Europass
Curriculum Vitae

Personal information

Surname / First Name	**Mistry Malcolm Noshir**
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Work Experience

Dates	**March 2018 to Present Day**
Occupation or position held	ERC Post-doctoral Researcher (Assegno di Ricerca), Lecturer and Deputy Director Master of Research in Science and Management of Climate Change.
Name and address of employer	Department of Economics, Fondamenta San Giobbe, Ca'Foscari University of Venice, Italy
Type of business or sector	Academic
Main activities and responsibilities	Development and analysis of high-resolution sectoral climate indices for econometric applications, econometric modelling (European Research Council funded project ENERGYA – Energy use for adaptation –) http://www.energy-a.eu/
	Lecturer (Masters and PhD of Science and Management of Climate Change): Quantitative methods for climate change [PHD021]: R programing language Decision theory and multi-criteria analysis [PHD067] Climate Change Economics, Theory, Methods and Applications [PHD088] Statistics – R [PHD 140] **Tutor**: Masters (5), Co-tutor: Masters (1), PhD (1)

Dates	**January 2017 to Present Day**
Occupation or position held Name and address of employer	Researcher Euro-Mediterranean Center on Climate Change (CMCC) and Resources for the Future (RFF)-CMCC European Institute on Economics and the Environment (EIEE), Venice, Italy
Type of business or sector	Economic analysis of climate impacts and policy
Main activities and responsibilities	Development of high-resolution human discomfort indices, aggregated drought risk indicator. Assessment of impacts of heatwaves on sectoral labour productivity.

Dates	**May 2014 to February 2018**
Occupation or position held Name and address of employer	Junior Researcher Fondazione Eni Enrico Mattei (FEEM), Venice, Italy
Type of business or sector Main activities and responsibilities	Economic analysis of climate impacts and policy
	Assessing impacts of climate change and variability on agriculture in sub-Saharan Africa, development of crop yield emulator using econometric approaches.

Dates	**January 2009 to May 2013 and December 2006 to March 2008**
Occupation or position held	Navigating officer, Offshore Research-Survey Ships
Name and address of employer	P&O Maritime (U.K), Helix Energy Systems (U.S), Global Marine Systems (U.K)
Type of business or sector	Offshore Research, Survey, Oil and Gas, Sub-sea Construction
Main activities and responsibilities	Operation and maintenance of marine navigation systems, route planning, positioning of vessels for deployment of oceanographic buoys /remotely operated vehicles (ROVs).

Dates	**July 2008 to December 2008**
Occupation or position held	Research Support Engineer
Name and address of employer	Department of Earth Science, Barcelona Supercomputing Center (BSC-CNS), Barcelona, Spain.
Type of business or sector	Spanish National Supercomputing Center, Climate Prediction Center.
Main activities and responsibilities	Technical support for climate modelling, air quality forecasting, parallel computing, coupling of different modules within the Earth System Modelling Framework (ESMF).

Education and training	
Dates	**September 2013 to February 2017**
Title of qualification awarded	PhD in Science and Management of Climate Change
Principal subjects/occupational skills covered	Dynamics of climate variations and climate change, economic impact assessment of climate change, management of climate-change-related environmental and socio-economical processes.
	Dissertation: Impacts of Climate Change and Variability on Crop Yields Using Emulators and Empirical Models
Name and type of organisation providing education and training	Department of Economics, Ca' Foscari University of Venice, Italy

Dates	**October 2005 to September 2006**
Title of qualification awarded	Master of Science in Weather Climate and Modelling
Principal subjects/occupational skills covered	Numerical Modelling of the Atmosphere and Oceans, Fluid Dynamics, Remote Sensing, Tropical Meteorology, Climate Change, Atmospheric Physics. Completed a 4 day Weather Forecasting course conducted by Met office, U.K
	Dissertation: Intraseasonal Behaviour of the Indian Summer Monsoon in a General Circulation Model (HadCM2)
Name and type of organisation providing education and training	Department of Meteorology, University of Reading, Reading, U.K
Grade	Merit (2.1)

