

Luca Famooss Paolini

Work Experience

- Feb 2023 – present** **Post-Doc Researcher**
Department of Physics and Astronomy – DIFA, University of Bologna, Bologna, Italy
- Feb 2020 – present** **Deputy chief editor and Scientific referee**
Magazine “Duegradi – il clima terra terra”, Italy
- Sep 2019 – Dic 2022** **PhD – “Science and management of climate change”**
Department of Environmental Science, Informatics and Statistics, Ca’ Foscari University, Venice, Italy
Fondazione Centro Euro-Mediterraneo sui Cambiamenti Climatici (CMCC), Bologna, Italy
- Dec 2015 – Jul 2018** **Environmental consultant – Remediation of contaminated sites**
Ernst&Young, Rome, Italy
Ramboll&Environ s.r.l, Milan, Italy

Education

- 2018 – 2019** **2nd level master - “Science and management of climate change”**
Department of Environmental Science, Informatics and Statistics, Ca’ Foscari University, Venice, Italy
- 2014 – 2015** **2nd level master - “Characterization and technologies for remediation of contaminated sites”**
110/110 cum laude
Department of Mathematical, Physical and Natural Sciences, “La Sapienza” University, Rome, Italy
- 2011 – 2013** **Master Degree in “Engineering for Environment and Territory”**
110/110 cum laude
Department of Engineering, “La Sapienza” University, Rome, Italy
- 2011 – 2013** **Bachelor Degree in “Engineering for Environment and Territory”**
110/110 cum laude
Department of Engineering, “La Sapienza” University, Rome, Italy

Training

Summer school – “Nature-based Solutions for hydro-meteo hazards and climate change adaptation”

University of Bologna, Bologna, Italy

1 week, Aug 2022

Course – “Machine learning in Python for environmental science problems”

American Meteorological Society (AMS)

2 days, Apr 2021

Interdisciplinary Course on “EuroProgettazione”

Ca' Foscari University, Venice, Italy

6 days, Nov 2019

Training – “EIT Climate-KIC - Pioneers into practice”

EIT Climate-KIC, Modena, Italy

5 days, Mar 2019 – Sep 2019

Training – “F2F event of Climate Data Store”

ECMWF, Bologna, Italy

2 days, Nov 2018

Publications

- [4] Patrizio, Casey R., Panos J. Athanasiadis, Claude Frankignoul, Doroteaciro Iovino, Simona Masina, **Luca Famooss Paolini**, Silvio Gualdi (2023) ‘Improved Extratropical North Atlantic Atmosphere—Ocean Variability with Increasing Ocean Model Resolution’. *Journal of Climate*, 36, 8403–8424, <https://doi.org/10.1175/JCLI-D-23-0230.1>.
- [3] **Famooss Paolini, Luca**, Nouredine Omrani, Alessio Bellussi, Panos J. Athanasiadis, Paolo Ruggieri, Casey R. Patrizio, Noel Keenlyde (2023) ‘Non-stationarity in the NAO—Gulf Stream SST front interaction’. *Journal of Climate*. <https://doi.org/10.1175/JCLI-D-23-0476.1>
- [2] Bellucci, Alessio, Denis Mattei, Paolo Ruggieri, and **Luca Famooss Paolini** (2022) ‘Intermittent Behavior in the AMOC—AMV Relationship’. *Geophysical Research Letters*, 49 (17): e2022GL098771. <https://doi.org/10.1029/2022GL098771>.
- [1] **Famooss Paolini, Luca**, Panos J. Athanasiadis, Paolo Ruggieri, and Alessio Bellucci (2022) ‘The Atmospheric Response to Meridional Shifts of the Gulf Stream SST Front and Its Dependence on Model Resolution’. *Journal of Climate*, 35 (18): 6007–30. <https://doi.org/10.1175/JCLI-D-21-0530.1>.

Conference—Workshop abstracts

- [14-Oral] Gargiulo Federico, Paolo Ruggieri, **Luca Famooss Paolini**, Silvana Di Sabatino. ‘A hybrid statistical-dynamical approach for seasonal predictions of the boreal Winter stratosphere’, 5th AISAM Annual Conference 2024
- [13-Poster] Gargiulo Federico, **Luca Famooss Paolini**, Paolo Ruggieri. ‘A hybrid statistical-dynamical approach for seasonal predictions of the boreal Winter stratosphere’, *Workshop on Rossby waves, heatwaves and compound extreme events 2023*
- [12-Poster] **Famooss Paolini, Luca**, Nouredine Omrani, Alessio Bellussi, Panos J. Athanasiadis, Paolo Ruggieri, Casey R. Patrizio, Noel Keenlyde. ‘Non-stationarity in the NAO—Gulf Stream SST front interaction’, *WRCP Open Science Conference 2023*
- [11-Oral] **Famooss Paolini, Luca**, Paolo Ruggieri, Salvatore Pascale, Erika Brattich, and Silvana Di Sabatino. ‘Hybrid statistical-dynamical seasonal prediction of summer extreme temperatures over Europe’, *EMS Annual Meeting 2023*

