of Cyclones for Italian Precipitation Extremes). Website: <a href="https://encircle.odoo.com/">https://encircle.odoo.com/</a></li><li>• Developed a reproducible methodology to identify atmospheric circulation patterns associated with extreme precipitation events in Italy using Self-Organizing Maps (SOMs). Repository available at: <a href="https://github.com/ciacomin/ENCIRCLE-MiniSom">github.com/ciacomin/ENCIRCLE-MiniSom</a></li><li>• Currently working on the development of a convolutional neural network (CNN) to classify atmospheric patterns and attribute them to extreme or non-extreme precipitation days.</li></ul>	
EDUCATION	<b>ISAC - Summer School</b> CNR - ISAC	Lecce, Italy 30 Jun - 4 Jul, 2025 (expected)
	<ul style="list-style-type: none"><li>• Accepted to ISAC Summer School 2025 "Severe weather in a changing climate" that will take place in Castro Marina (Lecce), Italy.</li></ul>	
	<b>FERS - Winter School</b> <i>Future Earth Research School</i>	Forlì-Cesena, Italy 9 - 20 Dec, 2024
	<ul style="list-style-type: none"><li>• Attended and completed the high-level course on "Data Driven Modeling and Predictions of the Earth System" organized by FERS (Future Earth Research School) &amp; CMCC held in Bertinoro (Forlì-Cesena), Italy.</li></ul>	
	<b>3rd MedCyclones Workshop &amp; Training School</b> COST Action CA19109	Rome, Italy 15-19 Jul, 2024
	<ul style="list-style-type: none"><li>• Attended the Workshop and completed the Training School organized by the COST Action CA19109 "MedCyclones - European Network for Mediterranean Cyclones in Weather and Climate", hosted by ESA-ESRIN in Frascati (Rome), Italy.</li></ul>	
	<b>Master's Degree in Physics (110/110 cum Laude)</b> <i>Department of Mathematics and Physics, Roma Tre University</i>	Rome, Italy 2021 - 2023
	<ul style="list-style-type: none"><li>• Curriculum: Earth &amp; Environmental Physics</li><li>• Thesis: <i>Analysis of climate change signatures on intense precipitation events and extreme winds in the Greater Alpine Region (GAR)</i></li><li>• Advisor: Profs. Antonello Pasini and Claudia Pasquero</li></ul>	
	<b>Internship, University of Milano-Bicocca</b> <i>Department of Earth and Environmental Sciences (DISAT)</i>	Milan, Italy Mar - Sep, 2023
	<ul style="list-style-type: none"><li>• Advisor: Prof. Claudia Pasquero</li><li>• Research area: Analysis of extreme events using high resolution dataset (4km) in the Greater Alpine Region (GAR)</li></ul>	
	<b>Bachelor in Physics (110/110 cum Laude)</b> <i>Department of Mathematics and Physics, Roma Tre University</i>	Rome, Italy 2018 - 2021
<ul style="list-style-type: none"><li>• Thesis: "Mechanisms of Ice Nucleation in the Atmosphere"</li><li>• Advisor: Prof. Laura Lupi</li></ul>		

- PUBLICATIONS**
1. **Cristina Iacomino**, Antonello Pasini. Neural Network Downscaling to Obtain Local Precipitation Scenarios in the Italian Alps: A Case Study *Climate* **2024**, 12, 147.
  2. **Cristina Iacomino**, Salvatore Pascale, Giuseppe Zappa, Marcello Iotti, Federico Grazzini, Paolo Ghinassi, Alice Portal. A classification of high-risk atmospheric circulation patterns for Italian precipitation extremes. *International Journal of Climatology*. Accepted, under review.
- PRESENTATIONS (ORALS & POSTERS)**
1. **Cristina Iacomino**, Salvatore Pascale, Giuseppe Zappa, Marcello Iotti, Paolo Ghirassi, Federico Grazzini. *A classification of high-risk atmospheric circulation patterns for Italian precipitation extremes*. **Medclivar & SISC 2024**, Lecce, Italy (Oral). September 2024.
  2. **Cristina Iacomino**, Salvatore Pascale, Giuseppe Zappa, Marcello Iotti, Federico Grazzini, Alice Portal, Paolo Ghinassi. *High-risk atmospheric circulation patterns for Italian precipitation extremes* **EGU General Assembly 2025**, Vienna, Austria. Available online at <https://doi.org/10.5194/egusphere-egu25-15668> (Poster). April 2025.
- WORKSHOPS & CONFERENCES**
- EGU 2025** | Vienna, Austria 28 Apr - 2 May, 2025
- Attended the EGU General Assembly 2025 and presented a poster titled “High-risk atmospheric circulation patterns for Italian precipitation extremes” in the Nonlinear Processes in Geosciences (NP) session.
- GMM 2025** | Rome, Italy 24 Mar, 2024
- Attended the 75° *Giornata Meteorologica Mondiale*, World Meteorological Day, “Colmare insieme il divario dell’allerta precoce - Closing the Early warning Gap together” organized by **Sapienza University of Rome** and the **Italian Association of Atmospheric Sciences and Meteorology (AISAM)**
- Festival della Meteorologia** | Trento, Italy 14-16 Nov, 2024
- Attended the “*Festival della Meteorologia*”, Festival of Meteorology held in Rovereto (Trento), Italy.
- Medclivar & SISC 2024** | Lecce, Italy 24 - 27 Sep, 2024
- Attended the Medclivar & SISC 2024 conference and presented an oral titled “A classification of high-risk atmospheric circulation patterns for Italian precipitation extremes.” in the Second Session: “Precipitation: dynamics, observations and evolution”
- Workshop WPR2024** | Florence, Italy 19 Sep, 2024
- Attended the Workshop *Big Data, better forecast: l’intelligenza artificiale sostituirà i meteorologi?* organized by **LaMMA**, **AISAM** and **ItaliaMeteo Agency** which focused on data-driven numerical modeling applied to atmospheric forecasting.
- CMCC Webinar** | online 21 Mar 2024
- Attended a CMCC webinar titled “Attribution of extreme events to climate change”
- CISF 2023** | Palermo, Italy Apr 12 - 16, 2023
- Attended the *Italian conference for physics students* held by University of Palermo, Italy.
- TIQIT 2023** | Trento, Italy & Innsbruck, Austria Feb 27 - Mar 2, 2023
- Attended the conference and workshop *Trento-Innsbruck Quantum Information Tour* hosted by University of Trento & University of Innsbruck
- SIF 2022, Sezione Giovani** | Milan, Italy Sep 15, 2022
- Attended the workshop organized by the Italian Society of Physics and hosted by the Polytechnic University of Milan.

