

Research evaluation Indexes (June 2023)

	ISI web of science	Google scholar
H index	31	38
i10 index	63	73
Citations	3446	5310

Education

- National Academic Qualification as Full Professor
Abilitazione Scientifica Nazionale, I fascia, A4/04 Geofisica 12/04/2021
- National Academic Qualification as Associate Professor
Abilitazione Scientifica Nazionale, II fascia, A4/04 Geofisica 04/04/2017
- Laurea in Marine Environmental Sciences.
Bologna University 2000
Final Dissertation title: Analysis of Temperature Data in the Mediterranean Sea, sampled in Real Time.
- Italian equivalent to A-Levels in Electronics and Telecommunications 1993

Schools Participations

- Introduction to Message-Passing Interface, CINECA (Bologna) 10/2002
- INFN-GRID/European Data Grid User Tutorial
C/O Istituto Nazionale di Fisica Nucleare (Torino) 12/2002
- PRISM Training Meeting
C/O Max Plank Institute (Hamburg) 06/2003
- International Summer School on Grid Computing, Vico Equense (Napoli) 07/2003

Awards

- Honorable mention at the 2nd Annual Conference of the Societa' Italiana per le scienze del Clima (SISC) with the paper: "Tropical cyclone rainfall changes in response to a warmer climate and increased CO2" 30-09-2014

Position

- Senior Scientist at CMCC Bologna. 2019-now
- Scientist at CMCC Bologna. 2017-2018
- Scientist at INGV Bologna. 2003-2016
- Grant Holder at INGV. 2002 –2003
- Military service as Officer in the Marina Militare Italiana (Italian Navy). 2001 – 2002

Teaching Activities

- Tutorial on "MATLAB & Practical Applications on Climate Variability Studies". (Scoccimarro E., Carril F.A.)
Centro de Investigaciones del Mar y la Atmosfera. – UBA,
Buenos Aires, Argentina. (20-24/02/2006)
Tutorial Link: <http://www.earth-prints.org/handle/2122/1044>

- Tutorial on “MATLAB & Practical Applications on Climate Variability Studies”.
(Scoccimarro E., Carril F.A.)
Dep. de Ciencias de la Atmósfera y los Océanos, FCEN – UBA.
Buenos Aires, Argentina. (05-09/03/2007)
- Lecturer at the Modelling climate change impacts on water and crops at different scales.
CMCC Fall School, Alghero (05-09/11/2012)
- Lecturer at the Univeristy Master PIROS “Pianificazione, Prevenzione e Lotta agli Incendi
Boschivi in Area Mediterranea”
University of Sassari, Sassari (2013)
- Lecturer at the Global change and sustainability course
Alta Scuola Politecnica – Politecnico di Milano, Milano (2015)
- Lecturer at the “Crash Course on Climate and Earth System Models
Nelson Mandela Metropolitan University South Campus,
Porth Elizabeth, South Africa (2016)
- Lecturer at the Ph.D. course in Science and management of Climate Change
Ca Foscari University, Venice, (2015-2016-2017-2018-2019-2020)
- Lecturer at the International Training Course on Climate Services for disaster prevention
within the “Climate Change Adaptation and Disaster Risk Reduction in Agriculture”
CNR, Florence (Nov 2017)

Reviewing activity

- Editor for *Annals of Geophysics*
(<https://www.annalsofgeophysics.eu/index.php/annals/about/editorialTeam>) (since 2017)
- Editor for *Atmosphere*
(<https://www.mdpi.com/journal/atmosphere>) (since 2019)
- Editor for *Frontiers in Earth Science*
(<https://www.frontiersin.org/journals/earth-science/sections/hydrosphere>) (since 2022)

-Peer Reviewing of Articles for the following Scientific Journals:

