PERSONAL INFORMATION

Panos Athanasiadis

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POSITION

Scientist

WORK EXPERIENCE

2011 – Present

Research Scientist, CMCC, Bologna, Italy.
Conducted research on seasonal and decadal predictability in relation to extratropical teleconnections and ocean--atmosphere interactions, atmospheric blocking and eddy-driven jet variability. Involved with a leading role in a number of European H2020 Projects, such as PRIMAVERA, BLUE-ACTION, EUCP, ROADMAP and ASPECT.

Post-doc Research Associate, University of Athens, AM&WFG, Greece.
Worked at the Atmospheric Modeling & Weather Forecasting Group.

2009 – 2011

Research Associate, University of Washington / JISAO.
Identified patterns of jet-stream variability and examined their relation to storm-track variability and forcing. Analyzed potential vorticity variability near the tropopause and studied extratropical interannual sea surface temperature variability.

2007 – 2009

Research Associate, University of Washington / JISAO.
Identified patterns of jet-stream variability and examined their relation to storm-track variability and forcing. Analyzed potential vorticity variability near the tropopause.

EDUCATION AND TRAINING

2003 – 2007 **Ph.D. in Meteorology, University of Reading, UK.**

2000 – 2003 **M.Sc. in Environmental Physics, National University of Athens, Greece.**

1991 – 1997 **B.Sc. in Physics, National University of Athens, Greece.**

PERSONAL SKILLS

Languages

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	Excellent	Excellent	Excellent	Excellent	Excellent
Italian	Excellent	Excellent	Very Good	Very Good	Very Good

Communication skills

Excellent communication skills gained through participation in international conferences, collaboration with other research groups and via lecturing / teaching and public presentations.

Computer skills

Python, Matlab, Shell scripting, CDO, LaTeX, Linux / Mac OS.

ADDITIONAL INFORMATION

Selected Publications

Patrizio, C. R., **P. Athanasiadis**, C. Frankignoul, D. Iovino, S. Masina, L. Famooss Paolini, and S. Gualdi, **2023**: Improved Extratropical North Atlantic Atmosphere–Ocean Variability with Increasing Ocean Model Resolution. J. Climate, 36, 8403–8424, https://doi.org/10.1175/JCLI-D-23-0230.1.

Nicolì, D., Bellucci, A., Ruggieri, P., **P. Athanasiadis**, Materia, S., Peano, D., Fedele, G., Hénin, R., and Gualdi, S., **2023**: The Euro-Mediterranean Center on Climate Change (CMCC) decadal prediction system, Geosci. Model Dev., 16, 179–197, https://doi.org/10.5194/gmd-16-179-2023, 2023.

P. Athanasiadis, Ogawa, F., Omrani, N., Keenlyside, N. et al. **2022**. 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, 35(21), 3379-3400.

Paolini, L. F., **P. Athanasiadis**, Ruggieri, P., & Bellucci, A. **2022**. The atmospheric response to meridional shifts of the Gulf Stream SST front and its dependence on model resolution, Journal of Climate, 35(18), 6007-6030. https://doi.org/10.1175/JCLI-D-21-0530.1.

P. Athanasiadis, Yeager, S., Kwon, Y., Bellucci, A., et al. **2020**. Decadal predictability of North Atlantic blocking and the NAO. *NPJ Clim. Atmos*. Sci. 3, 20. https://doi.org/10.1038/s41612-020-0120-6.

Smith D.M.; Scaife A.A.; Eade R.; **P. Athanasiadis** et al. **2020**. North Atlantic climate far more predictable than models imply. *Nature*, https://doi.org/10.1038/s41586-020-2525-0.

Ruggieri, P., Bellucci, A., Nicolì, D., **P. Athanasiadis**, et al. **2020**. Atlantic Multidecadal Variability and North Atlantic Jet: a multi-model view from the Decadal Climate Prediction Project, Journal of Climate, 1-47. https://doi.org/10.1175/JCLI-D-19-0981.1.

P. Athanasiadis, A. Bellucci , A. A. Scaife , L. Hermanson , S. Materia , A. Sanna , A. Borrelli, C. MacLachlan and S. Gualdi , **2017**. A multi-system view of wintertime NAO seasonal predictions. Journal of Climate, http://dx.doi.org/10.1175/JCLI-D-16-0153.1

A. Bellucci, R. Haarsma, S. Gualdi, **P. Athanasiadis** and co-workers, **2015**.
An assessment of a multi-model ensemble of decadal climate predictions.
Climate Dynamics, vol. 44, issue 9–10, p. 2787 – 2806.

P. Athanasiadis, A. Bellucci, L. Hermanson, A. A. Scaife, C. MacLachlan, A. Arribas, S. Materia, A. Borrelli and S. Gualdi, **2014**. The representation of atmospheric blocking and the associated low- frequency variability in two seasonal prediction systems.
Journal of Climate, vol. 27, p.9082 – 9100.

P. Athanasiadis, J. M. Wallace and J. Wettstein, **2010**.
Patterns of Wintertime Jet Stream Variability and their Relation to the Storm Tracks.
Journal of Atmospheric Sciences, vol. 67, p.1361 – 1381.

References

Prof. John Mike Wallace University of Washington, Department of Atmospheric Sciences
Tel: (206) 543-7390, Email: wallace@atmos.washington.edu

Prof. Sir Brian Hoskins Grantham Inst. for Climate Change, Imperial College of London.
Tel: +44 (0)118 378 8953, Email: b.j.hoskins@reading.ac.uk / b.hoskins@ic.ac.uk

Prof. Maarten Ambaum Department of Meteorology, University of Reading.
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Curriculum Vitae in formato europeo di ciascuna risorsa impegnata nell'attuazione del programma di ricerca del CN, redatto in lingua inglese e contente l'autorizzazione al trattamento dei dati personali (According to law 679/2016 of the Regulation of the European Parliament of 27th April 2016, I hereby express my consent to process and use my data provided in this CV).