- [10-Oral] **Famooss Paolini, Luca**, Nouredine Omrani, Alessio Bellussi, Panos J. Athanasiadis, Paolo Ruggieri, Casey R. Patrizio, Noel Keenlyde. 'Non-stationary NAO—Gulf Stream SST front interaction', *EMS Annual Meeting 2023*
- [9-Oral] Patrizio, Casey R., Panos J. Athanasiadis, Claude Frankignoul, Doroteaciro Iovino, Simona Masina, **Luca Famooss Paolini**, Silvio Gualdi. 'Improved Simulation of Extratropical North Atlantic Atmosphere—Ocean Variability in HighResMIP Models'. *EGU General Assembly 2023*
- [8-Oral] Bellucci, Alessio, Denis Mattei, Paolo Ruggieri, and **Luca Famooss Paolini**. 'Intermittent Behavior in the AMOC—AMV Relationship', *EGU General Assembly 2023*
- [7-Poster] Bellucci, Alessio, Denis Mattei, Paolo Ruggieri, and **Luca Famooss Paolini**. 'Intermittent Behavior in the AMOC—AMV Relationship', *Whither the Gulf Stream Workshop: Present Understanding and Future Opportunities for Elucidating the Role of the Gulf Stream in Weather and Climate 2022*
- [6-Poster] **Famooss Paolini, Luca**, Nouredine Omrani, Panos J. Athanasiadis, Alessio Bellussi and Paolo Ruggieri. 'Decadal NAO-Gulf Stream SST front interaction', *Whither the Gulf Stream Workshop: Present Understanding and Future Opportunities for Elucidating the Role of the Gulf Stream in Weather and Climate 2022*
- [5-Oral] **Famooss Paolini, Luca**, Panos J. Athanasiadis, Paolo Ruggieri and Alessio Bellucci. 'Atmospheric response to meridional shifts of the Gulf Stream SST front shifts and its dependence on model resolution', *4th AISAM Annual Conference 2022*
- [4-Oral] **Famooss Paolini, Luca**, Panos J. Athanasiadis, Paolo Ruggieri and Alessio Bellucci. 'Atmospheric response to meridional shifts of the Gulf Stream SST front shifts and the role of atmospheric horizontal resolution', *Workshop on Multi-annual to Decadal Climate Predictability in the North Atlantic—Arctic Sector 2021*
- [3-Oral] **Famooss Paolini, Luca**, Panos J. Athanasiadis, Paolo Ruggieri, Alessio Bellucci and Silvio Gualdi. 'Atmospheric response to Gulf Stream front shifts: impact of horizontal resolution in an ensemble of global climate models', *EMS Annual Meeting 2021*
- [2-Poster] **Famooss Paolini, Luca**, Panos J. Athanasiadis, Paolo Ruggieri, Alessio Bellucci and Silvio Gualdi. 'Atmospheric response to Gulf Stream front shifts: impact of horizontal resolution in an ensemble of historical atmosphere-only simulations', *International workshop for mid-latitude air—sea interaction 2021*
- [1-Oral] **Famooss Paolini, Luca**, Panos J. Athanasiadis, Paolo Ruggieri, Alessio Bellucci and Silvio Gualdi. 'Atmospheric response to Gulf Stream front shifting: impact of horizontal resolution in an ensemble of global climate models', *8th SISC Annual Conference 2020*

Visiting periods

Visitor – Period abroad during the PhD

Geophysical Institute, University of Bergen, Bergen, Norway

May 2022, Jan 2023

Visitor – Period abroad during the PhD

Geophysical Institute, University of Bergen, Bergen, Norway

Sep 2021 to Dec 2021

Visitor – “EIT Climate-KIC- Pioneers into practice” Programme

Facultad de Física, Universidad de Valencia, Valencia, Spain

Sep 2019

Teaching activity

Tutor – “Climate system modelling” course

University of Bologna, Bologna, Italy

Academic year 2023/2024

Supervisor Master Degree students

University of Modena—Reggio Emilia and University of Bologna

Academic year 2019/2020 and 2022/2023

Teaching Assistant

Department of Management, Ca’ Foscari University, Venice, Italy

Academic year 2019/2020

Tutor – Statistics course

Department of Management, Ca’ Foscari University, Venice, Italy

Academic year 2018/2019 and 2019/2020

Awards, Grants

E3CI Hackathon “Communicate the weather extreme events” – 2nd place

CMCC, iFab, Leitha

Jan 2023

“Erasmus+ for Traineeship” Programme

Ca’ Foscari University, Venice, Italy

Academic year 2020/2021

“EIT Climate-KIC - Pioneers into practice” Programme

EIT Climate-KIC

2019

Scholarship for excellent results during University study

“Società Autostrade per l’Italia” Spa

Academic year 2011/2012

Scholarship for excellent results during University study

“Società Autostrade per l’Italia” Spa

Academic year 2010/2011

Projects and coordinated activities

- **TRIGGER**, Horizon-Europe Project: Contributor
- **ROADMAP**, JPI Ocean and Climate Project: Contributor
- **Workshop “Climate Change Communication”**, Feb 2023, Milan: co-organizer/staff

Languages

Italian: mother tongue **English:** C1, IELTS Certificate **Spanish:** B1