Dates	**September 2001 to September 2004**	
Title of qualification awarded	Bachelor in Information Technology	
Principal subjects/occupational skills covered	Object Oriented and Component Programming, Website Management and Authoring, Data Structures, Relational Database Management System, System Security, Structured Query Language (SQL), Unix shell scripting, LISP	
Name and type of organisation providing education and training	Indira Gandhi National Open University, New Delhi, India	
Grade	Merit (2.1)	

Personal skills and competences	Understanding				Speaking				Writing	
European level (*)	Listening		Reading		Spoken interaction		Spoken production			
Language	English **(Mother Tongue)**									
Language	Italian	B2	B2		B1		B1		B2	
Language	Hindi	C2	C1		C2		C1		B2	
Language	Gujarati	C2	B1		C2		C1		A1	

(*) Common European Framework of Reference for Languages

Social skills and competences	Student Ambassador, Widening Participation Office, University of Reading Mentoring and tutoring, organizing of Open days and summer school camps.
Technical skills and competences	**Programming languages / Software environments**: R, NetCDF Command Language (NCL), Matlab, Python, Julia, Unix Shell scripting, GAMS. **Scientific software and tools**: Grads, CDAT, IDV, NCview, NCO, CDO, XConv, QGIS, Panoply. **Data dissemination technologies**: ESGF, OPeNDAP. **Multimedia and web authoring tools**: Latex, HTML, Dreamweaver, Paintshop Pro, Adobe Photoshop, Tableau. Others at an inter-mediate level: Fortran 90, C, C++, Java, Source Code version control (SVS, GitHub), DHTML, SQL, Visual Basic, High Performance Computing (HPC), Parallel Programming Paradigms (MPI, OpenMP).

Awards/Fellowships	**2018:** ERC Post-doctoral Fellowship - **Ca' Foscari University of Venice, Italy** **2018:** Severo Ochoa (S.O.) Centre of Excellence Research Grant **-** Visiting Researcher **Barcelona Supercomputing Center, Spain** **2013-2016:** Italian Ministry of Public Education Doctoral Scholarship - **Ca' Foscari University of Venice, Italy**
Publications	**ORCID:** http://orcid.org/0000-0003-3345-6197 **Scopus Author ID**: 57195134788

Peer-reviewed Journal:

Published: "Simulated vs. Empirical Weather Responsiveness of Crop Yields: U.S. Evidence and Implications for the Agricultural Impacts of Climate Change", **Mistry M.N.**, Sue Wing I., De Cian E., 2017; *Environmental Research Letters (ERL).* doi:https://doi.org/10.1088/1748-9326/aa788c

"Climate Risk Index for Italy", Mysiak J, Torresan S, Bosello, F, **Mistry M**, Amadio M, Marzi S, Furlan E, Sperotto A. 2018; *Philosophical Transactions (Royal Society) A* 20170305. http://dx.doi.org/10.1098/rsta.2017.0305

"Economic impacts of climate change on vegetative agriculture markets in Israel", Zelingher R, Ghermandi A, De Cian E, **Mistry M** and Kan I, 2019; *Environmental and Resource Economics (ERE)*, https://doi.org/10.1007/s10640-019-00340-z

"A High Resolution Global Gridded Historical Dataset of Climate Extreme Indices", **Mistry M.N.**, 2019; *Data*, 4(1), https://doi.org/10.3390/data4010041 ***Dataset link:*** *https://doi.pangaea.de/10.1594/PANGAEA.898014*

"Households' adaptation in a warming climate. Air conditioning and thermal insulation choices", De Cian et. al., 2019; *Environmental Science & Policy*, 136-157 (100), https://doi.org/10.1016/j.envsci.2019.06.015

"Historical Global-Gridded Degree-Days: A High Spatio-Resolution Database of CDD and HDD", **Mistry M.N.**, 2019, Geoscience Data Journal 00: 1– 8, https://doi.org/10.1002/gdj3.83 ***Dataset link:*** *https://doi.pangaea.de/10.1594/PANGAEA.903123*

"Heavy precipitation events over east Africa in a changing climate: results from CORDEX RCMs", Ogega O., Kung'u F., Koske J., Scoccimarro E., Endris H. and **Mistry M.N.**, 2020; *Climate Dynamics* 55, 993–1009 https://doi.org/10.1007/s00382-020-05309-z