Atmosphere	(2019,2020, 2021)
Atmospheric Chemistry and Physics	(2020)
Atmospheric Science Letters	(2015)
Advances in Meteorology	(2017)
Advances in Water Resources	(2016)
Annals of the New York Academy of Sciences	(2019)
Bulletin of the American Meteorological Society	(2013, 2016)
Climate and Atmospheric Science npj	(2019)
Climatic Change	(2014,2017, 2020)
Climate Dynamics	(2012, 2016, 2017, 2018,2019, 2021)
Climate Research	(2013)
Catena	(2017)
Environmental Research Communications	(2019)
Environmental Research Letters	(2021)
Frontiers	(2019)
Geophysical Research Letters	(2013,2014,2015,2016,2017 ,2019, 2020, 2021, 2023)
Geoscientific Model Development	(2017,2018)
International Journal of Climatology	(2019)
Journal of the Atmospheric Sciences	(2011)
Journal of Climate	(2011,2012,2013,2014,2015,2017,2018,

	2020,2021,2022)
Journal of Geophysical Research – Ocean	(2017)
Journal of Geophysical Research – Atmosphere	(2018,2019)
Journal of Hydroinformatics	(2019)
Journal of Operational Oceanography	(2021)
Hydrology and Earth System Sciences	(2018)
Meteorology and Atmospheric Physics	(2013)
Natural Hazard	(2016)
Nature Communications	(2022, 2023)
Progress in Oceanography	(2016)
Proceedings of the National Academy of Sciences – PNAS	(2017, 2020,2021)
Quarterly Journal of the Royal Meteorological Society	(2015)
Scientific Reports	(2016, 2019)
Weather and Climate Extremes (WACE)	(2020, 2021)

- Reviewing activity for scientific international (NOAA) research funding institutions with a focus on Climate and Extreme Events. (2012)
- Reviewing activity IPCC 5th Assessment Report (AR5) (2012)
- Reviewing activity for IOWA Water Center (2012)
- Reviewing activity for Israel Ministry of Science and Technology (2017)
- Reviewing activity for NERC - UK (2017)
- Reviewing activity for PRACE – EU HPC resources assignment (2017)
- Reviewing activity for ISCRA– CINECA HPC resources assignment (2018)
- Reviewing activity for Israel Science Foundation (ISF) (2021)

Other professional Activities

- Deputy Director of the Climate Simulation and Prediction division at CMCC since 2020
- Member of the U.S. CLIVAR Hurricane Working Group since 2011
- Convener of the AS1.15 session “Tropical Meteorology” at the European Geosciences Union General Assembly, Vienna since 2015
- Responsible of the CMCC computing system located in Bologna. Since 2012
- Reference person for the “Climate and Ocean” research group of the INGV Bologna section. (May 2015 – Dec. 2016)
INGV Decreto del Direttore della sezione di Bologna dell’INGV Prot n. 19/2015
- Reference person for the Research Activity LdA4 “Climate and Ocean” of the INGV Environmental division (Struttura Ambiente) (May 2015 – Dec. 2016)
INGV Decreto del direttore della struttura Ambiente INGV Prot. n. 2/2015
- Member of the European Marine Board Expert Group for the definition of the Strategic Research Agenda (SRA) for Oceans and Human Health (OHH) in Europe (2018-2020)
- Member of the Management Committee of the European Cooperation in Science and Technology COST action “Mediterranean cyclones in weather and climate” - CA19109. (since June 2020)
- Member of the CMIP7 Model Benchmarking task team (Since 2023)

