


DEPARTMENT OF ENVIRONMENTAL ENGINEERING – UNIVERSITY OF WESTERN MACEDONIA

Name and Surname:	Vassilios Vervatis	
Specialization/Position:	Physical Oceanographer, Postdoctoral Researcher.	
Brief CV:	<p>Dr. Vassilios Vervatis studied Physics (BSc) in the University of Athens (UoA) and continued his studies in the field of Environmental Physics/Meteorology (MSc) and Physical Oceanography (PhD, 2012), focusing on the dynamics and climate variability of the Mediterranean Sea using eddy resolving models and in situ observations. During 2013-2015 his research activities as a CNRS fellow focused on the development and implementation of coastal/regional ocean forecasting systems for several applications of interest, by using ensemble/stochastic data assimilation methods. Since 2016, he is working as a postdoctoral researcher under IKY Grant in the Oceanography Lab, Faculty of Physics, UoA. He has participated to more than 20 research projects as a Co-I, PI and Research Coordinator. His scientific work has been published in 14 articles in peer-reviewed scientific journals, as well as in 50 articles in international proceedings and national conferences.</p>	
Publications 2013-2018 (up to 5)	<ol style="list-style-type: none"> 1. Mechanisms controlling the thermohaline circulation pattern variability in the Aegean-Levantine region. A hindcast simulation (1960-2000) with an eddy resolving model, <u>Vervatis, V. D.</u>, S. S. Sofianos, N. Skliris, S. Somot, A. Lascaratos, and M. Rixen (2013), Deep-Sea Res. Part I, 74, 82-97, doi: 10.1016/j.dsr.2012.12.011. 2. Inter-annual/decadal variability of the north Aegean Sea hydrodynamics over 1960-2000, <u>Vervatis, V. D.</u>, N. Skliris, and S. S. Sofianos (2014), Medit. Marine Science, 15 (4), 696-705, doi:10.12681/mms.852. 3. Characterisation of errors of a regional model of the Bay of Biscay in response to wind uncertainties: a first step toward a data assimilation system suitable for coastal sea domains, Quattrocchi, G., P. De Mey, N. Ayoub, <u>V. Vervatis</u>, C.-E. Testut, G. Reffray, J. Chanut, and Y. Drillet (2014), J. Oper. Oceanogr., 7 (2), 25-34, DOI: 10.1080/1755876X.2014.11020156. 4. MED-CORDEX initiative for Mediterranean Climate studies, Ruti, P., S. Somot, F. Giorgi, C. Dubois, E. Flaounas, A. Obermann, A. Dell' Aquila, G. Pisacane, A. Harzallah, E. Lombardi, B. Ahrens, N. Akhtar, A. Alias, T. Arsouze, R. Aznar Lecocq, S. Bastin, J. Bartholy, K. Beranger, J. Beuvier, S. Bouffies-Cloche, J. Brauch, W. Cabos, S. Calmanti, J.-C. Calvet, A. Carillo, D. Conte, E. Coppola, V. Djurdjevic, P. Drobinski, A. Elizalde, M. Gaertner, P. Galan, C. Gallardo, S. Gualdi, M. Goncalves, O. Jorba, G. Jorda, B. Lheveder, C. Lebeaupin-Brossier, L. Li, G. Liguori, P. Lionello, D. Macias-Moy, B. Onol, B. Rajkovic, K. Ramage, F. Sevault, G. Sannino, M.-V. Struglia, A. Sanna, C. Torma, and <u>V. Vervatis</u> (2016), Bulletin of the American Meteorological Society, DOI: 10.1175/BAMS-D-14-00176.1. 5. Data assimilative twin experiments in a regional configuration of the Bay of Biscay: a 4D EnOI approach based on stochastic modelling of the wind forcing, <u>Vervatis, V. D.</u>, C.-E. Testut, P. De Mey, N. Ayoub, J. Chanut, and G. Quattrocchi (2016), Ocean Modell., 100, 2016, pp. 1-19, doi:10.1016/j.ocemod.2016.01.003. 	
Research Projects 2013-2018 (up to 5)	<ol style="list-style-type: none"> 1. MyOcean2. Prototype Operational Continuity for GMES Ocean Monitoring and Forecasting Service, (2014), Identity: Postdoctoral Researcher. 2. MyOcean Follow On. Pre-Operational Marine Service Continuity in Transition towards Copernicus, (2015), Identity: Postdoctoral Researcher. 3. Copernicus-CMEMS. Stochastic Coastal/Regional Uncertainty Modelling: sensitivity, consistency and potential contribution to CMEMS Ensemble Data Assimilation, (2016-2018), Identity: <u>Principal Investigator-Research Coordinator</u>. 4. Copernicus-CMEMS. Stochastic Coastal/Regional Uncertainty Modelling 2: consistency reliability, probabilistic forecasting and contribution to CMEMS EDA, (2018-2020), Identity: <u>Principal Investigator-Research Coordinator</u>. 	
Distinctions:	<ol style="list-style-type: none"> 1. PostDoc Grant, France-CNRS, 2013-2015. 2. PostDoc Grant, Greece-IKY, 2017-2019. 	