"Air conditioning and electricity expenditure: The role of climate in temperate countries", Randazzo T., De Cian E. and **Mistry M.N.**, 2020; *Journal of Economic Modelling (ECMODE)* 90, 273-287. https://doi.org/10.1016/j.econmod.2020.05.001

"A high spatiotemporal resolution global gridded dataset of historical (1970-2018) human discomfort Indices", **Mistry M.N.**, 2020, *Atmosphere* 2020, 11, 835, doi:10.3390/atmos11080835. Dataset: https://doi.org/10.1594/PANGAEA.904282

"Climate Variability, Crop and Conflict: Exploring the Impacts of Spatial Concentration in Agricultural Production", Vesco P., Kovacic M., **Mistry M.N.** and Croicu M., 2020, Special Issue on 'Security Implications of Climate Change', Journal of Peace Research *(accepted)* https://doi.org/10.1177/0022343320971020

"Intraseasonal precipitation variability over West Africa under 1.5 °C and 2.0 °C global warming scenarios: results from CORDEX RCMs", Ogega O., Gyampoh B.A. and **Mistry M.N.**, 2020, *Climate*, 8(12), 143, https://www.mdpi.com/2225-1154/8/12/143

"Impacts of a warmer world on space cooling demand of households in Brazil" Paula Bezerra P., Ferreira da Silva F.T., Cruz T., **Mistry M.N.**, Arroyo E.V., De Cian E., Magalar L., Lucena A., and Schaeffer R., 2020, *Energy and Buildings,* 234, https://doi.org/10.1016/j.enbuild.2020.110696

In-Review: "Climate Change Vulnerability of Future Calorific Supply", Sue Wing I., De Cian E. and **Mistry M.N.**, 2019, *Journal of Environmental Economics and Management (JEEM)*.

"Sharing the Burden: Quantifying Climate Change Spillovers in the European Union under the Paris Agreement", Schleypen J.R., **Mistry M.N.**, Saeed F., Dasgupta S., 2020, *Spatial Economic Analysis.*

"The role of residential air circulation and cooling demand for electrification planning: implications of climate change over sub-Saharan Africa", Falchetta G. and **Mistry M.N.**, 2021, *Energy Economics.*

"Air-Conditioning and the Adaptation Cooling Deficit in Emerging Economies", Pavanello F., De Cian E., Davide M., **Mistry M.N.**, Cruz T., Borges P., Jagu D., Renner S., Schaffer R., and Lucena A.F.P, 2021, Nature Communications

"Income-dependent expansion of electricity demand for climate change adaptation in Brazil", Colelli F. and **Mistry M.N.**, 2020, Energy and Climate Change.

"Projecting Effects of Climate Change on the INFORM Risk Index", Marzi, S., Mysiak J., Essenfelder A.H., Pal J., Vernaccini L., **Mistry M.N.**, Alfieri L., Poljansek K., Marin-Ferrer M., and Vousdoukas M., 2021, Global Environmental Change

"The Impact of Climate on Economic and Financial Cycles: A Markov-switching Panel Approach", Billio M., Casarin R., De Cian E., Mistry M.N., Osuntuyi A., 2021, Management Science, https://iris.unive.it/retrieve/handle/10278/3735303/225043/WP_DSE_billio_casarin_etal_03_21.pdf (Working Paper)

Non-peer reviewed articles/manuscripts

Technical Report (Contribution: Computation of climate extreme indices): "Piano Nazionale di Adattamento ai Cambiamenti Climatici (PNACC), Italy", 2017. http://www.minambiente.it/print/7402

Policy Brief (Chapter Contribution): "Climate Adaptation: Mitigation and Action in a Post Paris World", Center for Climate Change and Sustainability Studies, Tata Institute of Social Sciences (TISS), Mumbai, India, 2017

Book: "Indian Summer Monsoon: Active-Break Cycles in Observations and Climate Model Simulations", *Publisher: Verlag Dr. Muller (VDM), ISBN: 978-3-639-20004-1*

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