

**EUROPEAN FORMAT
FOR THE CURRICULUM
VITAE**

PERSONAL INFORMATION

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Nationality	Italian
Date of birth	18.02.1988

WORK EXPERIENCE

- **Researcher in Tenure Track (RTT)** at the Department of Physics and Astronomy 'Augusto Righi' and the Department of Biological, Geological and Environmental Sciences, University of Bologna, Italy (December 2025 – ongoing);
- **Adjunct Professor** at the Department of Physics and Astronomy 'Augusto Righi' and the Department of Biological, Geological and Environmental Sciences, University of Bologna, Italy (March 2025 – November 2025);
- **Research Fellow** at the Department of Physics and Astronomy 'Augusto Righi', University of Bologna, Italy (March 2025 – November 2025);
- **Assistant Professor** (February 2020 – February 2025) Department of Physics and Astronomy 'Augusto Righi', University of Bologna, Italy;
- **Post-doc Researcher** (September 2017 - February 2020) CMCC, Climate Simulations and Predictions Division, Bologna, Italy.

FORMATION

- **PhD (laude)** in Physical and Chemical Sciences, University of L'Aquila Supervisors: R. Buizza (ECMWF), F. Kucharski (ICTP), G. Visconti Thesis: Stratospheric and tropospheric linkages between Arctic and midlatitudes;
- **Master's Degree in Atmospheric Physics (laude)**
LM-17 University of L'Aquila Thesis: Impact of sea ice variability in the Barents-Kara Sea on the Euro-Atlantic sector;
- **Degree in Physics University of L'Aquila;**
- **4 ECMWF training courses** on Numerical Weather Prediction: European Centre for Medium-Range Weather Forecasting, Reading, UK: March 2014 **Data Assimilation** – 25 hours April 2014 **Parameterizations of Diabatic and Sub-Grid Processes** – 43 hours May 2014 **Predictability, diagnostics and long-term forecasting** – 37 hours June 2015 **Advanced numerical methods in Earth system modeling** – 30 hours;
- **Training course on Numerical Modelling:** Abdus Salam - International Centre for Theoretical Physics, Trieste;
- **ISSAOS Summer School:** Advanced Programming Techniques for Earth System Sciences, Gran Sasso Science Institute, L'Aquila, 2013;
- **Training course** on 'Probability and Uncertainty: two concepts to expand in Meteorology', ARPAE, Bologna, 30 hours.

TEACHING ACTIVITIES AT UNIVERSITY LEVEL

- **Supervisor** of 20 master's degree theses in the courses of Earth System Physics, Science of Climate and Physics of the University of Bologna, from February 2020 to date (17 completed, 3 in progress);
- **Supervisor** of 5 bachelor's degree theses in the Physics course of the University of Bologna;
- **Second and last author of a textbook** for university studies entitled 'Fluid dynamics: Fundamentals and Applications' published by the Springer publishing house.

TEACHING ASSIGNMENTS IN THE ACADEMIC YEAR 2025-26

- 1) **Formal responsibility of the** 'Climatology' course in the Master's Degree Course in Earth System Physics, University of Bologna (52 hours, from A.Y. 2023/24 to date, from A.Y. 2020/21 to A.Y. 2022/23 responsible for a single module of 28 hours);
- 2) **Formal responsibility of the course** 'Numerical Laboratory of the Atmosphere and Ocean' in the Master's Degree Courses in Science of Climate and in Physics of the Earth System, University of Bologna (32 hours, from A.Y. 2021/22 to date);
- 3) **Formal responsibility of a module** of the 'Modern Climate Change' course in the Master's Degree Course in Science of Climate, University of Bologna (16 hours, from A.Y. 2023/24 to date);
- 4) **Formal responsibility of the** course 'Climate Change Modelling' in the Second Level Master's Course in High Performance and Quantum Computing, University of Bologna (16 hours);
- 5) **Lecturer** of the course 'Climate Change and Climate Models' provided for UNIPOL employees by the University of Bologna (6 hours).