Research Projects participation

- **PRISM** (Programme for Integrated earth System Modelling). Participant by INGV. Project supported by the European Commission. INGV, Bologna, Italy. (2002-2004)
- **FIRB-Grid.it** (a National Italian Project on Enabling Platforms for High-performance Computational Grids) Participant by INGV. INGV, Bologna, Italy. (2003-2006)
- **ENSEMBLES** (based predictions of climate changes and their impacts) Participant by INGV. Project supported by the European Commission. INGV, Bologna, Italy. (2006-2008)
- **CIRCE** (Climate change and Impact Research: The Mediterranean Environment) Participant by INGV. Project supported by the European Commission. INGV, Bologna, Italy. (2009-2010)
- **CLUVA** (CLimate change and Urban Vulnerability in Africa). Participant by INGV-CMCC. Project supported by the European Commission. (2010-2012)
- **TCMIP** (Tropical Cyclone Model Intercomparison Project) Participant by INGV-CMCC. (2009-2011)
- **FUME** (Forest fire under climate, social and economic changes) Participant by INGV-CMCC. Project supported by the European Commission. CMCC, Bologna, Italy. (2010-2013)
- **US-CLIVAR** Hurricane Working Group. Participant by INGV-CMCC. (2011-2014)
- **NextData** (A national system for the retrieval, storage, access and diffusion of environmental and climate data from mountain and marine areas). Participant by INGV-CMCC. (2013-2014)
- **BASE** (<http://base-adaptation.eu>)
BASE is a Bottom-Up Climate Adaptation Strategies Towards a Sustainable Europe” project, to support action for sustainable climate change adaptation in Europe. BASE makes experiential and scientific information on adaptation meaningful, transferable and easily accessible to decision-makers at all levels. The project is funded under the EUs 7th Research Framework Programme (FP7). (2015)
- **PRIMAVERA** (<https://www.primavera-h2020.eu/>)
Project to develop a new generation of advanced high-resolution global climate models, capable of simulating and predicting regional climate with unprecedented fidelity, for the benefit of governments, business and society in general). Participant by CMCC. (2016-2020)
- **ICARUS** (<http://icarus2020.eu>)
ICARUS is an Integrated Climate forcing and Air pollution Reduction in Urban Systems – that will develop integrated tools and strategies for urban impact assessment with the aim to improve the air quality and reduce the carbon footprint in EU Member States. The project is funded under the EUs H2020 program. Participant as CMCC Principal Investigator. (2016-2021)
- **BlueHealth** (<https://bluehealth2020.eu>)
BlueHealth is a pan-European research initiative investigating the links between environment, climate and health. Participant as CMCC Principal Investigator. (2016-2020)
- **COACCH** (<https://www.coacch.eu/>)
COACCH aims to develop an innovative science-practice and integrated approach to co-design and co-deliver an improved downscaled assessment of the risks and costs of climate change in Europe, working with end users from research, business, investment, and policy making communities throughout the project. Participant as WP3 co-leader. (2017-2021)
- **ADRIADAPT** (<https://www.cmcc.it/it/projects/adriadapt-a-resilience-information-platform-for-adriatic-cities-and-towns>)

ADRIADAPT aims at harmonize and improve available climate related knowledge generated by existing national and European monitoring and data collection networks, and produce high resolution datasets and projections that provide detailed and reliable information on climate-related impacts in the regions. Maintain and disseminate the information contained in the knowledge platform as a region specific repository for climate policy and plans, which provides support and locally relevant information for follower cities aiming at climate resilience planning. Participant as WP3 leader. (2019-2021)

-SAM-PS (<https://www.cmcc.it/it/projects/sam-ps-study-on-adaptation-modelling>)

SAM-PS – Study on Adaptation Modelling. SAM-PS focuses in a broad and comprehensive manner on adaptation modelling. Its overall objective is to support better-informed decision-making on adaptation, which is among the priority areas of the EU Strategy on adaptation to climate change. Participant as Activity 3 (Recommended approach to analysis) leader. (2019-2021)

-CLINT

CLImate INTelligence: Extreme events detection, attribution and adaptation design using machine learning. The main objective of CLINT is the development of an AI framework composed of Machine Learning (ML) techniques and algorithms to process big climate datasets for improving Climate Science in the detection, causation and attribution of Extreme Events, including tropical cyclones, heatwaves and warm nights, and extreme droughts, along with compound events and concurrent extremes. Participant as WP3 leader and CMCC Principal Investigator. (2021-2025)

- BLUEADAPT

Blueadapt studies the impact of climate change on health risks due to pathogens in the environment, specifically in our coastal waters. BlueAdapt is an acronym for “Reducing Climate Based Risks in Blue Environments: Adapting to the climate change impacts on coastal pathogens.” It involves 12 institutes from across 10 countries in Europe, including EuroHealthNet. The project brings together an interdisciplinary team of researchers, including microbiologists, epidemiologists, economists, climate scientists, public health specialists and policy specialists in order to investigate the complex interactions between climate change, pathogen dynamics and human health. Partners will develop a conceptual framework to help understand these interactions, which will be based on an extended One Health approach, linking human and environmental health and also including a health equity lens.

