

PERSONAL
INFORMATION

Antonio Navarra



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Sex M | Date of birth 29/09/1956 | Nationality Italian

POSITION	President of Fondazione Centro Euro-Mediterraneo sui Cambiamenti Climatici (CMCC)
WORK EXPERIENCE	
2020-present	Full Professor, Meteorology and oceanography University of Bologna, Italy Business or sector Education and Scientific research
2006 - Present	President Foundation Centro Euro-Mediterraneo sui Cambiamenti Climatici, Italy Business or sector Scientific research
2007 - 2019	Affiliate Scientist National Center for Atmospheric Research, NCAR, USA Business or sector Scientific research
1999 - Present	Senior Scientist and Research Executive Istituto Nazionale di Geofisica e Vulcanologia (INGV), Italy Business or sector Scientific research
2008 - Present	Contract Professor University of Venice, Italy, Ph.D. Program in Science and Management of Climate Change Business or sector Scientific research, Higher Education and Training
2008 - 2011	Board of Directors Istituto Nazionale di Astrofisica (INAF), Italy Business or sector Scientific research
2000 - 2004	Board of Directors Istituto Nazionale di Geofisica e Vulcanologia (INGV), Italy Business or sector Scientific research
VISITING SCIENTIST AT THE FOLLOWING RESEARCH INSTITUTIONS	National Center for Atmospheric Research, Boulder, USA, 1992 - present Max-Planck-Institut für Meteorologie, Hamburg, Germany, 1993, 1994, 1995 GFDL/Princeton University, USA, 1992, 1993, 1994 Harvard University, USA, 1987, 1988 University of Maryland, 1986, 1987
OFFICIAL APPOINTMENTS	Contributing Author to "Chapter 23 – Europe" of the IPCC 5th Assessment Report, National Delegate of the managing committee of the program "Environment including climate change" of the Seventh Framework Program of the European Union. 2006 -2009, Member as Expert of the managing committee of the Sixth Framework Program of the European Union. 2002-2006, Member as Expert of the managing committee of the program "Energy, Environment and sustainable development" of the Fifth Framework Program of the European Union. 1998 - 2002
EDUCATION AND TRAINING	
1983-1985	Ph.D. in Geophysical Fluid Dynamics Princeton University , New Jersey, USA

