Mavra Stithou

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Research Interests

- Application of Environmental Economics to the Marine & Terrestrial Environment
- Application of Environmental Valuation Techniques and Benefit Transfer
- Application of Environmental Cost-Benefit Analysis/Impact Assessment
- Policy Oriented Research Focused on Supporting Decision-Making

Education & Qualifications

Feb 2007 - Nov 2012: PhD in Economics

10012007 1100120120	Stirling University, UK	
<u>Thesis title:</u>	"The Economic Value of Improvements in the Ecology of Irish Rivers due to the Water Framework Directive (WFD)"	
Oct. 2005 – Nov.2007:	MPhil in Research Methods (focused on Agricultural Economics) National University of Ireland, Galway, Republic of Ireland	
Dissertation title:	"The determinants of multi-cropping agricultural systems (inter-crop diversity), the effect of crop diversity on farmer's income and its role as a risk management mechanism: The case of Greece"	
Oct. 2002 – Oct. 2003:	MSc in Environmental Economics University of York, UK	
Dissertation:	"A Contingent Valuation survey for the conservation of two endangered species in Zakynthos Island (Greece)"	
Jan.1997 – Sept.2001:	BSc in Economics (specialized in Applied Economics) Athens University of Economics and Business, Greece	

Professional Membership

<u>Current member of:</u> Economic Chamber of Greece, Associate Institute Team Member of the Socio-Economic Marine Research Unit at National University of Ireland, Galway

<u>Previous member of:</u> DEFRA's (Department for Environment, Food and Rural Affairs, UK) Network of Economists, Social Research Network, Natural Value and Economics Group and of the Productive Seas Evidence Group (PSEG), UK Fisheries Economics Network (UKFEN)-Seafish, UK Government Economic Service (GES), UK Network of Environmental Economists, European Association of Environmental and Resource Economists (EAERE), European Regional Science Association (ERSA), RESEES - REsearch on Socio-Economic and Environmental Sustainability, Athens, Greece, Environmental Economics Research Group, University of Stirling (UK)

Additional Skills

Information Tech	nology:		
Statistical software:		Stata, SPSS	
Econometric software:		Limdep, Biogeme,	
Modelling and mapping software:		GIS	
Other:		Photoshop, Dreamweaver, all areas of Microsoft Office, Internet	
Languages:			
Language	Level	Certification	
Greek	Native		
English	Fluent	Proficiency of Cambridge University	
French	Very good	DALF, Unités B1 – B4	
Spanish	Very good	DELE-Superior exams to be taken	

Other: Project management, good communication and presentation skills. Full driving license.

Employment and Work Experience

December 2014 – present: Independent Researcher and Consultant - marine environmental economist providing socio-economic expertise in ecosystem-based marine planning and management. Actively collaborating with the Agricultural Economics Research Institute (AGRERI) and the Hellenic Centre of Marine Research (HCMR) on a number of projects including the LIFE Andros Park – "Conservation of priority species and habitats of Andros Island protected area integrating socioeconomic considerations", "MARIne Spatial Conservation planning in the Aegean sea", co-funded by the European Environmental Area Financial Mechanism and by the Public Investments Programme (PIP), PROTOMEDEA, "PROTecting MEDiterranean EAst", in response to the call for "Marine Protected Areas: network(s) for the enhancement of sustainable fisheries in EU Mediterranean waters", funded by the European Union DG MARE (http://www.protomedea.eu/index.php/en/), EU DG MARE DISCATCH¹ project. Have also been sub-contracted by NCC Ltd for EU LIFE project CYCLADES and more recently by ICF International for "Study on the economic benefits of Marine Protected Areas", EASME/EMFF/2015/021.

September 2012 – November 2014: Senior Executive Officer - Environmental Economist at the Marine Management Organisation (MMO), UK (http://www.marinemanagement.org.uk/). My post involved the provision of technical economic expertise to support decision making in the Marine Planning, Marine Conservation and Fisheries Enforcement and European Fisheries Fund Teams. In addition, I was responsible for commissioning and managing projects that aimed to expand the Organisation's evidence base for marine management purposes. Finally, I participated to technical, steering, stakeholder groups and advisory committees for the provision of technical expertise regarding the management of the marine environment.