Invited seminars held at Universities and Research Centers:

1. Tropical cyclones interaction with the climate system. Justus-Liebig-Universität Gießen, Institut für Geographie, Gießen, Germany. (July 2013)
2. Tropical cyclones interaction with ocean and sea ice dynamics. School of earth sciences, University of Melbourne. Melbourne, Australia. (March 2014)
3. Tropical cyclones interaction with ocean and sea ice dynamics. CSIRO Marine and Atmospheric research. Aspendale, Australia. (March 2014)
4. Tropical Cyclone interaction with climate. University of Cape Town – UCT. Cape Town, South Africa. (August 2016)

Invited talks at International Conferences (9):

1. **Scoccimarro E.** , S. Gualdi et al, Heavy precipitation events in a warmer climate, results from CMIP5 models. H52B-03
AGU Fall Meeting. S.Francisco, California. (December 2013)
2. **Scoccimarro E.**, S. Gualdi, A. Bellucci, M. Zampieri, and A. Navarra: Heavy precipitation events over the Euro-Mediterranean region in a warmer climate: results from CMIP5 models EGU2014-3967. Wien, Austria (April 2014)
3. **Scoccimarro E.** et al.: Heavy precipitation events over the Euro-Mediterranean region in a warmer climate: results from CMIP5 models.
Milankovitch Anniversary UNESCO Symposium, Belgrade (September 2014)
4. **Scoccimarro E.** et al.: Intense precipitation events associated with landfalling tropical cyclones in response to a warmer climate and increased CO₂.
5th International Summit on Hurricanes and Climate Change, Crete, Greece (June 2015)
5. **Scoccimarro E.** et al, Projected changes in intense precipitation over Europe at the daily and sub-daily time scales.
AGU Fall Meeting. S.Francisco, California. (December 2015)
6. **Scoccimarro E.** et al.: Extreme events of perceived temperature over Europe in the future: the humidity role. ECCSI symposium. Belgrade. Serbia (October 2017)
7. **Scoccimarro E.** , G. Villarini, M. Vichi, M. Zampieri, A. Bellucci, P.G. Fogli, and S. Gualdi: Future changes in intense precipitation over Europe at the daily and sub-daily time scales. Vienna EGU2018-15634 (April 2018)
8. **Scoccimarro E.**: Tropical Cyclones in a changing climate. EIEE-CMCC Keynote Lecture-Econometric Models of Climate Change Conference. Milan (August 2019)
9. **Scoccimarro E.**, E. Clementi: Tropical Cyclone-like events and their interaction with the ocean. Workshop on Future Risks and Impacts of Intense Mediterranean Cyclones Baeza, Spain. Universidad Internacional de Andalucia. (May 2021)

Publications

International peer-reviewed publications (77)

