





PERSONAL INFORMATION

Leonidas Perivoliotis

-  46.7 Km Athens Sounion Road, GR-19013 Anavissos (Greece)
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WORK EXPERIENCE

2000–Present

Special Scientist, Grade A

H.C.M.R., Institute of Oceanography, 46.7 km Athinon-Souniou Ave., Anavysos (Greece)

- Research field: Operational Oceanography: monitoring and forecasting in regional & shelf seas; integrated services; information systems; Eulerian and Lagrangian Observatories; Numerical modelling of hydrodynamics; Numerical modelling of oil spill dispersion
- Head of the Operational Oceanography Division, HCMR
- Head of CMEMS Mediterranean InSitu Thematic Assembly Center that collects process and disseminates measurements from ocean observatories along the Med.
- Participation in numerous EU and national projects related with operational oceanography (data management, numerical modelling) as co-ordinator or task responsible

1990–1999

Research Scientist

University of Athens, Division of Environmental Physics, Ocean Physics and Modelling Group

- Research field: Numerical modelling of hydrodynamics
- Participation in EU and national research projects related to numerical modelling

EDUCATION AND TRAINING

1988–1990

MSc in Physical Oceanography

Dept. of Applied Physics, University of Athens, Greece

1982–1987

BSc in Physics

Dept. of Physics, University of Athens, Greece

PERSONAL SKILLS

Mother tongue(s) Greek

Foreign language(s)

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	C2	C2	C2	C2	C2

Levels: A1 and A2: Basic user - B1 and B2: Independent user - C1 and C2: Proficient user
[Common European Framework of Reference for Languages](http://www.cedefop.europa.eu/en/etd/116)

Communication skills

Advanced communication skills gained through my participation in numerous European projects during the last 25 years.

Organisational / managerial skills

- Head of the Operational Oceanography Division, HCMR

- Head of the CMEMS Mediterranean InSitu TAC component
- Head of the MonGOOS Data Center
- Member of the Science Service Group of EMSO ERIC
- Scientific team manager for HCMR participation in many European projects

- Job-related skills**
- Data management – Extensive experience through the coordination of the Mediterranean InSitu TAC and the MonGOOS Data Center
 - Data analysis on InSitu Data
 - Hydrodynamic numerical modelling

- Digital skills**
- Operating systems at administration level: Linux, Unix, Microsoft Windows
 - Programming languages: Fortran, Matlab
 - Network administration skills for Local Area Networks (LANs)