March 2011 – September 2012: Researcher at the Athens University of Economics and Business, Greece. Involved in EU FP7 projects THESEUS (Innovative technologies for safer European coasts in a changing climate) and MERMAID (Innovative Multi- purpose off-shore platforms: planning). Also worked on Asopos River project (Integrated River Water Resources Management in Asopos River Basin) as a member of the RESEES - REsearch on Socio-Economic and Environmental Sustainability – team. Accountable to Prof Phoebe Koundouri.

¹ Pilot project catch and discard composition including solutions for limitation and possible elimination of unwanted by-catches in trawl net fisheries in the Mediterranean (DISCATCH)

January 2011 – present: EVRI (Environmental Valuation Reference Inventory), Consulting and Professional Services.

Mar. 2007 – May 2007: Literature review and report writing for a report to DEFRA, "Scoping study on agricultural landscape valuation". Accountable to Prof. Nick Hanley, Division of Economics Stirling Management School, University of Stirling.

Feb. 2005 – Dec. 2006: Research Assistant at the Economics Department of National University of Ireland, Galway. Worked on two EU FP6 integrated projects: CAPRI (Common Agricultural Policy Regional Impact Analysis, and SEAMLESS project (System for Environmental and Agricultural Modelling; Linking European Science and Society. Accountable to Dr. Eoghan Garvey[†], Economics Department, NUI, Galway.

Technical Advice and Project Evaluation and Management

Examples of involvement:

- 2016 Collaborator in producing the 'Demystifying Economic Valuation' paper that covers the main issues, questions and principles surrounding economic valuation and is designed as an overview for those new to economic valuation. Ozdemiroglu, E. & Hails, R. (eds), 2016. Demystifying Economic Valuation, Valuing Nature Paper VNP04in developing <u>http://valuing-nature.net/sites/default/files/images/VNN-Demystifying%20Economic%20Valuation-Paper.pdf</u>
- 2015 Contributed as an expert on marine economics and maritime spatial planning to a declaration regarding the development of Maritime Spatial Planning (MSP) in Greece which resulted from round table discussions on "MSP in Greece: challenges due to the implementation of MSP Directive based on current knowledge", during the 11th Panhellenic Symposium on Oceanography and Fisheries, Lesvos, Greece, 13th to 17th of May 2015 <u>http://www.symposia.gr/wp-content/uploads/2015/06/MSP_declaration_web.pdf</u> (In Greek).
- 2013- Provided specialist input to UK NEA Fish, R. & Saratsi, E. (2015) Naturally
 2014 Speaking... A Public Dialogue on the UK National Ecosystem Assessment. Final Report. CRPR, University of Exeter, Exeter. (ISBN 978-1-905892-19-8)
 <u>http://www.valuingnature.net/sites/default/files/documents/NEA Dialog</u>
 <u>ue Final Report final.pdf</u>
- 2014 Contributed as a member of DEFRA's PSEG (Social and Economic Assessment Sub-Group), to the report "Social and Economic Assessment Requirements for Development Projects Affecting the Marine Environment", 2015 <u>http://www.scotland.gov.uk/Topics/marine/science/MSCC/PSEG/socec</u> <u>environ</u>
- 2013- Member of the advisory committee of VALMER (Valuing Marine Ecosystem
 2014 Services in the Western Channel Region) Interreg (IVA) project, 2013-2015. http://www.valmer.eu/
- 2013- Member of the steering group of DEFRA project "Developing UK Natural Capital
 2014 Accounts for Woodlands and Marine Environment", 2013-2014.
- 2013- Member of the steering group of DEFRA project "Valuing the UK Marine
 2014 Environment an Exploratory Study of Benthic Ecosystem Services", 2013-2014.