ASSIGNMENTS COMPLETED IN OTHER ACADEMIC YEARS:

- 1) **Lecturer** in a module of the course 'Dynamic Meteorology' in the Master's Degree Course in Physics of the Earth System, University of Bologna (2020, 20 hours);
- 2) **Formal responsibility of a module** of the course 'Geophysical Fluid Dynamics' PhD Course in Science and Management of Climate Change, Ca' Foscari University, Venice (2019-20 and 2020-21, 15 hours);
- 3) **Formal responsibility of a module** of the course 'Fundamentals of Atmospheric Physics and Meteorology', Degree in Physics, University of Bologna (2020, 24 hours).
- 4) **Formal responsibility of a course** within the Minor Degree Course 'The challenge of climate change', University of Bologna (8 hours, course already held in the A.Y. 2021-22);

OTHER EDUCATIONAL ACTIVITIES:

- 1) **Lecturer at the Collegio Superiore** of the University of Bologna for the A.Y. 2023-24, responsible for a module of the course 'The nature of the neutrino and the physics of earthquakes and the earth system';

- 2) **Member of the Organizing Committee and lecturer of the Summer School** on "Nature-based Solutions for hydro-meteo hazards and climate change adaptation" organized by the Department of Physics and Astronomy of the University of Bologna and UNESCO (from 2022 to date);
- 3) **Member of the Advisory Committee of the Summer School** on *Physical Sensing and Processing* organized by the Department of Physics and Astronomy of the University of Bologna (2021);
- 4) **Lecturer in a Summer school** organized by the European Science Education Research Association;
- 5) **Guest lecturer** at University of Barcelona and University of Glasgow;
- 6) Member of the **Quality Assurance Committees** of the Master's Degree courses in Physics of the Earth System and Science of Climate (University of Bologna).

RESPONSIBILITY, COORDINATION AND PARTICIPATION IN RESEARCH GROUPS

- 1) **Participation in the activities of the Atmospheric Physics Group** of the Department of Physics and Astronomy 'Augusto Righi';
- 2) **Co-leader of Open-Air Laboratory Italy** (2020-2022): the Open-Air Laboratory Italy, a pilot research team implemented by the OPERANDUM project (Innovation action of the H2020 program, coordinated by Prof. Silvana Di Sabatino). OAL-Italy coordinated the activities of about 30 researchers and stakeholders for the implementation and validation of 'Nature-based solutions' to mitigate hydro-meteorological risks in 3 sites in Emilia-Romagna;
- 3) **Responsibility for a Work Package** (WP co-leader) within the Horizon Europe **project ALBATROSS** (Advancing knowledge for Long-term Benefits and climate Adaptation ThRough hOlistic climate Services and nature-based Solutions);
- 4) **Responsibility for a Work Package** (WP leader) in the **MC-FORUM** project (Meteo and Climate exploitation of FORUM, call ASI CALL FOR IDEAS - Scientific activities to support the development of Earth Observation missions) funded by the Italian Space Agency;
- 5) **Task leader** in the H2020 **OPERANDUM PROJECT** (OPEN-AIR LABORATORIES FOR NATURE BASED SOLUTIONS TO MANAGE HYDRO-METEO RISKS, <https://www.operandum-project.eu/>);
- 6) **Task leader** in the Horizon Europe **Project TRIGGER** (SoluTions foR mltiGatinG climate-induced hEalth thReats, <https://project-trigger.eu/>);
- 7) **Task leader in the Horizon Europe LAND4CLIMATE Project** (UTILIZATION OF PRIVATE LAND FOR MAINSTREAMING NATURE-BASED SOLUTION IN THE SYSTEMIC TRANSFORMATION TOWARDS A CLIMATE-RESILIENT EUROPE, <https://land4climate.eu/>);
- 8) **Member of the Cluster of Excellence on Nature-based Solutions for Climate Change Adaptation and Mitigation**. The cluster is a consortium of 11 European and African universities with a ten-year work programme on nature-based solutions for adaptation and mitigation. The cluster was selected on a competitive basis by a panel of pro-rectors from The Guild of European Research-Intensive Universities (The Guild) and the African Research Universities Alliance (ARUA);

