Curriculum Vitae

Dimitra Konsta-Pasipoularidi

Post-Doctoral Fellow
Laboratory of Climatology and Atmospheric Environment
Departement of Geography and Climatology
Faculty of Geology and Geoenvironment
National and Kapodistrian University of Athens
University Campus (Panepistimioupolis Zografou), 15784, Athens, Greece
Phone: +30 210 7274806 Mobile: +30 6972789427
E-mail: dkonsta@noa.gr

Personal information

Born: 28 March 1983, Athens, Greece
Marital status: married

Education

Ph.D. : LMD (Laboratoire de Météorologie Dynamique), Ecole Polytechnique, France, « Evaluation of cloud description in General Circulation Models using A-Train observations» (2007-2010)
Supervisors: Prof. H. Chepfer and J-L. Dufresne, LMD/IPSL, Univ. Paris 06
M.Sc. : LMD, Ecole Polytechnique, France, « Ocean, Atmosphere, Climate and Remote Sensing » (2006-2007)
B.Sc.: NTUA (National Technical University of Athens), Greece, Diploma in Civil Engineering (2000-2005)

Research experience

2019 - now : “PANACEA” (Panhellenic infrastructure for atmospheric composition and climate change, NSRF national program) Post-Doctoral Research Fellow at National and Kapodistrian University of Athens

2018 : "CyclUrban" (Cycling as an element of urban climate mitigation policy, EUKI project) Post-Doctoral Research Fellow at National Observatory of Athens

2015 - 2017 : "ECARS" (European Union's Twinning programme for East European Centre for Atmospheric Remote Sensing, Horizon 2020) Post-Doctoral Research Fellow at National Observatory of Athens

2014 – 2015 : "NOMOTELEIA" (NSRF program focusing on Best Management Practices for water management in agricultural catchments) Post-Doctoral Research Fellow at Center for Hydrology and Informatics, NTUA

2011 - 2014 : EUCLIPSE (European Union Cloud Intercomparison, Process Study and Evaluation Project, FP7) Post-Doctoral Research Fellow at Academy of Athens

Research topics

Clouds, Aerosols, Remote Sensing, Climate Models, Radiative Forcing, Climate Change

Teaching

2016: Lectures on postgraduate students in 'MSc in Space Science Technologies and Applications', department of Informatics and Telecommunications, University of Peloponnese

Publications in Journal Articles

Konsta, D., Binietoglou, I., Gkikas, A., Solomos, S., Marinou, E., Proestakis, E., Basart, S., Perez Garcia-Pando, C., Amiridis, V., and El-Askary, H., 2018: Evaluation of the BSC-DREAM8b regional dust model using the 3D LIVAS-CALIPSO product, Atmos. Environ., 195, 46-62, doi:10.1016/j.atmosenv.2018.09.047

Tsushima, Y., Brient, F., Klein, S. A., **Konsta, D.**, Nam, C., Qu, X., Williams, K. D., Sherwood, S. C., Suzuki, K., and Zelinka, M. D., 2017: The Cloud Feedback Model Intercomparison Project (CFMIP) Diagnostic Codes Catalogue – metrics, diagnostics and methodologies to evaluate, understand and improve the representation of clouds and cloud feedbacks in climate models, Geosci. Model Dev., 10, 4285-4305, doi:10.5194/gmd-10-4285-2017

Marinou, E., Amiridis, V., Binietoglou, I., Tsikerdekis, A., Solomos, S., Proestakis, E., **Konsta, D.**, Papagiannopoulos, N., Tsekeri, A., Vlastou, G., Zanis, P., Balis, D., Wandinger, U., and Ansmann, A.: Three-dimensional evolution of Saharan dust transport towards Europe based on a 9-year EARLINET-optimized CALIPSO dataset, Atmos. Chem. Phys., 17, 5893-5919, doi:10.5194/acp-17-5893-2017, 2017.

Tselioudis, G., B. Lipat, **D. Konsta**, K. Grise and L. Polvani, 2016: Midlatitude cloud shifts, their primary link to the Hadley cell, and their diverse radiative effects. Geophys. Res. Lett., 43, no.9, 4594-4601, doi:10.1002/2016GL068242.

Konsta, D., J-L. Dufresne, H. Chepfer, A. Idelkadi and G. Cesana, 2015 : Use of A-train satellite observations (CALIPSO-PARASOL) to evaluate tropical cloud properties in the LMDZ5 GCM, Clim Dyn, 47: 1263-1284, doi:10.1007/s00382-015-2900-y.

Tselioudis, G., W. Rossow, Y.-C. Zhang and **D. Konsta**, 2013: Global weather states and their properties from passive and active satellite cloud retrievals. J Clim, 26, 7734–7746, doi:10.1175/JCLI-D-13-00024.1.

Konsta, D., H. Chepfer and J-L. Dufresne, 2012 : A process oriented characterization of tropical oceanic clouds for climate model evaluation, based on a statistical analysis of daytime A-train observations. Clim Dyn, 39, 2091–2108, doi:10.1007/s00382-012-1533-7.

Publications in Conference Articles

Tselioudis G. and **D. Konsta**, 2017: The 'Storm Curtain' Effect: Poleward Shift of Clouds, Their Radiative Effects, and the Role of Midlatitude Storms. In Karacostas T., Bais A., Nastos P. (eds) Perspectives on Atmospheric Sciences. Springer Atmospheric Sciences. Springer, p.p. 725-731, doi:10.1007/978-3-319-35095-0_104.

Psomas, A., V. Dagalaki, Y. Panagopoulos, **D. Konsta**, M. Mimikou, 2016: Sustainable Agricultural Water Management in Pinios River Basin Using Remote Sensing and Hydrologic Modeling, Procedia Engineering, 162, 277-283, doi:10.1016/j.proeng.2016.11.059.