2013- External reviewer and member of the stakeholder group of UK National Ecosystem
 2014 Assessment Follow-on Phase Work Packages: WP3b-Coastal and Marine Ecosystems and WP6 Development of the UK NEA scenarios. http://uknea.unep-wcmc.org/Default.aspx

Directed MMO (UK) projects as project manager:

- **2015** MMO1048: Practical Framework for Outlining the Integration of the Ecosystem Approach into Marine Planning in England
- 2014 MMO1075: Exploring the Potential of Using Official National Statistics (ONS) for Marine Planning
- 2012 MMO1050: Economic Baseline Assessment of the South Coast

Research Work_

Books:

Koundouri, P., and N. Papandreou (editors); M. **Stithou** (assistant editor), 2014. Water Resources Management Sustaining Socio-Economic Welfare: The Implementation of the European Water Framework Directive in Asopos River Basin in Greece. Springer Publishing, Global Issues in Water Policy, Series. Volume 7 2014. ISBN: 978-94-007-7635-7 (Print) 978-94-007-7636-4 (Online). Available at: http://link.springer.com/book/10.1007/978-94-007-7636-4

Articles in Refereed Journals:

Gkadolou*, E., **Stithou***, M., Vassilopoulou, V., 2018. HUMAN PRESSURES AND CARBON ASSESSMENT OF POSIDONIA OCEANICA MEADOWS IN THE AEGEAN SEA: LIMITATIONS AND CHALLENGES FOR ECOSYSTEM-BASED MANAGEMENT. Regional Science Inquiry Journal, Special Issue 'Coastal and Maritime Planning Developments in the Greek Context' (*main authors)

Chimienti, G., **Stithou**, M., Mura, I.D., Mastrototaro, F., D'Onghia, G., Angelo Tursi, A., Fraschetti, S., 2017. An Explorative Assessment of The Importance of Mediterranean Coralligenous Habitat to Local Economy: The Case of Recreational Diving. Journal of Environmental Accounting and Management 5(4): 310-320

Lembo, G., Bellido, J. M., Bitetto, I., Facchini, M.T., García-Jiménez, T., **Stithou**, M., Vassilopoulou, V., Spedicato, M.T., 2017. Preference modeling to support stakeholder outreach towards the Common Fishery Policy objectives in the north Mediterranean Sea. Front. Mar. Sci. 4:328. doi: 10.3389/fmars.2017.00328

Stithou, M., 2017. Considerations of Socio-Economic Input, Related Challenges and Recommendations for Ecosystem-Based Maritime Spatial Planning: A Review. Journal of Ocean and Coastal Economics, Volume 4, Issue 1, General Papers

Tobias Börger, Nicola J. Beaumont, Linwood Pendleton, Kevin J. Boyle, Phillip Cooper, Stephen Fletcher, Tim Haab, Michael Hanemann, Tara L. Hooper, S. Salman Hussain, Rosemary Portela, Mavra **Stithou**, Joanna Stockhill, Tim Taylor, and Melanie C. Austen, 2014. Incorporating Ecosystem Services in Marine Planning: The Role of Valuation. Journal of Marine Policy. Vol. 46, pp. 161–170.

Dávila O., **Stithou** M., Pescaroli G., Pietrantoni L., Koundouri P., Diaz P., Vanderlinden J-P., Penning-Rowsell, E., 2014. Promoting resilient economies by exploring insurance potential for facing coastal flooding and erosion: evidence from Italy, Spain, France and United Kingdom. Journal of Coastal Engineering. Available online 7 February 2014. http://dx.doi.org/10.1016/j.coastaleng.2013.12.007

Stithou, M., Hynes, S., Hanley, N. and D. Campbell, 2012. Estimating the Value of Achieving 'Good Ecological Status' in the Boyne River Catchment Using Choice Experiments. Economic and Social Review, Vol. 43, No. 3, Autumn issue.

Koundouri, P., Kougea, E., **Stithou**, M., Ala-aho, P., Eskelinen, R., Karjalainen, T., Klove, B., Pulido-Velazquez, M., Reinikainen, K. and Rossi, P., 2012. The Value of Scientific Information on Climate Change: A Choice Experiment Application on Rokua esker, Finland. Journal of Environmental Economics and Policy (JEEP). Vol. 1, Iss. 1. Pages 85-102 http://www.tandfonline.com/doi/abs/10.1080/21606544.2011.647450#.UxyAbCbNvIU

Stithou, M. and R. Scarpa, 2012. Collective versus Voluntary Payment in Conservation of Marine Biodiversity: an Exploratory Study from Zakynthos, Greece. Ocean & Coastal Management Volume 56, February 2012, Pages 1-9.