- 9) **Participation in the activities of an international research group** within the **Decadal Climate Prediction Project** (DCPP). The DCPP is an initiative of the World Climate Research Programme aimed at designing and producing climate forecasts on a multi-annual scale (up to ten years). I contributed to the results of the project by coordinating the analysis of a set of simulations produced by 7 meteorological centers in Europe and the USA. The results are documented in the scientific article below.

Ruggieri, Paolo, et al. "Atlantic multidecadal variability and North Atlantic jet: a multimodel view from the decadal climate prediction project." *Journal of Climate* 34.1 (2021): 347-360.

The work is cited in Assessment Report 6 of the Intergovernmental Panel on Climate Change (IPCC).

Participation is also documented in the following articles

- Smith, Doug M., et al., (2020), North Atlantic climate far more predictable than models imply. *Nature* 583.7818, 796-800.
- D. Nicoli, A. Bellucci, Iovino D., Ruggieri, P., Gualdi S., (2020) Decadal predictability of Siberian summer precipitation: the role of the Atlantic Multidecadal Variability, *Scientific Reports*, 10(1), 1-11.
- M. A. Ehsan, D. Nicoli, F. Kucharski, M. Almazroui, M. K. Tippett, A. Bellucci, P. Ruggieri, (2020), Atlantic Ocean forcing of Arabian Peninsula summer surface air temperature: An Ocean-Desert mechanism, *Climate and Atmospheric Science*, 3.1 : 1-8
- Nicoli D., Bellucci A., Ruggieri P. et al. The CMCC Decadal Prediction System, *Geoscientific Model Development* (2022);

- 10) **Formal assignment of a research assignment within the ECOSISTER project** (Territorial Innovation Ecosystem of Emilia-Romagna) as part of a Work Package dedicated to HPC simulations for sustainability;
- 11) **Principal Investigator** of the computational projects: IS CRA class B (HP10B4I2KH) SeaReFor - CINECA, 2018-2020; IS CRA class C (HP10CBIXJ1) S2D-ARC - CINECA, 2018-2020;
- 12) **Member of the COST Action MEDUSSE** (Seasonal-to-decadal climate predictability in the Mediterranean: process understanding and services);
- 13) **Academic tutor of 9** curricular and post-graduate internships at research institutions.

RESEARCH ACTIVITIES

-**Author or co-author of 38** peer-reviewed articles

-**Scopus bibliometric indicators** (updated to 22/6/2025):

Number of documents: 39

Citation Count: 668

H-index: 15

-**Supervisor or co-supervisor** of 8 PhD theses in the PhD Course in Science and Management (2, Ca' Foscari University) and in the PhD Course in Future Earth, Climate Change and Societal Challenges (6, University of Bologna)

-PhD Course in Science and Management of Climate Change, Ca' Foscari University

- a) Luca Famooss Paolini (co-supervisor, 34th cycle), thesis discussed with the title: 'Ocean-atmosphere interaction at the Gulf Stream sea surface temperature front: variability and impacts on midlatitude atmospheric circulation';
- b) Elena Bianco (co-supervisor, 35th cycle), thesis entitled: 'Sub-seasonal to seasonal drivers of Arctic sea ice variability';

-PhD Course Future Earth, Climate Change and Societal Challenges, University of Bologna