1. Manzella G.M.R., **Scoccimarro E.**, Pinardi N. and Tonani M.: Improved near real time data management procedures for the Mediterranean Ocean Forecasting System – Voluntary Observing Ship program.
Special Issue EGS journal, *Annales Geophysicae* (2003)
2. Pinardi N., Bonazzi A., **Scoccimarro E.**, Dobricic S., Navarra A., Ghiselli A., Veronesi P.: Very Large ensemble ocean forecasting experiment using the Grid computing infrastructure.
Bulletin of American Meteorological Society DOI:10.1175/2008BAMS2511.1 (2008)
3. Gualdi S., **Scoccimarro E.**, Navarra A.:
Changes in Tropical Cyclone Activity due to Global Warming: Results from a High-Resolution Coupled General Circulation Model.
Journal of Climate DOI:10.1175/2008JCLI1921.1 (2008)
4. Bellucci A., Gualdi S., **Scoccimarro E.**, Navarra A.: NAO-Ocean Circulation Interactions in a Coupled General Circulation Model.
Climate Dynamics DOI:10.1007/s00382-008-0408-4 (2008)
5. Williams P.D., Gualdi S., Madec G., Gualdi S., **Scoccimarro E.** :
The role of mean ocean salinity in climate.
Dynamics of Atmospheres and Oceans doi:10.1016/j.dynatmoce.2009.02.001 (2009)
6. Alessandri A., Borrelli A., Gualdi S., **Scoccimarro E.**, Masina S.: Tropical cyclone count forecasting using a dynamical Seasonal Prediction System: sensitivity to improved ocean initialization.
Journal of Climate, doi: 10.1175/2010JCLI3585.1 (2011)
7. Vichi M., E. Manzini, P.G. Fogli, A. Alessandri, L. Patara, S. Masina, S. Gualdi, E. **Scoccimarro** and A. Navarra: Global and regional ocean carbon uptake and climate change: Sensitivity to an aggressive mitigation scenario.
Climate Dynamics, doi:10.1007/s00382-011-1079-0 (2011)
8. **Scoccimarro E.**, S. Gualdi, A. Bellucci, A. Sanna , P.G. Fogli, E. Manzini, M. Vichi, P. Oddo, A. Navarra (2011), Effects of Tropical Cyclones on Ocean Heat Transport in a High Resolution Coupled General Circulation Model.
Journal of Climate, doi: 10.1175/2011JCLI4104.1 (2011)
9. Dubois C., S. Somot, S. Calmanti, A. Carillo, M. Déqué, A. Dell'Aquila, A. Elizalde Arellano, S. Gualdi, D. Jacob, B. L'Hévéder , L.Li, , P. Oddo, E. **Scoccimarro**, F. Sevault : Future projections of the surface heat and water budgets of the Mediterranean Sea in an ensemble of coupled atmosphere-ocean regional climate models.
Climate Dynamics, doi: 10.1007/s00382-011-1261-4 (2012)
10. Walsh K., S. Lavender, E. **Scoccimarro** and H. Murakami. Resolution dependence of tropical cyclone formation in CMIP3 and finer resolution models
Climate Dynamics, 40, 585-599. 10.1007/s00382-012-1298-z (2012)
11. Gualdi S., S. Somot, L. Li, V. Artale, M. Adani, A. Bellucci, A. Braun, S. Calmanti, A. Carillo, A. Dell'Aquila, M. Déqué, C. Dubois, A. Elizalde, A. Harzallah, D. Jacob, B. L'Hévéder, W. May, P. Oddo, P. Ruti, A. Sanna, G. Sannino, E. **Scoccimarro**, F. Sevault and A. Navarra: The CIRCE simulations: a new set of regional climate change projections performed with a realistic representation of the Mediterranean Sea.
Bulletin of American Met. Society, doi: 10.1175/BAMS-D-11-00136.1 (2012)
12. **Scoccimarro E.**, S. Gualdi, A. Navarra: Tropical Cyclone Effects on Arctic Sea Ice Variability.
Geophysical Research Letters, 39, L17704, doi:10.1029/2012GL052987 (2012)