Kaval, P., **Stithou**, M., Scarpa, R., 2009. Social Values of Biodiversity Conservation for the Endangered Loggerhead Turtle and Monk Seal. International Journal of Ecological Economics & Statistics 14: 67-76.

Chapters in Books:

Koundouri, P., Tsani, S., Dávila, O., **Stithou**, M., Babalos, V., Xepapadeas, A., Anastasiou, I., Antypas, A., Kourogenis, N., Mousoulides, A., Mousoulidou, M., Ahrensberg, N. A., Aarup and Zanuttigh, B., Zagonari, F., Lange, M., Jimenez, C., Charalambous E. "Methodology for the Integrated Socio-Economic Assessment of Offshore Platforms. In Koundouri, P. (editor) The Ocean of Tomorrow: Socio-economic Methodology and Empirical Applications for Multi-Use Offshore Platforms Investments – Volume I". Ed. Koundouri, Phoebe, vol. ISpringer International Publishing, Forthcoming, Switzerland.

Vanderlinden J-P., Baztan, J., Tracey, C., Dávila O., Hissel, F., Kane, I.O., Koundouri P., McFadden, L., Parker, D., Penning-Rowsell, E., Pietrantoni L., Pescaroli, G., Prati, G., Rulleau, B., **Stithou,** M., Touili, N. Nonstructural Approaches to Coastal Risk Mitigations. In Barbara Zanuttigh, Robert J. Nicholls, Jean-Paul Vanderlinden, Richard C. Thompson, Hans Falk Burcharth, 2015. In book: Coastal risk management in a changing climate, Edition: 1st edition, Chapter: 5, Publisher: Elsevier, Editors: Barbara Zanuttigh, Robert Nicholls, Jean-Paul Vanderlinden, Richard Thompson, Hans Burcharth, pp.237-274 Print Book ISBN :9780123973108, eBook ISBN :978012397313.

Koundouri, P., Papandreou, N. **Stithou**, M., Mousoulides, A., Anastasiou, Y., Mousoulidou, M., Antypas, A., Mavrogiorgis, T., Vasiliou, K., Introducing the Case Study: The Asopos River Basin in Greece. In Koundouri, P., and N. Papandreou (editors); M. Stithou (assistant editor), 2014. Water Resources Management Sustaining Socio-Economic Welfare: The Implementation of the European Water Framework Directive in Asopos River Basin in Greece. Springer Publishing, Global Issues in Water Policy, Series. Volume 7 2014. ISBN: 978-94-007-7635-7 (Print) 978-94-007-7636-4 (Online). Available at: http://link.springer.com/book/10.1007/978-94-007-7636-4

Koundouri, P., Papandreou, N., **Stithou**, M., Mousoulides, A., Anastasiou, Y., Mousoulidou, M., Antypas, A., Souliotis, I. Mavrogiorgis, T., Vasiliou, K., The Economic Characterization of Asopos River Basin. In Koundouri, P., and N. Papandreou (editors); M. Stithou (assistant editor), 2014. Water Resources Management Sustaining Socio-Economic Welfare: The Implementation of the European Water Framework Directive in Asopos River Basin in Greece. Springer Publishing, Global Issues in Water Policy, Series. Volume 7 2014. ISBN: 978-94-007-7635-7

(Print) 978-94-007-7636-4 (Online). Available at: http://link.springer.com/book/10.1007/978-94-007-7636-4

Koundouri, P., **Stithou**, M., Melissourgos, P., Simulating Residential Water Demand and Water Pricing Issues. In Koundouri, P., and N. Papandreou (editors); M. Stithou (assistant editor), 2014. Water Resources Management Sustaining Socio-Economic Welfare: The Implementation of the European Water Framework Directive in Asopos River Basin in Greece. Springer Publishing, Global Issues in Water Policy, Series. Volume 7 2014. ISBN: 978-94-007-7635-7 (Print) 978-94-007-7636-4 (Online). Available at: http://link.springer.com/book/10.1007/978-94-007-7636-4

Koundouri, P., Scarpa, R., **Stithou**, M., A Choice Experiment for the Estimation of the Economic Value of the River Ecosystem: Management Policies for Sustaining NATURA (2000) species and the Coastal Environment. In Koundouri, P., and N. Papandreou (editors); M. Stithou (assistant editor), 2014. Water Resources Management Sustaining Socio-Economic Welfare: The Implementation of the European Water Framework Directive in Asopos River Basin in Greece. Springer Publishing, Global Issues in Water Policy, Series. Volume 7 2014. ISBN: 978-94-007-7635-7 (Print) 978-94-007-7636-4 (Online). Available at: http://link.springer.com/book/10.1007/978-94-007-7636-4.