- c) Marco Possega (co-supervisor, 36th cycle), thesis entitled: 'Analysis of heat-related phenomena and their interactions at different spatio-temporal scales';
- d) Federico Gargiulo (supervisor, 39th cycle), in progress;
- e) Irene Trombini (co-supervisor, 39th cycle), in progress, with a place of work at CNR-ISAC;
- f) Marco Buccellato (co-supervisor, 39th cycle), in progress, with a place of work at CNR-ISAC;
- g) Lorenzo Mele (co-supervisor, 40th cycle), ongoing;
- h) Gabriele Bentivoglio (supervisor, 40th cycle), ongoing;

-Principal Investigator (PI) of TRANSLATE (climaTe Risk informAtion from eNsemble weAther and climaTe prEdictions), a Project of Relevant National Interest (PRIN, 230k euros). The project involves the application of seasonal and sub-seasonal forecasts for the creation of a catalog of plausible river flood events;

-Tutor of 2 research grants (within PRIN TRANSLATE) and **1 collaboration contract** (within the ASI MC-FORUM project) at the Department of Physics and Astronomy 'Augusto Righi' of the University of Bologna;

- Member of the research team proposing the project proposals admitted to funding:

- 1) LAND4CLIMATE (Horizon-Europe) for the evaluation of the effect of Nature-based Solutions in future climate and socio-economic scenarios
- 2) SINTESI (SInossi di eveNTi Extreme costiers for climate adaptation in Emilia-Romagna) funded by the University of Bologna
- 3) ALBATROSS (Advancing knowledge for Long-term Benefits and climate Adaptation ThRough hOlistic climate Services and nature-based Solutions, Horizon-Europe)
- 4) MC-FORUM (Call for proposals ASI CALL FOR IDEAS - Scientific activities to support the development of Earth Observation missions)
- 5) MEDUSSE (COST Action, Seasonal-to-decadal climate predictability in the Mediterranean: process understanding and services);

-Documented research activity in the following Horizon projects under postdoctoral research contracts:

- 1) EUCP, H2020: 2019-2020
- 2) Blue-Action, H2020: Deliverable Author, 2018-2020
- 3) MEDSCOPE, ERA4CS:, deliverable author, 2019-2020.

PUBLIC ENGAGEMENT

- 1) Member of the **Public Engagement Commission** of the Department of Physics and Astronomy, University of Bologna with responsibility for climate and sustainable development events;
- 2) **Among the organizers of the ASVIS event** 'Physics and Environment' (2024);
- 3) **Lecturer in the framework of the Scientific Degree Plan** on issues related to the foundations of climate science and uncertainty in climate forecasts and projections.

AWARDS AND RECOGNITIONS FOR RESEARCH, PUBLISHING AND REVIEW ACTIVITIES

- 1) **National Scientific Qualification for the functions of Associate University Professor** in the Competition Sector 02/C1 - ASTRONOMY, ASTROPHYSICS, PHYSICS OF THE EARTH AND PLANETS;
- 2) **Young Scientist Travel Award**, European Meteorological Society, 2016;
- 3) **ECMWF Expert Trainer** - Selected to train on climate services by the European Centre for Medium-Range Weather Forecast (ECMWF) as part of an international call for applications for the Copernicus Climate Change Service;
- 4) **Reviewer** for the US National Science Foundation, Climate and Large-Scale Dynamics funding program;
- 5) **Reviewer** for: *Journal of Climate*, *Climate Dynamics*, *Climate and Atmospheric Science*, *International Journal of Climatology*, *Geophysical Research Letters*, *Scientific Reports*, *Bulletin of the Atmospheric Science and Technology*, *Environmental Research Letters*;
- 6) **Reviewer** for IPCC-AR6;
- 7) **Member of the editorial board** of the open access, peer-reviewed journal 'Discover Atmosphere', published by Springer.

LECTURES AT CONFERENCES AND CONGRESSES, INVITED SEMINARS AND ORGANIZATIONAL ROLES

Author or co-author of more than 60 abstracts of conference papers, (documented on the web page <https://orcid.org/0000-0003-1996-7206> in the 'works' section) at international conferences, mainly the Annual Meeting of the European Meteorological Society and the General Assembly of the European Geosciences Union. More than 10 oral presentations as first author.