13. Bellucci A., S. Gualdi, S. Masina, A. Storto, **E. Scoccimarro**, C. Cagnazzo, P. Fogli, E. Manzini, and A. Navarra: Decadal Climate Predictions with a coupled OAGCM initialized with oceanic reanalyses.
Climate dynamics doi: 10.1007/s00382-012-1468-z (2013)
14. Villarini G. **E. Scoccimarro**, S. Gualdi: Projections of Heavy Rainfall over the Central US based on CMIP5 Models.
Atmospheric Science Letters, DOI: 10.1002/asl.440 (2013)
15. **Scoccimarro E.**, S. Gualdi, A. Bellucci, M. Zampieri, A. Navarra: Heavy precipitation events in a warmer climate: results from CMIP5 models.
Journal of Climate, DOI: 10.1175/JCLI-D-12-00850.1 (2013)
16. Zampieri M., **E. Scoccimarro**, S. Gualdi: Atlantic influence on spring snowfall over Alps in the last 150 years. Doi:10.1088/1748-9326/8/3/034026
Environmental Research Letters 8 (2013) 034026 (2013)
17. Toreti A., P.Naveau, M. Zampieri, A. Schindler, **E. Scoccimarro**, E. Xoplaki, H. A. Dijkstra, S. Gualdi and J. Luterbacher: Projections of global changes in precipitation extremes from CMIP5 models
Geophysical Research Letters, doi: 10.1002/grl.50940 (2013)
18. Villarini G., D.A. Lavers, **E. Scoccimarro**, M. Zhao, M.F. Wehner, G. Vecchi, T. Knutson: Sensitivity of Tropical Cyclone Rainfall to Idealized Global Scale Forcings
Journal of Climate, doi: 10.1175/JCLI-D-13-00780.1 (2014)
19. **Scoccimarro E.**, S. Gualdi, G. Villarini, G. Vecchi, M. Zhao, K. Walsh, A. Navarra: Intense precipitation events associated with landfalling tropical cyclones in response to a warmer climate and increased CO₂.
Journal of Climate, doi: 10.1175/JCLI-D-14-00065.1 (2014)
20. Zampieri M., **E. Scoccimarro**, S. Gualdi, A. Navarra: Observed shift towards earlier spring discharge in the main Alpine rivers.
Science of the Total Environment 10.1016/j.scitotenv.2014.06.036 (2014)
21. Walsh K., S.J. Camargo, G.A. Vecchi, A.S. Daloz, J. Elsner, K. Emanuel, M. Horn, Y-K Lim, M. Roberts, C. Patricola, **E. Scoccimarro**, et al.: Hurricanes and climate: the U.S. CLIVAR working group on hurricanes.
Bulletin of American Met. Society, doi: 10.1175/BAMS-D-13-00242.1 (2014)
22. M. Horn; K. Walsh; M. Zhao; S. Camargo; **E. Scoccimarro**; H. Murakami; H. Wang; A. Ballinger; A. Kumar; D. Shaevitz; J. Jonas; K. Oouchi: Tracking Scheme Dependence of Simulated Tropical Cyclone Response to Idealized Climate Simulations
Journal of Climate , doi: 10.1175/JCLI-D-14-00200.1 (2014)
23. D. Shaevitz, S.J. Camargo, A. H. Sobel, J.A. Jonas, D. Kim, A. Kumar, T.E. LaRow, Y-K Lim, H. Murakami, K. Reed, M.J. Roberts, **E. Scoccimarro**, P.L. Vidale, H. Wang, M. F. Wehner, M. Zhao, N. Henderson: Characteristics of tropical cyclones in high-resolution models in the present climate.
Journal of Advances in Modeling Earth Sys. , doi: 10.1002/2014MS000372 (2014)
24. Daloz A.S., S. J. Camargo, J. P. Kossin, K. Emanuel, J.A. Jonas, M. Horn, D. Kim, T. LaRow, Y.-K. Lim, C.M. Patricola, M. Roberts, **E. Scoccimarro**, D. Shaevitz, P.L. Vidale, H. Wang, M. Wehner and M. Zhao: Cluster analysis of explicitly and downscaled simulated North Atlantic tropical cyclone tracks
Journal of Climate, doi: 10.1175/JCLI-D-13-00646.1 (2015)
25. Schindler A., A Toreti, M. Zampieri, **E. Scoccimarro**; S. Gualdi; S. Fukutome; E. Xoplaki; J. Luterbacher: On the internal variability of simulated daily precipitation
Journal of Climate, doi: 10.1175/JCLI-D-14-00745.1 (2015)
26. Villarini G., **E. Scoccimarro**, K.D. White, J.R. Arnold, K.E. Schilling, J. Gosh: Projected Changes in Discharge in an Agricultural Watershed in Iowa.

(2015)

