


Event: **ENERGY in TRANSPORTATION 2019**
 Date: **Saturday September 28, 2019**
 Place: **Athens, Hellas**



#	Ioannis Argyriou -PhD student in Technical University of Crete -MSc in Environmental Engineering-Water Resources and Climate Change -Degree in Physics	
Title:	PhD (c), Technical University of Crete, MSc in Environmental Engineering-Water Resources and Climate Change, Degree in Physics, Technical University of Crete	
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Presentation title:	Developing an Integrated Environmental Policy for Ports using Multicriteria Decision Making Analysis	
<p>In ports, many sectors, such as shipping, trucking, and passenger transport are active and can yield many positive effects on local social and economic spheres. The ever-increasing demand for maritime transport has caused chain reactions in port operation around the world. The primary effect of these changes is the continuous growth and development of ports in response to the new global trade. Globally, large ports, in an effort to meet modern demands, have adopted management standards that go beyond the national level and seek to keep up with standards set by European or other international organizations and countries. The ever-increasing demands on the speed, cost, quality and security of human and goods movement underscore the importance of modernizing and optimizing all port operations. In a general sense, a port can be considered competitive if it provides modern, fast and quality services to users at the lowest possible cost. Consequently, a port has a direct role to play in international trade, with a prerequisite, of course, of providing modern logistics services. Within the above context, the goal of this study is to present the main criteria for the assessment of the environmental footprint of ports and how this can be optimized with the implementation of certain key actions. The main objectives of the research are to promote an understanding of the term "green growth" to explore the different ways of achieving green growth, its key features as well as the established advantages and disadvantages of its implementation in various ports worldwide. Developing an integrated environmental policy and the choice of appropriate measures, in particular, is a complex process since there is a large number of available alternative actions for environmental management. Moreover, each measure/action presents various technical, economic, environmental indicators, the analysis of which can determine the degree of their implementation in a port operational development and infrastructure. It is, therefore, necessary, to adopt a reliable and scientifically documented approach for the comparative assessment. For the evaluation of the above factors, the multi-criteria decision making was used.</p>		

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CV:

I joined the Hellenic Naval Academy (Coast Guard Officers' Cadet School) and in 2002 I was sworn in as Ensign of the Hellenic Coast Guard. During my career in the Hellenic Coast Guard I have served in a number of local Port Authorities. Since April 2014 I have been serving at NATO Maritime Interdiction Operational Training Center (NMIOTC) as Staff Officer of Educational and Training Directorate.

- 2018: PhD student
Scientific field: Renewable energy sources in ports
- 2015-2017: MSc in Environmental Engineering-Water Resources and Climate Change
Field of postgraduate dissertation: Modeling of marine pollution sources
- 1994-1999: Degree in Physics
Scope of diplomatic work: Magnetic resolution images (MRI) scanner

2001-2014: I joined the Hellenic Naval Academy (Coast Guard Officers' Cadet School) and in 2002 I was sworn in as Ensign of the Hellenic Coast Guard. During my career in the Hellenic Coast Guard I have served in a number of local Port Authorities

2014-2018: Since April 2014 I have been serving at NATO Maritime Interdiction Operational Training Center (NMIOTC) as Staff Officer of Educational and Training Directorate. During my career at NMIOTC I was an officer of primary responsibility for the conduction of training events by the International Maritime Organization (IMO), US/Drug Enforcement Agency (US/DEA), East Africa Standby Force (EASF), European Defense Agency (EDA), EUNAVFOR MED/Operation Sophia and FRONTEX. Moreover I coordinate the training for various groups from NATO state members and other affiliated countries.

2016-2019 Project manager (under the auspices of NATO HQ)

CT knowledge

- «European Computer Driving License (ECDL) »
- Windows XP/98/95/2000, Microsoft Office
- ArcMap, Argus ONE, GNOME, ADIOS, MINEQL, HEC RAS, HEC HMS, SPSS

Languages

- English Excellent (Certificate in ESOL International-NOCN level 3)