ORGANIZATIONAL ROLES

- 1) **Convener** (from 2022 to date) of the *Mid-latitude atmospheric teleconnection dynamics* session, at the international conference Annual Meeting of the European Meteorological Society;
- 2) **Convener** of the session *Explore, predict and project climate variations and extremes*, 8th SISC Annual Conference 2020;
- 3) **Member of the Scientific Committee** of the annual conference of the Italian Association of Atmospheric Sciences and Meteorology (AISAM) for the 2024 edition;
- 4) **Organizer of a series of seminars** for the Master's Degree in Earth System Physics, University of Bologna. The cycle is in its fifth edition and typically includes between 15 and 20 seminars by researchers from research institutions (CNR, INGV, ARPAE, from 2021 to date);
- 5) **Delegate of the Academic Board** for the organization of the teaching of the PhD Course in Future Earth, Climate Change and Societal Challenges (from 2023, about 13-15 courses activated each year);
- 6) **Director** (one of four co-directors) of the '4th Open-IFS workshop' event, organized by ICTP, ECMWF and the University of L'Aquila. The event is documented in the ECMWF Newsletter, available at the <https://www.ecmwf.int/en/elibrary/80308-newsletter-no-153-autumn-2017> link and on the official <https://indico.ictp.it/event/7967/> page;
- 7) **Organizer of the online workshop** : *Pending issues of the ENSO teleconnections* (8 speakers, about 30 participants), organized by the University of Bologna and the University of Barcelona, January 2020;
- 8) **Moderator** of the *Open-Air Laboratory Italy Policy Roundtable*, Round table with OAL-Italy researchers and policy makers, 2022.

INVITED TALKS AND KEYNOTES

- 1) **Speaker** at the 7th Conference on European Climate Change Adaptation, Rimini, June 2025, in the session 'Physical Climate Storylines in Impact and Adaptation Research of Future Climate Extremes';
- 2) **Keynote plenary talk** at the ESERA-SIG8 (European Science Education Research Association) conference, invited to attend the conference, February 2025 Bologna;
- 3) **Invited seminar** at LSCE-IPSL Paris entitled: 'SPEEDY-NEMO: performance and applications of a fully-coupled intermediate-complexity climate model', 2025;
- 4) **Invited talk** at the workshop: *Elements for the production of Objective Seasonal Forecasts* entitled *Predictability from Siberian snow cover and sea ice*, 2022. The event is organized by the World Meteorological Organisation (WMO) and the Spanish Meteorological Agency (AEMET);
- 5) **Invited talk** (2022) at COP27, UNESCO Pavilion. I was invited by the UNESCO Disaster Risk Reduction Unit to give a 10-minute speech entitled 'Nature based solutions for disaster risk reduction' in the session 'Nature-based solutions for strengthening climate and disaster resilience: toward comprehensive risk management';

- 6) **Panelist** at the panel discussion *Reconnecting water management with nature: Upscaling Nature-Based Solutions*, World Water Week conference in Stockholm, 2022;
- 7) **Invited seminar** at the Centre for Mathematical Sciences, Department of Applied Mathematics and Theoretical Physics, University of Cambridge, UK (2015). Seminar entitled: 'A stratospheric link between sea ice variability and European weather';
- 8) **Invited seminar** at the University of Hamburg and the Max Planck Institute, Title: *Atlantic Multidecadal Variability and North Atlantic Storm Track*, 2019;
- 9) **Invited Seminar** *Thermodynamic cycles in the stratosphere*, University of Barcelona, Department of Applied Physics, 2019;
- 10) **Invited Seminar**: *The atmospheric response to an impulsive sea-ice forcing*, Joint Seminar, University of Helsinki-Finnish Meteorological Institute, Helsinki - Finland, 2017;
- 11) **Invited Seminar** *A stratospheric link between Barents-Kara Sea-Ice and European Weather*, University of Cambridge (UK), Department of Applied Mathematics and Theoretical Physics, 2016;
- 12) **Speaker** at the international workshop **Atmospheric Circulation in a Changing Climate** (Madrid, 22-25 October 2019) with a presentation entitled Seasonal Forecast in the Winter Stratosphere.