Koundouri, P., Papandreou, N., **Stithou**, M., Dávila, O.G., A Value Transfer Approach for the Economic Estimation of Industrial Pollution: Policy Recommendations. In Koundouri, P., and N. Papandreou (editors); M. Stithou (assistant editor), 2014. Water Resources Management Sustaining Socio-Economic Welfare: The Implementation of the European Water Framework Directive in Asopos River Basin in Greece. Springer Publishing, Global Issues in Water Policy, Series. Volume 7 2014. ISBN: 978-94-007-7635-7 (Print) 978-94-007-7636-4 (Online). Available at: http://link.springer.com/book/10.1007/978-94-007-7636-4.

Koundouri, P., Papandreou, N., **Stithou**, M., Dávila, O.G., Creating the Institutional Background to Support the Implementation of the Policy Manual. In Koundouri, P., and N. Papandreou (editors); M. Stithou (assistant editor), 2014. Water Resources Management Sustaining Socio-Economic Welfare: The Implementation of the European Water Framework Directive in Asopos River Basin in Greece. Springer Publishing, Global Issues in Water Policy, Series. Volume 7 2014. ISBN: 978-94-007-7635-7 (Print) 978-94-007-7636-4 (Online). Available at: http://link.springer.com/book/10.1007/978-94-007-7636-4.

Koundouri, P., **Stithou**, M., Kougea, E., Ala-aho, P., Eskelinen, R., Karjalainen, T., Klove, B., Pulido-Velazquez, M., Reinikainen, K.and Rossi, P. The Effects of Climate Change on the Value of Groundwater Dependent Ecosystems: The Rokua Esker, Northern Finland. In The Handbook on Economics of Biodiversity and Ecosystems Services, edited by P. A. Nunes, P. Kumar and T. Dedeurwaerdere, Edward Elgar Publishing Ltd, Cheltenham, UK. 2014.

Koundouri, P., Bambalos, V., **Stithou**, M. A Micro-Econometric Approach to Deriving Use and Non-Use Values of *in-situ* Groundwater: The Vosvozis Case Study, Greece. In The Handbook on Economics of Biodiversity and Ecosystems Services, edited by P. A. Nunes, P. Kumar and T. Dedeurwaerdere, Edward Elgar Publishing Ltd, Cheltenham, UK. 2014.

Koundouri, P., and Kountouris, Y., **Stithou**, M., 2012. A Choice Experiments Application in Transport Infrastructure: A case study on travel time savings, accidents and pollution reduction. In Research Topics in Agricultural and Applied Economics (Volume 3) edited by Anthony N. Rezitis. E-Book series. Bentham Science Publishers. ISSN: 1879-7415, eISBN: 978-1-60805-263-9. Available at: <u>http://www.benthamscience.com/ebooks/9781608052639/index.htm</u>.

Conferences

12th Panhellenic Symposium of Oceanography and Fisheries, Corfu, Greece, 30 May-3 June 2018. The following paper was presented by main author: 'SYSTEMATIC CONSERVATION

PLANNING: PROTECTING BIODIVERSITY AND FISHERIES RESOURCES IN CYPRUS', Markantonatou V, Chartosia N, Petrou A, Jimenez C, Karachle PK, Kavadas S, Maina I, Michailidis N, Scarcella G, Stithou M, Vassilopoulou V, Katsanevakis S.

12th Panhellenic Symposium of Oceanography and Fisheries, Corfu, Greece, 30 May-3 June 2018. The following poster was presented: 'LINKING IMPACTS OF HUMAN ACTIVITIES WITH KEY ECOSYSTEM SERVICES OF PRIORITY HABITATS IN THE AEGEAN SEA: THE CASE OF POSIDONIA OCEANICA MEADOWS AND THE SUBSEQUENT LOSS IN FLOWS OF CARBON STORAGE BENEFITS'. Gkadolou E, Stithou M, Vassilopoulou V.