OTHER ACADEMIC ACTIVITIES	1. <b>Co-supervised Master's thesis:</b> " <i>A SOM-based analysis of the atmospheric drivers of major European droughts: a framework for extreme attribution</i> " by Amanda Montanaro, Master Degree in Science of Climate, Alma Mater Studiorum - University of Bologna, March 2024.	
PREVIOUS WORK & RELEVANT ACTIVITY	<b>Physics, Mathematics &amp; Chemistry Tutor</b>   Rome, Italy	2019 - Jan 2024
	<b>Tutoring activities for orientation-administrative support (200 hours)</b>   Rome, Italy	
	<i>Department of Mathematics and Physics, Roma Tre University</i>	2023 - Jan 2024
	<ul style="list-style-type: none"> <li>• Development of spreadsheets for administrative organization;</li> <li>• Development and production of flyers to publicise departmental events;</li> <li>• Contributed to event management during "Researchers' Night" and supported orientation, outreach, and conference events;</li> </ul>	
	<b>AISF local committee President</b>   Rome, Italy	
	<i>Department of Mathematics and Physics, Roma Tre University</i>	2022 - 2023
	<ul style="list-style-type: none"> <li>• Promotion through social channels of National/International events for committee members;</li> <li>• Collaboration with chairs of other committees to provide members with relevant events;</li> <li>• Conducting shared activities in order to organize events for local committee members;</li> </ul>	
	<b>Tutoring activities for orientation-administrative support (100 hours)</b>   Rome, Italy	
	<i>Department of Mathematics and Physics, Roma Tre University</i>	2022 - 2023
	<ul style="list-style-type: none"> <li>• Development of graphic materials to promote department events and conferences;</li> <li>• Provided student support during office hours and collaborated with administrative colleagues to enhance student services.</li> <li>• Participation in "World Logic Day" as a contributor in event management;</li> </ul>	
CERTIFICATIONS	<b>English - C1 Level:</b> Cambridge English School, Latina, Italy (2018).	
SKILLS	<b>Languages:</b> Italian (Native), English (C1), French (A2).	
	<b>Data Analysis:</b> Python 2.x/3.x, MATLAB, CDO (netCDF), TensorFlow.	
	<b>Tools:</b> Linux process automation (Shell scripting), Wolfram Mathematica, MS Excel/Google Sheets, GitHub.	
	<b>Documentation:</b> LaTeX.	
	<b>Systems:</b> Linux, Microsoft Windows.	
AWARDS AND HONORS	• <b>Winter School Grant</b> , FERS - Future Earth Research School	2024.12
	• <b>Summer School Grant</b> , COST Action CA19109 (3rd MedCyclones Workshop & Training School)	2024.07
	• <b>Academic Scholarship</b> , Roma Tre University	2021.09
	• <b>Academic Scholarship</b> , Roma Tre University	2020.09
	• <b>Academic Scholarship</b> , Roma Tre University	2018.09

## CONTACTS

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- **Research Gate:** <https://www.researchgate.net/profile/Cristina-Iacomino>
- **Website:** <https://www.unibo.it/sitoweb/cristina.iacomino/>
- **GitHub:** <https://github.com/ciacomin/>
- **Orcid:** <https://orcid.org/0009-0004-8647-2881>

*I hereby consent to the processing of the data I provided in this CV. I declare my agreement with the data protection regulations in the data privacy statement.*

Rome, 14 May 2025.