PERIOD OF VISIT TO OTHER INSTITUTIONS

- Department of Meteorology, University of Barcelona, Spain, 2019
- Department of Meteorology, University of Reading, UK, 2017
- International Centre for Theoretical Physics, Trieste, Italy, 2016
- University of Helsinki, Finland, 2016

OTHER TASKS AND RESPONSIBILITIES

- 1) **Chairman** of the Examining Committee for the assignment of a fixed-term researcher position at the Institute of Atmospheric Sciences and Climate of the National Research Council (call 331.2 ISAC 2025);
- 2) **Full member** of the Examining Committee for the assignment of a fixed-term researcher position at the Institute of Atmospheric Sciences and Climate of the National Research Council (call 400-2 ISAC 2024);
- 3) Full member of the **Admission Committee** to the PhD Course in Future of the Earth, Climate Change and Social Challenges of the University of Bologna for the call for the cycle 38;
- 4) Full member of the **Admission Committee** to the PhD Course in Future of the Earth, Climate Change and Social Challenges of the University of Bologna for the call for the cycle 39;

- 5) Full member of the **Admission Committee** to the PhD Course in Future of the Earth, Climate Change and Social Challenges of the University of Bologna for the call for the 40th cycle;
- 6) Full member of one of the **Final Examination Committees** of the PhD Course in Future of the Earth, Climate Change and Social Challenges of the University of Bologna for cycle 35;
- 7) Full member of the **Final Examination Commission** of the PhD Course in Geophysics of the University of Bologna for cycle 34;
- 8) Computational referent for the Atmospheric Physics group for Open Physics Hub (2020-2025).

BANNS

- 39 Famooss Paolini L., **Ruggieri P.**, et al., Hybrid statistical–dynamical seasonal prediction of summer extreme temperatures in Europe (2025) Quarterly Journal of the Royal Meteorological Society, 151 (766).
- 38 Bianco, Elena, et al. "CMIP6 models underestimate Arctic sea ice loss during the Early Twentieth-Century Warming, despite simulating large low-frequency sea ice variability." Journal of Climate 37.23 (2024): 6305-6321.
- 37 Aragao L.; Armigliato A.; Brancaccio R.; Brofferio C.; Castellaro S.; D'Addabbo A.; De Luca G.; Del Corso F.; Di Sabatino S.; Liu R.; Marini L.; Nutini I.; Quitadamo S.; **Ruggieri P.**; Vetter K.J.; Zavatarelli M.; Zucchelli S., The environmental low-frequency background for macro-calorimeters at the millikelvin scale, «THE EUROPEAN PHYSICAL JOURNAL. C, PARTICLES AND FIELDS», 2024, 84, Article number: 728, pp. 1 – 11
- 36 De Rovere F., et al., Winter Intrusions of Atlantic Water in Kongsfjorden: Oceanic Preconditioning and Atmospheric Triggering (2024) Journal of Geophysical Research: Oceans, 129 (7).
- 35 Famooss Paolini, Luca; Omrani, Nour-Eddine; Bellucci, Alessio; Athanasiadis, Panos J.; **Ruggieri, Paolo**; Patrizio, Casey R.; Keenlyside, Noel, Nonstationarity in the NAO–Gulf Stream SST Front Interaction, «JOURNAL OF CLIMATE», 2024, 37, pp. 1629 - 1650
- 34 **Ruggieri, Paolo**; Abid, Muhammad Adnan; García-Serrano, Javier; Grancini, Carlo; Kucharski, Fred; Pascale, Salvatore; Volpi, Danila, SPEEDY-NEMO: performance and applications of a fully-coupled intermediate-complexity climate model, «CLIMATE DYNAMICS», 2024, 62, pp. 3763 - 3781 [article]
- 33 Bowyer P. et al., Modelled effectiveness of NbS in reducing disaster risk: Evidence from the OPERANDUM project (2024) Nature-Based Solutions, 5, art. No. 100127.
- 32 Bianco, Elena; Iovino, Dorotea; Masina, Simona; Materia, Stefano; **Ruggieri, Paolo**, The role of upper-ocean heat content in the regional variability of Arctic sea ice at sub-seasonal timescales, «THE CRYOSPHERE», 2024, 18, pp. 2357 - 2379
- 31 Palmeiro F.M.; Garcia-Serrano J.; Ruggieri P.; Batte L.; Gualdi S., On the Influence of ENSO on Sudden Stratospheric Warmings, «JOURNAL OF GEOPHYSICAL RESEARCH. ATMOSPHERES», 2023, 128, Article number: e2022JD037607, pp. 1 - 21