41st CIESM Congress, Kiel, Germany, 12 September - 16 September 2016. The following paper was presented by main author: "The importance of coralligenous habitat to the local economy of Isole Tremiti MPA (Adriatic Sea): The case of recreational diving", Chimienti, G., Mura, I. D., Stithou, M., Mastrototaro, F., D'Onghia, G., Tursi, A., Izzi, C., Fraschetti, S. 41th CIESM CONGRESS PROCEEDINGS, Kiel (Germany).

Conference on "Economic Advice in Fisheries Management: a Trilogue between Science, Administration and Stakeholders", European Commission (DG MARE) in collaboration with the European Association of Fisheries Economists (EAFE) and the University of Malta, 4th to 5th of February 2016, Malta. Poster entitled "Drivers affecting trawl fishers discarding behaviour and potential incentives which may contribute to the successful implementation of the landings obligation in the Mediterranean"

International Scientific Symposium, Zakynthos, 4-6 December 2015. 'Marine Protected Areas in Greece and the Mediterranean: Designing for the Future by Applying Lessons Learnt from the Past'. Presented "Overview of socio-economic input for ecosystem-based Maritime Spatial Planning (MSP)" in Session "Marine Spatial Planning and Protected Areas in Greece and the Mediterranean".

2nd National Event for the Support Team of the Atlantic Action Plan: "Implementing the Atlantic Action Plan and Measuring the Ocean Economy" in Association with the 6th Annual Beaufort Socio-Economic Marine Research Workshop, Galway (Republic of Ireland), 24th November 2015. Presented "Overview of socio-economic input for ecosystem-based Maritime Spatial Planning (MSP)" in Parallel Session 1B: Beaufort Socio-Economic Marine Research - Beaufort Award Funded Research. <u>http://www.atlanticstrategy.eu/en/news-and-events/events/2nd-national-event-for-the-support-team-of-the-atlantic-action-plan</u>

11th Panhellenic Symposium on Oceanography and Fisheries, Lesvos, Greece, 13th to 17th of May 2015. "Overview of socio-economic input for ecosystem-based Maritime Spatial Planning (MSP)" Stithou, M. Presented during the round table discussions on "Maritime Spatial Planning in Greece: challenges due to the implementation of MSP Directive based on current knowledge" and contributed to the resulted declaration regarding the development of MSP in Greece. http://www.symposia.gr/wp-content/uploads/2015/06/MSP_declaration_web.pdf (In Greek).

European Conference of the International Microsimulation Association, Dublin, May 17th to 19th 2012. "Estimating the Value of Achieving 'Good Ecological Status under the Water Framework Directive' using Spatial Micro-Simulation Techniques", Hynes, S., Stithou, M., O'Donoghue, C., Norton, D.

EGU (European Geosciences Union) General Assembly 6 April 2011 Vienna, Austria "Can Coastal Europe Insure Against Climate Change: A Review of Experiences on Floods and Soil Erosion". Stithou, M., Koundouri, P., Rulleau, B.

Coastal Ecosystems Vulnerability to Global Change and Extreme Events: At the crossroads of knowledge to the benefit of coastal and marine ecosystem services, 18 - 21 October 2011, Biarritz, France. http://www.ifremer.fr/biarritz_2011_eng "Can Coastal Europe Insure Against

Climate Change: A Review of Experiences on Floods and Soil Erosion". Rulleau, B., Koundouri, P., Stithou, M.

48th Congress of the European Regional Science Association. 27 – 31 August 2008 Liverpool, UK "The Economic Value of Improvements in the Ecology of Irish Rivers due to the Water Framework Directive: A project overview." Stithou, M., Hynes, S., Hanley, N.

Final COASTANCE (Regional action strategies for coastal zone adaptation to climate change) conference. March 26-28th 2012, Komotini Greece. "Innovative Technologies for Safer European Coasts in a Changing Climate: An overview of the THESEUS project." Stithou, M. (http://www.theseusproject.eu/index.php?option=com_content&view=article&id=57%3Athese us-at-first-meeting-of-facecoast-cluster-in-rome&catid=13%3Anewsletter-4&Itemid=5)