

NIKOLAOS MYKONIATIS

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EDUCATION:

Ph.D. Candidate (ABD) in Agricultural, Environmental and Regional Economics, Pennsylvania State University. Expected time of graduation: Summer 2013.

Dissertation: *Three essays on Optimal Management of Renewable Resources in Chesapeake Bay.*
(GPA 3.63/4)

M.Sc. in Environmental Economics, University of York, United Kingdom. Graduated Summer 2007
(with distinction)

Thesis: *The Effects of Air Pollution and Weather Parameters on Daily Morbidity in Athens and Thessaloniki, Greece.*

B.A. in Economics, University of Crete, Greece. Graduated January 2005
(General Average 7.67/10)

RESEARCH INTERESTS:

Environmental and Natural Resource Economics, Bioeconomic Modeling, Integrated assessment for environmental decision making with applications to water resources, agri-environmental policy and climate change, Optimal Control Theory, Spatial and Time-Series Econometrics in managing renewable resources

JOB MARKET PAPER:

“Efficient harvest regimes for a sedentary fishery: The case of Eastern Oyster in Chesapeake Bay.”

Abstract: I investigate optimal area allocation, combination and significance of simultaneous existence of four management systems: permanent no-harvest areas, pulsed harvest and continuous harvest, from both private and public grounds. An optimal control bioeconomic model applied to native oysters in Chesapeake Bay incorporating environmental, stock and biodiversity externalities is developed. Two cases are considered: a) harvest effort in public grounds can be controlled and b) open access. Results in both cases show that it is not socially optimal for all four management systems to coexist simultaneously. Under the first case, the system that generates the highest benefits is public harvest in the entire area. If some portion of the system is to be managed as pulsed or no-harvest, the first generates higher social welfare. Under the second case, the first-best outcome is pulsed harvest. When this outcome cannot be attained no-harvest zones become more important relative to public grounds.

PEER REVIEW PUBLICATIONS:

Mykoniatis N. and R. Ready. “Efficient harvest regimes for a sedentary fishery: The case of Eastern Oyster in Chesapeake Bay.” In Review

CONFERENCE PAPERS AND PRESENTATIONS:

Mykoniatis N. and R. Ready. “Optimal Oyster Management in Chesapeake Bay Incorporating Sanctuaries, Reserves, Aquaculture and Externalities.” *Association of Environmental and Resource Economists (AERE)* Annual Meeting, Graduate Student Session Paper Presentation, Asheville, North Carolina, June 3-5 2012.

Mykoniatis N. and R. Ready. “Optimal Oyster Management in Chesapeake Bay Incorporating Sanctuaries, Reserves, Aquaculture and Externalities.” *Northeast Agricultural and Resource Economics Association (NAREEA)* Annual Meeting, Session Paper Presentation, Lowell, Massachusetts, June 10-12 2012.

Mykoniatis N. and R. Ready. “Optimal Oyster Management in Chesapeake Bay Incorporating Sanctuaries, Reserves, Aquaculture and Externalities.” *Agricultural and Applied Economics Association (AAEA)* Annual Meeting, Session Paper Presentation, Seattle, Washington, August 12-14 2012.

Mykoniatis N. and R. Ready. “Efficient Harvest Regimes and Water Quality Goals in relation to Management of Renewable Resources: The case of Eastern Oyster in Chesapeake Bay.” *Energy and Environmental Economics and Policy Initiative (EEEPI)*. Seminar Series Paper Presentation, Pennsylvania State University, State College, PA, December 5, 2012.

Mykoniatis N. and R. Ready. “Efficient Harvest Regimes for a Sedentary Fishery: the case of Eastern Oyster in Chesapeake Bay.” *Mathematical Biology and Physiology Seminar (MaBPs)*. Seminar Series Paper Presentation, Mathematics Department, Pennsylvania State University, State College, PA, March 12, 2013.

WORKING PAPERS:

“Contribution of optimal management of a sedentary fishery towards the achievement of environmental goals: The case of Eastern Oyster and Nitrogen TMDL in Chesapeake Bay” (with Richard Ready)

“Evaluating habitat-fishery interactions: The case of Submerged Aquatic Vegetation and Blue Crab Fishery in the Chesapeake Bay” (with Richard Ready)

“Dicing the Bay: an Integrated Assessment Model.” (with James Shortle)

RESEARCH EXPERIENCE:

Graduate Research Assistant: January 2011- present
Pennsylvania State University for Professors Richard C. Ready and James Shortle.

Graduate Research Assistant: August – December 2010
Pennsylvania State University for Professor Richard C. Ready.

Graduate Research Assistant: August 2009 – August 2010
Pennsylvania State University for Dr. Allen H. Klaiber.

Participation in the project “Uncertainty and the Risk Premium”: January 2005 – May 2005 Rollins College, Florida with Professor Harry Kypraios.

TEACHING EXPERIENCE:

Instructor for CED 201 - *Introductory Environmental and Resource Economics*. Pennsylvania State University. Spring 2013 (current). Undergraduate course with 62 students.

Tutor in *Principles of Economic Theory*. Prepare students for university entry exams, Greece. September 2001-June 2005.

PROFESSIONAL EXPERIENCE:

National Bank of Greece, Department of Consumer Loans, January 2008 – July 2009.

Accounting assistant under 1.5 contract with Vanos S.A., July 1st 2002 – August 20 2002.

AWARDS:

Research Support Grant (\$500), Fall, 2012
Energy and Environmental Economics and Policy Initiative (EEEPI)
Pennsylvania State University

Research Support Grant (\$750), Spring, 2012
Energy and Environmental Economics and Policy Initiative (EEEPI)
Pennsylvania State University

Graduate Student Travel Award (\$500), 2012
Association of Environmental and Resource Economists (AERE)

Graduate Student Travel Award (\$300), Spring, 2012
College of Agricultural Sciences, Pennsylvania State University

Conference Scholarship Award, 2012
Northeast Agricultural and Resource Economics Association (NAREA)

PROFESSIONAL AFFILIATIONS:

Association of Environmental and Resource Economists (AERE)
Agricultural and Applied Economics Association (AAEA)
Northeast Agricultural and Resource Economics Association (NAREA)

COMPUTER SKILLS:

STATA, LIMDEP, MATLAB, GAMS, Mathematica, MS Office

REFERENCES:

Richard C. Ready (Ph.D. Committee Chair)
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