- 30 Kristian Strommen; Tim Woollings; Paolo Davini; **Paolo Ruggieri**; Isla R. Simpson, Predictable decadal forcing of the North Atlantic jet speed by sub-polar North Atlantic sea surface temperatures, «WEATHER AND CLIMATE DYNAMICS (ONLINE)», 2023, 4, pp. 853 - 874
- 29 Shah M.A.R.; Xu J.; Carisi F.; De Paola F.; Di Sabatino S.; Domeneghetti A.; Gerundo C.; Gonzalez-Ollauri A.; Nadim F.; Petruccelli N.; Polderman A.; Pugliese F.; Pulvirenti B.; **Ruggieri P.**; Speranza G.; Toth E.; Zieher T.; Renaud F.G., Quantifying the effects of nature-based solutions in reducing risks from hydrometeorological hazards: Examples from Europe, «INTERNATIONAL JOURNAL OF DISASTER RISK REDUCTION», 2023, 93, Article number: 103771, pp. 1 - 24
- 28 Dario Nicoli; Alessio Bellucci; **Paolo Ruggieri**; Panos J. Athanasiadis; Stefano Materia; Daniele Peano; Giusy Fedele; Riccardo Henin; Silvio Gualdi, The Euro-Mediterranean Center on Climate Change (CMCC) decadal prediction system, «GEOSCIENTIFIC MODEL DEVELOPMENT», 2023, 16, pp. 179 - 197
- 27 Di Carlo E.; **Ruggieri P.**; Davini P.; Tibaldi S.; Corti S., ENSO teleconnections and atmospheric mean state in idealised simulations, «CLIMATE DYNAMICS», 2022, 59, pp. 3287 - 3304
- 26 Dobrynin M.; Dusterhus A.; Frohlich K.; Athanasiadis P.; **Ruggieri P.**; Muller W.A.; Baehr J., Hidden Potential in Predicting Wintertime Temperature Anomalies in the Northern Hemisphere, «GEOPHYSICAL RESEARCH LETTERS», 2022, 49, Article number: e2021GL095063, pp. 1 - 11
- 25 Bellucci A.; Mattei D.; **Ruggieri P.**; Famooss Paolini L., Intermittent Behavior in the AMOC-AMV Relationship, «GEOPHYSICAL RESEARCH LETTERS», 2022, 49, Article number: e2022GL098771, pp. 1 - 10
- 24 Athanasiadis P.J.; Ogawa F.; Omrani N.-E.; Keenlyside N.; Schiemann R.; Baker A.J.; Vidale P.L.; Bellucci A.; **Ruggieri P.**; Haarsma R.; Roberts M.; Roberts C.; Novak L.; Gualdi S., Mitigating Climate Biases in the Midlatitude North Atlantic by Increasing Model Resolution: SST Gradients and Their Relation to Blocking and the Jet, «JOURNAL OF CLIMATE», 2022, 35, pp. 6985 - 7006
- 23 Possega, Marco; Aragao, Leonardo; **Ruggieri, Paolo**; Saint, Mark Antony; Di Sabatino, Silvana, Observational evidence of intensified nocturnal urban heat island during heatwaves in European cities, «ENVIRONMENTAL RESEARCH LETTERS», 2022, 17, Article number: 124013, pp. 1 - 12
- 22 **Ruggieri, P.**; Benassi, M.; Materia, S.; Peano, D.; Ardilouze, C.; Batte, L.; Gualdi, S., On the role of Eurasian autumn snow cover in dynamical seasonal predictions, «CLIMATE DYNAMICS», 2022, 58, pp. 2031 - 2045
- 21 Langehaug H.R.; Ortega P.; Counillon F.; Matei D.; Maroon E.; Keenlyside N.; Mignot J.; Wang Y.; Swingedouw D.; Bethke I.; Yang S.; Danabasoglu G.; Bellucci A.; **Ruggieri P.**; Nicoli D.; Arthun M., Propagation of Thermohaline Anomalies and Their Predictive Potential along the Atlantic Water Pathway, «JOURNAL OF CLIMATE», 2022, 35, pp. 2111 - 2131
- 20 Famooss Paolini L.; Athanasiadis P.J.; **Ruggieri P.**; Bellucci A., The Atmospheric Response to Meridional Shifts of the Gulf Stream SST Front and Its Dependence on Model Resolution, «JOURNAL OF CLIMATE», 2022, 35, pp. 6007 - 6030