ADDITIONAL INFORMATION

- Publications**
- Testor P, de Young B, Rudnick DL, Glenn S, Hayes D, Lee CM, Pattiaratchi, C, Hill K, Heslop E, Turpin V, Alenius P, Barrera C, Barth JA, Beaird N, Bécu G, Bosse A, Bourrin F, Brearley JA, Chao Y, Chen S, Chiggiato J, Coppola L, Crout, R, Cummings J, Curry B, Curry R, Davis R, Desai K, DiMarco S, Edwards C, Fielding S, Fer I, Frajka-Williams E, Gildor H, Goni G, Gutierrez D, Haugan P, Hebert D, Heiderich J, Henson S, Heywood K, Hogan P, Houpert L, Huh S, E. InallM, IshiiM, Ito S-i, Itoh S, Jan S, Kaiser J, Karstensen J, Kirkpatrick B, Klymak J, Kohut J, Krahmann G, Krug M, McClatchie S, Marin F, Mauri E, Mehra A, Meredith MP, Meunier T, Miles T, Morell JM, Mortier L, Nicholson S, O’Callaghan J, O’Conchubhair D, Oke P, Pallàs-Sanz E, PalmerM, Park J, Perivoliotis L, Poulain PM, Perry R, Queste B, Rainville L, Rehm E, Roughan M, Rome N, Ross T, Ruiz S, Saba G, Schaeffer A, Schönau M, Schroeder K, Shimizu Y, Sloyan BM, Smeed D, Snowden D, Song Y, Swart S, Tenreiro M, Thompson A, Tintore J, Todd RE, Toro C, Venables H, Wagawa T, Waterman S, Watlington RA and Wilson D (2019) OceanGliders: A Component of the Integrated GOOS. *Front. Mar. Sci.* 6:422.doi: 10.3389/fmars.2019.00422
- Tintoré J, Pinardi N, Álvarez-Fanjul E, Aguiar E, Álvarez-Berastegui D, Bajo M, Balbin R, Bozzano R, Nardelli BB, Cardin V, Casas B, Charcos-Llorens M, Chiggiato J, Clementi E, Coppini G, Coppola L, Cossarini G, Deidun A, Deudero S, D’Ortenzio F, Drago A, Drudi M, El Serafy G, Escudier R, Farcy P, Federico I, Fernández JG, Ferrarin C, Fossi C, Frangoulis C, Galgani F, Gana S, García Lafuente J, Sotillo MG, Garreau P, Gertman I, Gómez-Pujol L, Grandi A, Hayes D, Hernández-Lasheras J, Herut B, Heslop E, Hilmi K, Juza M, Kallos G, Korres G, Lecci R, Lazzari P, Lorente P, Liubartseva S, Louanchi F, Malacic V, Mannarini G, March D, Marullo S, Mauri E, Meszaros L, Mourre B, Mortier L, Muñoz-Mas C, Novellino A, Obaton D, Orfila A, Pascual A, Pensieri S, Pérez Gómez B, Pérez, Rubio S, Perivoliotis L, Petihakis G, de la Villéon LP, Pistoia J, Poulain P-M, Pouliquen S, Prieto L, Raimbault P, Reglero P, Reyes E, Rotllan P, Ruiz S, Ruiz J, Ruiz I, Ruiz-Orejón LF, Salihoglu B, Salon S, Sammartino S, Sánchez Arcilla A, Sánchez-Román A, Sannino G, Santoleri R, Sardá R, Schroeder K, Simoncelli S, Sofianos S, Sylaios G, Tanhua T, Teruzzi A, Testor P, Tezcan D, Tomer M, Trotta F, Umgieser G, von Schuckmann K, Verri G, Vilibic I, Yucel M, Zavatarelli M and Zodiatis G (2019) Challenges for Sustained Observing and Forecasting Systems in the Mediterranean Sea. *Front. Mar. Sci.* 6:568. doi: 10.3389/fmars.2019.00568
- Petihakis G, Perivoliotis L, Korres G, Ballas D, Frangoulis C, Pagonis P, Ntoumas M, Pettas M, Chalkiopoulos A, Sotiropoulou M, Bekiari M, Kalampokis A, Ravdas M, Bourma E, Christodoulaki S, Zacharioudaki A, Kassis D, Potiris E, Triantafyllou G, Tsiaras K, Krasakopoulou E, Velanas S, Zisis N. An integrated open-coastal biogeochemistry, ecosystem and biodiversity observatory of the eastern Mediterranean - the Cretan sea component of the POSEIDON system. *Ocean Sci* 2018;14(5):1223-45, doi:10.5194/os-14-1223-2018
- Zodiatis G, Coppini G, Perivoliotis L, Lardner R, Alves T, Pinardi N, Liubartseva S, De Dominicis M, Bourma E, Sepp Neves AA, 2018. Numerical modeling of oil pollution in the eastern Mediterranean sea. *Handb Environ Chem* 2018;83:215-54, doi:10.1007/698_2017_131
- Zodiatis, G., Lardner, R., Alves, T. M., Krestenitis, Y., Perivoliotis, L., Sofianos, S., & Spanoudaki, K. (2017). Oil spill forecasting (prediction). *Journal of Marine Research*, 75(6), 923-953. doi:10.1357/002224017823523982
- De Dominicis, M., Bruciaferri, D., Gerin, R., Pinardi, N., Poulain, P.M., Garreau, P., Zodiatis, G., Perivoliotis, L., Fazioli, L., Sorgente, R., Manganiello, C., 2016. A multi-model assessment of the

