



Europass Curriculum Vitae

Personal information

Surname / First Name **Mistry Malcolm Noshir**

Telephone +39-0412346055

E-mail malcolm.mistry@unive.it , malcolm.mistry@cmcc.it

Nationality/Residency Indian/Italian

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 (ENERGYA – Energy use for adaptation - European Research Council funded project) <http://www.energy-a.eu/>
Lecturer (PhD of Science and Management of Climate Change):
Quantitative methods for climate change [PHD021]: R programming language
Decision theory and multi-criteria analysis [PHD067]

January 2017 to Present Day

Occupation or position held Research Affiliation

Name and address of employer Euro-Mediterraneo sui Cambiamenti Climatici (CMCC) and RFF-CMCC European Institute on Economics and the Environment

Type of business or sector Economic analysis of climate impacts and policy

Main activities and responsibilities Development of high resolution climate extreme indices, development of global-gridded socio-economic dataset.

Dates **May 2014 to February 2018**

Occupation or position held Junior Researcher

Name and address of employer Fondazione Eni Enrico Mattei (FEEM), Venice, Italy

Type of business or sector Economic analysis of climate impacts and policy

Main activities and responsibilities Assessing impacts of climate change and variability on agriculture, using econometric approaches, coupling of crop yield emulator to Integrated Assessment Models (IAMs).

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	2 nd Mate/Dynamic Positioning System Officer onboard research-survey and Offshore vessels. Engaged in operation and maintenance of ship's computer based navigation systems, positioning of vessel for deployment and maintenance 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-Interdisciplinary Research
Main activities and responsibilities	Technical support for climate modelling, air quality forecasting, parallel computing, parameterizations and 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, Data Structures, Relational Database Management System, System Security, Web authoring
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

European level ()*

Language

Language

Language

Language

		Understanding		Speaking		Writing	
		Listening	Reading	Spoken interaction	Spoken production		
English (Mother Tongue)	C2		C2		C2		C2
Italian	B1		B2		B1		B2
Hindi	C2		C1		C2		B2
Gujarati	C2		B1		C2		A1

(*) [Common European Framework of Reference for Languages](#)

Social skills and competences

Student Ambassador, Widening Participation Office, University of Reading
 Tutoring, giving talks in schools on student life, motivating school students to continue further education, representing University on Open days and assisting in Summer school camps.

Technical skills and competences

Programming languages / Software environments (Expert): R, NetCDF Command Language (NCL), Matlab, Python, Fortran 90, Unix Shell scripting.

Scientific software and tools (Expert): Grads, CDAT, IDV, NCview, NCO, CDO, XConv, QGIS, Panoply.

Data dissemination technologies (Expert): ESGF, OPeNDAP

Multimedia and web authoring tools (Advance): HTML, Dreamweaver, Paintshop Pro, Adobe Photoshop.

Others at an inter-mediate level: Latex, 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: 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>

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 et al., 2017, *Environmental Research Letters (ERL)*.

[doi:https://doi.org/10.1088/1748-9326/aa788c](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>

Under-review: “Global Temperature Effects on Economic Activity and Equity: A Spatial Analysis”, Das Gupta et al., 2019, *Env. Res. Letters*.

“Climate change impacts on household electricity expenditure: the contribution of air conditioning in OECD countries”, Randazzo, De Cian and Mistry, 2019, *Economic Modelling*.

“Historical Global-Gridded Degree-Days: A High Spatio-Resolution Database of CDD and HDD”, Mistry M.N., 2019, *RMets Geoscience Data Journal*.

Dataset link: <https://doi.pangaea.de/10.1594/PANGAEA.903123>

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*