## Filippos Tagklis PhD

Contact Information	The Cooperative Institute for Marine and Atmospheric Studies (CIMAS at RSMAS) 4600 Rickenbacker Causeway, Miami, Florida 33149	E-mail: <u>ftagklis3@gmail.com</u> , <u>ftagklis3@gatech.edu</u> , <u>fxt172@miami.edu</u>	
Research Interests	Regional ocean modeling applications, statistical analysis of spatiotemporal oceanic modelled data at various time scales (synoptic to climatic), ocean biogeochemistry		
Skills Languages	Microsoft Office Suite, MATLAB, Unix, Linux, Fortran, python, CDO English and Greek		
Education			
	Ph.D, Earth and Atmospheric Sciences	November 2020	
	<ul> <li>Thesis Topic: Projected changes in a multiscale environm North Atlantic Ocean</li> <li>Adviser: Annalisa Bracco</li> <li>Co-Adviser: Takamitsu Ito</li> <li>Area of focus: Ocean Dynamics, Climate Variability</li> <li>Minors in Civil and Environmental Engineering</li> <li>National and Kapodistrian University of Athens, Greece</li> <li>Diploma in Physics, Division of Environmental Physics and M</li> <li>Thesis Topic: Study of the seasonal circulation of the Ioni Princeton Ocean Model POM.</li> <li>Adviser: Sarantis Sofianos</li> </ul>	Meteorology July 2014	
Professional Appointments	Postdoctoral AssociateUniversity of Miami, CIMAS (RSMAS)Atlantic Ocean/Meteor Lab (NOAA-AOML)Research AssistantNOAA-funded project: "Understanding drivers and impactsrepresenting the decadal variability of Labrador Sea convect:		
	<b>Teaching Assistant</b> Lab Instructor/Supervisor. "Introduction to Environmental S	Fall, 2016, 2019 ciences".	
	<b>Research Assistant</b> NSF-funded project: "Inter-annual variability of oxygen and Labrador Sea".	Fall, 2015-Summer, 2016 macro-nutrients in the	

Awards and	Fellowships	Gerondelis Foundation Scholarship, USA \$5,000 (awarded) National Research Council (NRC) Fellowship; The National Academy of Sciences, Engineering and Medicine (NASEM) (offered)	2016 2021		
Referred Publications	<ol> <li>Tagklis, F., Bracco, A., Ito, T. (2017) Physically driven patchy O<sub>2</sub> changes in the North Atlantic Ocean simulated by the CMIP5 Earth System Models. Global Biogeochem. Cycles, doi:10.1002/2016GB005617</li> </ol>				
		<b>F</b> ., Ito, T., Bracco, A., (2020) Modulation of the North Atlantic deox on of the nutrient stream. Biogeosciences, 17, 231–244, https://doi.org 0, 2020			
		F., Bracco, A., Ito, T. <i>et al.</i> Submesoscale modulation of deep water Sea. <i>Sci Rep</i> 10, 17489 (2020). https://doi.org/10.1038/s41598-020			
Selected Conference	<b>Tagklis, F</b> ., Ito, T., Bracco, A. Modulation of the North Atlantic deoxygenation by the slowdown of the nutrient stream. Ocean Sciences Meeting (San Diego, CA) 2020.				
Abstracts	Bracco, A., <b>Tagklis</b> , F., Ito, T., Castelao R. The key role of submesoscale advection in the formation of Labrador Sea water. Ocean Sciences Meeting (San Diego, CA) 2020.				
	<b>Tagklis, F</b> ., Bracco, A., Ito, T., Castelao R. Role and variability of mesoscale and submesoscale dynamics along the west coast of Greenland. AGU (Washington DC), Fall 2018.				
	<ul> <li>Tagklis, F., Bracco, A., Ito, T., Castelao R. Role and variability of mesoscale and submesoscale dynamics along the west coast of Greenland. APS Physics, DFD (Atlanta), Fall 2018.</li> <li>Tagklis, F., Ito, T. Bracco, A. Slowdown of the nutrient stream mediates the deoxygenation of the North Atlantic. GATECH, Fall 2018.</li> </ul>				
	<b>Tagklis, F.</b> , Bracco, A., Ito, T. Physically driven patchy O2 changes in the North Atlantic Ocean simulated by the CMIP5 Earth System Models. EGU (Vienna), April 2017.				
	<b>Tagklis, F</b> ., Bracco, A., Ito, T. Modeling the inter-annual variability of dissolved oxygen in the Labrador Sea. Ocean Science Meeting 2016 (New Orleans).				
	Field Experience	<b>R</b> / <b>V</b> Hud	onal Oceanography applications Ison Repeated Hydrography section AR7W CTD, ADCP, LADCP and XBToperations	April-June 2015,2016	
	(Bedford	Institute of Oceanography (BIO) <u>http://www.bio.gc.ca/</u> ).			

Seminars Symposium Training	Princeton AOS / NOAA-GFDL webinar (May 19th, 2020): "Modulation of deepwater formation in the Labrador Sea: Drivers and Impacts". Tagklis, F., Bracco, A., Ito, T, Castelao R.			
	<b>GSS Graduate Student Symposium 2018</b> (GATECH): Oral Presentation Title: "Slowdown of the nutrient stream mediates the deoxygenation of the North Atlantic". <b>Tagklis, F</b> ., Ito, T, Bracco, A.			
	<b>ISNAO 2017 Summer School</b> "International Summer School on the Labrador Sea and the North Atlantic Subpolar Gyre".			
	<ul> <li>GSS Graduate Student Symposium 2016 (GATECH): Oral Presentation Title: "Physically driven patchy O<sub>2</sub> changes in the North Atlantic Ocean simulated by the CMIP5 Earth System Models". Tagklis, F., Bracco, A., Ito, T.</li> <li>IMAU August 2013: Utrecht Summer School in Physics of the Climate System. Lectures on Physics of the Climate System.</li> </ul>			
Teaching Experience	Teaching AssistantSpring, 2019• EAS-2655 Quantitative MethodsSpring, 2019• EAS-6305 Physics and Chemistry of the OceansFall, 2018• EAS-8803-A Mathematical MethodsFall, 2016• EAS-1600 Introduction to Environmental Sciences			
Community Outreach and Institute Contribution	<ul> <li>EAS Graduate Student Senate 2017-2018</li> <li>Atlanta Science Festival Exploration Expo: Ocean Discovery Zone 2016, 2017, 2018</li> <li>Ocean Discovery Zone exhibit to 7th-grade students at Cowan Road Middle School, in Griffin, GA October 2016</li> </ul>			
References	Annalisa Bracco Professor School of Earth & Atmospheric Sciences, Georgia Institute of Technology Email: <u>abracco@gatech.edu</u> , Ph: (404) 894-1749 Georgia Institute of Technology, 311 Ferst Dr, Atlanta GA 30332 <b>Takamitsu Ito</b> Professor School of Earth & Atmospheric Sciences, Georgia Institute of Technology Email: <u>taka.ito@eas.gatech.edu</u> , Ph: (404) 894-3985 Georgia Institute of Technology, 311 Ferst Dr, Atlanta GA 30332 <b>Enato M Castelao</b> Professor Department of Marine Sciences, University of Georgia Email: <u>castelao@uga.edu</u> , Ph: (706) 542-2422 325 Sanford Drive, University of Georgia, Athens, GA 30602			