- impact of currents, waves and wind in modelling surface drifters and oil spill. *Deep Sea Res. Part II: Top. Stud. Oceanogr.* 133, 21-38 <https://doi.org/10.1016/j.dsr2.2016.04.002>
- Zodiatis, G., Dominicis, M.D., Perivoliotis, L., Radhakrishnan, H., Georgoudis, E., Sotillo, M., Lardner, R.W., Krokos, G., Bruciaferri, D., Clementi, E., Guarnieri, A., Ribotti, A., Drago, A., Bourma, E., Padomo, E., Daniel, P., Gonzalez, G., Chazot, C., Gouriou, V., Kremer, X., Sofianos, S., Tintore, J., Garreau, P., Pinar, N., Coppini, G., Lecci, R., Pisano, A., Sorgente, R., Fazioli, L., Soloviev, D., Stylianou, S., Nikolaidis, A., Panayidou, X., Karaolia, A., Gauci, A., Marcati, A., Caiazza, L., Mancini, M., 2016. The Mediterranean decision support system for marine safety dedicated to oil slicks predictions. *Deep Sea Res. Part II: Top. Stud. Oceanogr.* 133, 4–20. <http://dx.doi.org/10.1016/j.dsr2.2016.07.014>
- Zacharioudaki, A., Korres, G. & Perivoliotis, L., 2015 Wave climate of the Hellenic Seas obtained from a wave hindcast for the period 1960–2001 *Ocean Dynamics* (2015), Volume 65, Issue 6, pp: 795-816 <https://doi.org/10.1007/s10236-015-0840-z>
- Krokos G., Velaoras D., Korres G., Perivoliotis L., Theocharis A., 2014. On the continuous functioning of an internal mechanism that drives the Eastern Mediterranean thermohaline circulation: The recent activation of the Aegean Sea as a dense water source area, *Journal Of Marine Systems*, Vol. 129, 484-489, 2014
- Bozzano R, Pensieri S; Pensieri L., Cardin V., Brunetti F., Bensi M., Perihakis G., Tsagaraki T.M., Ntoumas M., Podaras D., Perivoliotis L., The M3A network of open ocean observatories in the Mediterranean Sea, *OCEANS - Bergen*, 2013 MTS/IEEE, DOI:10.1109/OCEANS-Bergen.2013.6607996, pp. 1-10, 2013
- Stavrakakis, S., Gogou, A., Krasakopoulou, E., Karageorgis, A.P., Kontoyiannis, H., Rousakis, G., Velaoras, D., Perivoliotis, L., Kambouri, G., Stavrakaki, I., Lykousis, V., 2013. Downward fluxes of sinking particulate matter in the deep Ionian Sea (NESTOR site), Eastern Mediterranean: Seasonal and interannual variability, *Biogeosciences*, Volume 10, Issue 11, 2013, pp. 7235-7254
- L. Perivoliotis, G. Krokos, K. Nittis, G. Korres, 2011, The Aegean Sea Marine Security Decision Support System, doi:10.5194/os-7-671-2011, *Ocean Sci.*, 7, 671–683, 2011
- Korres G., A. Papadopoulos, P. Katsafados, D. Ballas, L. Perivoliotis and K. Nittis, 2011. A 2-year intercomparison of the WAM-Cycle4 and the WAVEWATCH-III wave models implemented within the Mediterranean Sea. *Medit. Mar. Sci.* 12 (1), 129-152
- Papadopoulos, A., G. Korres, P. Katsafados, D. Ballas, L. Perivoliotis and K. Nittis, 2011: "Dynamic downscaling of the ERA-40 data using a mesoscale meteorological model". *Mediterranean Marine Science*, 12/1, 183-198
- M. Kulawiak, A. Prospathopoulos, L. Perivoliotis, M. Łuba, S. Kioroglou, A. Stepnowski, 2010: Interactive visualization of marine pollution monitoring and forecasting data via a Web-based GIS. *Computers & Geosciences* 36 (2010) 1069–1080
- Nittis K., L. Perivoliotis, G. Korres, D. Ballas, A. Papadopoulos, G. Triantafyllou, P. Pagonis, K. Tsiaras, G. Petihakis and P. Drakopoulos, 2010. POSEIDON II: Upgrading the monitoring and forecasting services in the Eastern Mediterranean Sea. *Proceedings of the 5th International Conference of EuroGOOS*, EuroGOOS publication n. 28, ISBN 978-91-974828-6-8, p.392-398
- Korres G., Nittis K., Perivoliotis L., Tsiaras K., Papadopoulos A., Hoteit I. and Triantafyllou G., 2010. Forecasting the Aegean Sea hydrodynamics within the POSEIDON-II operational system. *Journal of Operational Oceanography*, Vol. 3, nu. 1, 37-49
- Perivoliotis L., K. Nittis, A. Charissi, 2006. An integrated service for oil spill detection and forecasting in the marine environment. In "European Operational Oceanography: Present and Future", Publication of the European Communities, ISBN- 92-894-9788-2, pp 381-387.
- Nittis K., L. Perivoliotis, G. Korres, C. Tziavos, I. Thanos, 2006. Operational monitoring and forecasting for marine environmental applications in the Aegean Sea. *Environmental Modelling and Software* (21), 243-257
- Nittis K., L. Perivoliotis, D. Ballas, T. Soukissian, A. Papadopoulos, D. Georgopoulos, A. Mallios, G. Korres, G. Triantafyllou, A. Pollani, V. Zervakis, V. Papathanassiou, and G. Chronis, 2006. POSEIDON II : A second generation monitoring and forecasting system for the Eastern Mediterranean. In "European Operational Oceanography: Present and Future", Publication of the European Communities, ISBN- 92-894-9788-2, pp 585-590
- Estoumel C., Zervakis V., Marsaleix P., Papadopoulos A., Auclair F., Perivoliotis L., Tragou E., 2005. Dense water formation and cascading in the Gulf of Thermaikos (North Aegean) from observations and modelling, *Continental Shelf Research*, 25, 2366-2386.
- Zervakis, V., Nittis, K., Perivoliotis, L. and C. Tziavos, 2002: A comparison of model predictions to observations of seasonal variability and circulation in the Eastern Mediterranean. In *he Global Atmosphere and Ocean System, special issue – POSEIDON: An Integrated Operational*