Psomas, A., Y. Panagopoulos, **D. Konsta** and M. Mimikou, 2016: Designing Water Efficiency Measures in a Catchement in Greece Using WEAP and SWAT Models, Procedia Engineering, 162, 269-276, doi:10.1016/j.proeng.2016.11.058

Konsta D., H. Chepfer, J.-L. Dufresne, 2013: Evaluation of cloud description in General Circulation Models using A-Train observations, In: Helmis C., Nastos P. (eds) Advances in Meteorology, Climatology and Atmospheric Physics. Springer Atmospheric Sciences. Springer, pp 541-546, doi:10.1007/978-3-642-29172-2_77

Doctoral Thesis

Konsta, D., 2010: Evaluation de la description des nuages dans les modèles de climat à partir des observations satellitales de l'Atrain. Ph.D. thesis. Ecole Polytechnique

Awards and scholarships

2019: Research Scholarship "High level scientific visits" from Department of cooperation and cultural action of French Embassy/ French Institute of Greece

2014: WMO Professor Mariolopoulos Trust Fund Award for the paper: Konsta et al., 2012

2007-2010: Scholarship from Doctoral Ecole Polytechnique for PhD studies

Participation in Conferences

- D. Konsta, I. Binietoglou, A. Gkikas, S. Solomos, E. Marinou, E. Proestakis, S. Basart, C. Perez Garcia-Pando, V. Amiridis, Dust Model Evaluation Using the 3D LIVAS-CALIPSO Pure Dust Product, 14th International Conference on Meteorology, Climatology and Atmospheric Physics, COMECAP, Alexandroupolis, October 2018
- D. Konsta, A. Tsekeri, I. Binietoglou, A. Gkikas, S. Solomos, A. Lopatin, S. Basart, C. Perez, D. Nicolae, D. Ene, P. Goloub, V. Amiridis, Dust Model Evaluation Using Ground-based and Spaceborne Active Remote Sensing, European Lidar Conference, Thessaloniki, July 2018
- G. Tselioudis and D. Konsta, The 'storm curtain' effect: poleward shift of clouds, their radiative effects, and the role of midlatitude storms, 13th International Conference on Meteorology, Climatology and Atmospheric Physics, COMECAP, Thessaloniki, September 2016
- D. Konsta and G. Tselioudis, Shallow cumulus to fair weather transition: cloud radiative effects and relation to atmospheric conditions, CFMIP/WCRP Conference, Trieste, July 2016
- D. Konsta and G. Tselioudis, Shallow cumulus to fair weather transition: cloud radiative effects and relation to dynamic atmospheric conditions, GEWEX Conference, The Hague, July 2014
- D. Konsta, J-L. Dufresne, H. Chepfer, A. Idelkadi, G. Cesana, Evaluation of clouds simulated by the LMDZ5 GCM using A-train satellite observations (CALIPSO-PARASOL-CERES), CFMIP/EUCLIPSE meeting, Egmond aan Zee Netherlands, July 2014
- G. Tselioudis and D. Konsta, Shallow cumulus to fair weather transition: cloud radiative effects and relation to dynamic atmospheric conditions, 13th International Conference on Meteorology, Climatology and Atmospheric Physics, COMECAP, Heraklion, Crete, May 2014
- G. Tselioudis and D. Konsta, Shallow cumulus to fair weather transition: cloud radiative effects and relation to dynamic atmospheric conditions, EGU, Vienna, May 2014
- G. Tselioudis, D. Konsta, Global Weather States and their Properties from Passive and Active Satellite Cloud Retrievals, CFMIP/EUCLIPSE meeting, Hamburg, June 2013
- D. Konsta, H. Chepfer, J.-L. Dufresne, A process oriented evaluation of clouds simulated by the LMDZ5 GCM using A-train high spatial resolution observations (CALIPSO-PARASOL-CERES), Joint EUCLIPSE - CFMIP meeting, Paris, June 2012
- D. Konsta, H. Chepfer, J.-L. Dufresne, Evaluation of cloud description in General Circulation Models using A-train observations, 11th International Conference on Meteorology, Climatology and Atmospheric Physics, COMECAP, Athens, June 2012
- D. Konsta, H. Chepfer, J-L. Dufresne, S. Bony, A multi-variables statistical description of clouds over the tropical ocean using daytime A-train high spatial resolution observations to assess cloud processes paramaterization in climate models, Kick-Off Meeting EUCLIPSE, Utrecht, September 2010
- D. Konsta, H.Chepfer, J-L. Dufresne, S. Bony, G. Cesana, Evaluation des nuages dans les modèles climatiques à partir des observations de l'A-train, Ateliers de Modélisation de l'Atmosphère, Toulouse, January 2010

- D. Konsta, H.Chepfer, J-L. Dufresne, S. Bony, D. Tanré, Evaluation of Cloud Properties in GCMs using A-train observations, EGU, Vienna, April 2009
- D. Konsta, H.Chepfer, J-L. Dufresne, S. Bony, Evaluation of cloud properties in GCMs using A-train observations, 4th PAN-GCSS meeting, Toulouse, June 2008
- D. Konsta, H.Chepfer, J-L. Dufresne, S. Bony, Evaluation des nuages bas tropicaux simulés par un modèle climatique à partir des observations spatiales CALIPSO, Ateliers de Modélisation de l'Atmosphère, Toulouse, January 2008
- D. Konsta, H. Chepfer, S. Bony, J-L. Dufresne, M. Chiriaco, V. Noel, Comparison of cloud properties derived from A-train (flux, lidar, radar) and GCM, A-Train symposium, Lille, October 2007

Data Processing

Fortran 77/90, Matlab

Languages

English (fluent), French (fluent), Greek (native)