1980-1982	Master of Arts Princeton University, New Jersey, USA
1980	Laurea in Physics University of Bologna, Italy
ADDITIONAL INFORMATION	
Main Projects	Antonio Navarra has planned and directed the process of creation of the Centro EuroMediterraneo per i Cambiamenti Climatici (www.cmcc.it). The national Italian center for modeling and adaptation studies of climate change and its impacts.
Selected publications	Antonio Navarra has published more than 120 papers in the scientific literature and edited or authored nine books. Recent Publications: NAVARRA A, Tribbia, J, and Klus S, Estimation of Koopman Transfer Operators for the Equatorial Pacific SST, <i>J. Atmos. Sci.</i>, 78(4), 1227-1244, 2021. Reno C, Lenzi J, NAVARRA A, Barelli E, Gori D, Lanza A, Valentini R, Tang B, and Fantini M P. Forecasting covid-19-associated hospitalizations under different levels of social distancing in lombardy and emilia-romagna, northern italy: Results from an extended seir compartmental model. <i>Journal of Clinical Medicine</i>, 9(5). 2020. Jacob D, Teichmann C, Sobolowski S, Katragkou E, Anders, I Belda M, Benestad R, Boberg F, Buonomo E, Cardoso MR, Casanueva A, Christensen OB, Hesselbjerg Christensen J, Coppola E, De Cruz L, Davin EL, Dobler A, Dominguez M, Fealy R, Fernandez J, Gaertner MA, Garcia-Diez M, Giorgi F, Gobiet A, Goergen K, Gomez-Navarro JJ, Gonzalez Aleman JJ, Gutierrez C, Gutierrez JM, Guttler I, Haensler A, Halenka T, Jerez S, Jimenez-Guerrero P, Jones RG, Keuler K, Kjellstrom E, Knist S, Kotlarski S, Maraun D, van Meijgaard E, Mercogliano P, Montavez JP, NAVARRA A, Nikulin G, de Noblet-Ducoudre N, Panitz HJ, Pfeifer S, Piazza M, Pichelli E, Pietikainen JP, Prein AF, Preuschmann S, Rechid D, Rockel B, Romera R, Sánchez E, Sieck K, Soares P, Somot S, Smec L, Lund Sørland S, Termonia P, Truhetz H, Vautard R, Warrach-Sagi K, Wulfmeyer V, <i>Regional climate downscaling over Europe: perspectives from the EURO-CORDEX community, Regional Environmental Change</i>, 2020. Scoccimarro E, Gualdi S, Bellucci A, Peano D, Cherchi A, Vecchi GA, NAVARRA A, <i>The typhoon-induced drying of the Maritime Continent, Proceedings of the National Academy of Sciences</i>, 117, 3983-3988, 2020. N.D. Mc Shine, R.M. Clarke, S. Gualdi, NAVARRA A and X.T. Chadee, Influences of the Atlantic and Pacific Oceans on Rainy Season Precipitation for the Southernmost Caribbean Small Island State, Trinidad, <i>Atmosphere</i>, Vol. 10, Issue 11, Article Number : 707 DOI: 10.3390/atmos10110707, 2019. Cherchi, P.G. Fogli, G., T. Lovato, D. Peano, D. Iovino, S. Gualdi, S. Masina, E. Scoccimarro, S. Materia, A. Bellucci, A. NAVARRA, <i>Global mean climate and main patterns of variability in the CMCC-CM2 coupled model, Journal of Advances in Modeling Earth Systems</i>, 11, https://doi.org/10.1029/2018MS001369, 2019. E. Scoccimarro, A. Bellucci, A. Storto, S. Gualdi, S. Masina, A. NAVARRA, <i>Remote subsurface ocean temperature as a predictor of Atlantic hurricane activity, Proceedings of the National Academy of Sciences</i>, 115 (45) 11460-11464; DOI: 10.1073/pnas.1810755115, 2018. Conti, G., A. Navarra, and J. Tribbia, 2017: The ENSO Transition Probabilities. <i>Journal of Climate</i>, 30 (13), 4951–4964, doi:{10.1175/JCLI-D-16-0490.1}. Scoccimarro, E., P. G. Fogli, K. A. Reed, S. Gualdi, S. Masina, and A. Navarra, 2017: <i>Tropical Cyclone Interaction with the Ocean: The Role of High-Frequency (Subdaily) Coupled Processes. Journal of Climate</i>, 30 (1), 145–162, doi:{10.1175/JCLI-D-16-0292.1}. Cherchi, A., H. Annamalai, S. Masina, A. Navarra, and A. Alessandri, 2016: <i>Twenty-first century projected summer mean climate in the Mediterranean interpreted through the monsoon-desert mechanism. Climate Dynamics</i>, 47 (7-8), 2361–2371, doi:{10.1007/s00382-015-2968-4}. Ruane, A. C., et al., 2016: The Vulnerability, Impacts, Adaptation and Climate Services Advisory Board (VIACS AB v1.0) contribution to CMIP6. <i>Geoscientific Model Development</i>, 9 (9), 3493–3515, doi:{10.5194/gmd-9-3493-2016}.
Memberships	Member of the American Meteorological Society, President of the "Italian Society for Climate Science" (SISC) 2013-2015
Panels and Committees	PRACE, Scientific Steering Committee, 2012-2018; Governing board of the European initiative JPI-Climate, Italy IPCC Focal Point. Science Advisory Committee of the APEC Climate Center, in Busan, South Korea UN Adaptation Fund, Board, Member, 2017-2018. UN Adaptation Fund, Accreditation Committee, Chair, 2018.

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