Oceanographic System, Vol. 8, 2-3, pp. 141-162

Nittis K. and Perivoliotis L., 2002 : Circulation and hydrological characteristics of the North Aegean Sea: a contribution from real-time buoy measurements. In the Mediterranean Marine Science, Vol.3/1, 2002, pp. 21-31

Nittis K., V. Zervakis, L. Perivoliotis, . Papadopoulos and G. Chronis, 2001: "Operational Monitoring and Forecasting in the Aegean Sea: System Limitations and Forecasting Skill Evaluation", Marine Pollution Bulletin, vol.43,pp. 154-163

- Projects**
- 2020-2024: Jerico S3, Funded by EU, Participant Scientist (Data management)
 - 2018-2021: Copernicus Insitu TAC, Phase II Funded by Mercator Ocean, PI for HCMR
 - 2018-2020: Hellenic Integrated Marine Inland water Observing, Forecasting and offshore Technology System (HIMIOFoTS), Funded by EPAnEK 2014-2020 Operational Programme, Coordinator
 - 2017-2019, BigDataOcean, Funded by EU, PI for HCMR
 - 2015-2017, Copernicus Insitu TAC, Funded by Mercator Ocean, PI for HCMR
 - 2015-2017: Implementation of an integrated marine monitoring program, Funded by EEA Financial Mechanism (85%) and Greek Public Funds (15%), Coordinator
 - 2015 -2019, Jerico Next, Funded by EU, Participant Scientist (Data management)
 - 2014-2015, MyOcean-FO project, Funded by EU, Participant Scientist (Data management)
 - 2013-2017, FixO3 project, Funded by EU, Participant Scientist (Data management)
 - 2012-2015, KRHPIS-IO, Funded by GSRT, Coordinator
 - 2012-2015, EMSO HELLAS, Funded by GRST, Participant Scientist (Data management)
 - 2012-2015, Greek Argo, Funded by GSRT, Participant Scientist
 - 2012-2015, MEDESS4MS, MED programme, PI for HCMR
 - 2012-2014, IONIO, Interreg-III Greece-Italy, PI for HCMR
 - 2012-2014, MyOcean-II project, Funded by EU, Participant Scientist (Data management)
 - 2011-2015, Jerico project, Funded by EU, Participant Scientist (Data management)
 - 2009-2012, MyOcean project, Funded by EU, Participant Scientist (Data management)
 - 2008-2011, European Ocean Observatory Network – EuroSites, Funded by EU, Participant Scientist (Data management)
 - 2005-2008, Marine and Coastal Information Services MARCOAST, Funded by ESA, PI for HCMR
 - 2005-2008, POSEIDON II, Funded by EFTA-EEA GRANTS, Participant scientist (Numerical modelling and Information Systems)
 - 2007-2009, Building Operational Sustainable Services for GMES, BOSS4GMES, Funded by EU, Participant Scientist (Information Systems)
 - 2007-2009, European Coastal-shelf Sea Operational and forecasting system – ECOOP, Funded by EU, Participant Scientist (Oil spill modelling)
 - 2006-2009, Data Integration System for Eutrophication Assessment in Coastal Waters – INSEA, Funded by EU, Participant Scientist (Numerical modelling)
 - 2008-2010, Global Ocean Observing Infrastructure – EURO ARGO, Funded by EU, Participant Scientist (Information Systems)
 - 2004-2008, Marine EnviRonment and Security in the European Area– Integrated Project, MERSEA-IP, Funded by EU, Participant Scientist (Information Systems)
 - 2004-2007, An integrated Operational Wave Monitoring and Forecasting System with applications to Shipping in Greece – ESPEN, Funded by GSRT – EPAN, Participant Scientist (Information Systems)
 - 2003-2004, Real-time Ocean Services for Environment and Security – ROSES, Funded by ESA, PI for HCMR
 - 2003-2004, Oceanographic measurements and development of Saronikos gulf currents and waves numerical models for the Olympic Games of 2004, - Athens 2004, Funded by General Secretariat of Spots, Participant scientist (Numerical modeling and Information Systems)
 - 2003-2004, Marine EnviRonment and Security in the European Area–MERSEA, Strand 1, Funded by EU, Participant Scientist (Numerical modeling)
 - 2002-2004, Mediterranean network to Assess and upgrade Monitoring and forecasting Activity in the

region – MAMA, Funded by EU, Participant Scientist (Information System)

2001-2003, Marine SAR Analysis and Interpretation System – MARS AIS, Funded by EU, Participant (Oil spill modelling)