- 19 Bellucci A.; Athanasiadis P.J.; Scoccimarro E.; **Ruggieri P.**; Gualdi S.; Fedele G.; Haarsma R.J.; Garcia-Serrano J.; Castrillo M.; Putrahasan D.; Sanchez-Gomez E.; Moine M.-P.; Roberts C.D.; Roberts M.J.; Seddon J.; Vidale P.L., Air-Sea interaction over the Gulf Stream in an ensemble of HighResMIP present climate simulations, «CLIMATE DYNAMICS», 2021, 56, pp. 2093 - 2111
- 18 **Ruggieri P.**; Bellucci A.; Nicoli D.; Athanasiadis P.J.; Gualdi S.; Cassou C.; Castruccio F.; Danabasoglu G.; Davini P.; Dunstone N.; Eade R.; Gastineau G.; Harvey B.; Hermanson L.; Qasmi S.; Ruprich-Robert Y.; Sanchez-Gomez E.; Smith D.; Wild S.; Zampieri M., Atlantic multidecadal variability and north atlantic jet: A multimodel view from the decadal climate prediction project, «JOURNAL OF CLIMATE», 2021, 34, pp. 347 - 360
- 17 Benassi M.; Conti G.; Gualdi S.; **Ruggieri P.**; Materia S.; Garcia-Serrano J.; Palmeiro F.M.; Batte L.; Ardilouze C., El Niño teleconnection to the Euro-Mediterranean late-winter: the role of extratropical Pacific modulation, «CLIMATE DYNAMICS», 2021, 1, pp. 1 - 21
- 16 Gallotti G.; Santo M.A.; Apostolidou I.; Alessandri J.; Armigliato A.; Basu B.; Debele S.; Domeneghetti A.; Gonzalez-Ollauri A.; Kumar P.; Mentzafou A.; Pilla F.; Pulvirenti B.; **Ruggieri P.**; Sahani J.; Salmivaara A.; Basu A.S.; Spyrou C.; Pinardi N.; Toth E.; Unguendoli S.; Pillai U.P.A.; Valentini A.; Varlas G.; Zaniboni F.; Di Sabatino S., On the management of nature-based solutions in open-air laboratories: New insights and future perspectives, «RESOURCES», 2021, 10, Article number: 36, pp. 1 - 21
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In faith
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