27. **Scoccimarro E.**, G. Villarini, M. Vichi, M. Zampieri, P.G. Fogli, A. Bellucci, S. Gualdi: Projected changes in intense precipitation over Europe at the daily and sub-daily time scales *Journal of Climate*, DOI: 10.1175/JCLI-D-14-00779.1. (2015)
28. Krichak S.O., S. B. Feldstein, P. Alpert, S. Gualdi, **E. Scoccimarro**, and J.-I. Yano: Discussing the role of tropical and subtropical moisture sources in cold season extreme precipitation events in the Mediterranean region from a climate change perspective *Nat. Hazards Earth Syst. Sci.*, doi:10.5194/nhess-16-269-2016. (2015)
29. **Scoccimarro E.**, S. Gualdi, A. Bellucci, M. Zampieri, A. Navarra: Heavy precipitation events over the Euro-Mediterranean region in a warmer climate: results from CMIP5 models. *Regional Environmental Change*, doi:10.1007/s10113-014-0712-y (2016)
30. Cavicchia L. **E. Scoccimarro**, S. Gualdi et al.: Mediterranean extreme precipitation: a multi-model assessment. *Climate Dynamics*, doi:10.1007/s00382-016-3245-x (2016)
31. Zampieri M., S. Russo, S. di Sabatino, M. Michetti, E. Scoccimarro, S. Gualdi: Global estimation of heat wave magnitudes from 1901 to 2010 and possible implications for the river discharge of the Alps. 10.1016/j.scitotenv.2016.07.008 *Science of the Total Environment* (2016)
32. Zampieri M., Toreti A., Schindler A., **Scoccimarro E.**, Gualdi S.: Atlantic multi-decadal oscillation influence on weather regimes over Europe and the Mediterranean in spring and summer. *Global and Planetary Change*, doi: 10.1016/j.gloplacha.2016.08.014 (2016)
33. Haarsma R.J., M. Roberts, P. L. Vidale, C. A. Senior, A. Bellucci, Q. Bao, P. Chang, S. Corti, N. S. Fučkar, V. Guemas, J. von Hardenberg, W. Hazeleger, C. Kodama, T. Koenigk, L. R. Leung, J. Lu, J.-J. Luo, J. Mao, M. S. Mizielinski, R. Mizuta, P. Nobre, M. Satoh, **E. Scoccimarro**, T. Semmler, J. Small, J.-S. von Storch: High Resolution Model Intercomparison Project (HighResMIP). *Geosci. Model Dev.*, doi:10.5194/gmd-2016-66 (2016)
34. **Scoccimarro E.**, P.G. Fogli, K. Reed, S. Gualdi, S. Masina, A. Navarra: Tropical cyclone interaction with the ocean: the role of high frequency (sub-daily) coupled processes. *Journal of Climate*, doi: 10.1175/JCLI-D-16-0292.1 (2017)
35. O.M. Lozano, M. Salis, A.A. Ager, B. Arca, F.J. Alcasena, A. T. Monteiro, M. A. Finney, L. Del Giudice, **E. Scoccimarro**, D. Spano: Assessing Climate Change Impacts on Wildfire Exposure in Mediterranean Areas. Risk Analysis DOI: 10.1111/risa.12739 (2017)
36. Walsh K., P. Govekar, A. Babanin, M. Ghantous, P. Spence, **E. Scoccimarro**: The effect on simulated ocean climate of a parameterization of unbroken wave-induced mixing incorporated into the k-epsilon mixing scheme. *Journal of Advances in Modeling Earth Systems*. Doi: 10.1002/2016MS000707 (2017)
37. Zhang W., G. Villarini, **E. Scoccimarro**, G. Vecchi: Stronger Influences of Increased CO₂ on Sub-daily Precipitation Extremes than at the Daily Scale. *Geophysical Research Letters*. Doi: 10.1002/2017GL074024 (2017)
38. Nakamura J., S.J. Camargo, A. H. Sobel, N. Henderson, K.A. Emanuel, A. Kumar, T.E. LaRow, H. Murakami, M.J. Roberts, **E. Scoccimarro**, P.L. Vidale, H. Wang, M.F. Wehner, M. Zhao: Western North Pacific tropical cyclone model tracks in present and future climates. *Journal of Geophysical Research*. Doi: 10.1002/2017JD027007 (2017)
39. **Scoccimarro E.**, P.G. Fogli, S. Gualdi: The role of humidity in determining perceived temperature extremes scenarios in Europe. *Environmental Research Letters*. Doi: 10.1088/1748-9326/aa8cdd (2017)
40. Serpelloni E., F. Pintori, A. Gualandini, **E. Scoccimarro**, A. Cavaliere, L. Anderlini, M.E. Belardinelli, M. Todesco: Hydrologically-induced karst deformation: insights from GPS measurements in the Adria-Eurasia plate boundary zone. *Journal of Geophysical Research*. Doi: 10.1002/2017JB015252 (2018)

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42. **Scoccimarro E.**, S. Gualdi, S.O. Krichack, 2018: Extreme precipitation events over north-western Europe: getting water from the tropics. *Annals of Geophysics*, doi: 10.4401/ag-7772. (2018)
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