

## MICHELE BAGGIO

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Italian citizen; US permanent resident

### ACADEMIC POSITION

Assistant Professor, Department of Economics, University of Connecticut, 2013-present.

Research affiliate, Joint Chair of Energy Policy and Economics (CEPE), ETH Zürich, Switzerland, 2015-present.

Research affiliate with the Institute for Collaboration on Health, Intervention, and Policy (InCHIP, UCONN), 2016-present.

Post Doc in Environmental Policy and Economics, Professorship of Environmental Policy and Economics (PEPE), ETH Zürich, Switzerland 2010-2013.

### RESEARCH INTERESTS

Environmental and Resource Economics, Ecological Economics, Health Economics.

### EDUCATION

Ph.D. Agricultural & Resource Economics Dept., University of Maryland – College Park, USA. 2012.

M.Sc. Agricultural & Resource Economics Dept., University of Maryland – College Park, USA. 2008.

Doctorate Economics, University of Verona, Italy. 2006.

M.Sc. Environmental Economics and Environmental Management, University of York, UK. 2001.

B.Sc. Economics, University of Verona, Italy. 1999.

### PUBLICATIONS

#### Peer-reviewed Articles

Baggio M., Towe C., Trüssel D, and A. Peter, 2019. Evaluating the Effects of River and Stream Restorations: Evidence from Recreational Fishing. *Land Economics*, accepted.

- Baggio M., Chong A., and S. Kwon, 2019. Marijuana and Alcohol: Evidence Using Border Analysis and Retail Sales Data. *Canadian Journal of Economics*, accepted.
- Baggio M. and J. Choi, 2017. Is Access to Medical Marijuana a Disamenity? *Economics Bulletin*, Vol. 37(2): p.A114.
- Baggio M. and P. L. Fackler, 2016. Optimal management with reversible regime shifts. *Journal of Economic Behavior and Organizations*, Vol. 132(B): 124–136
- Baggio M., 2016. Short-run economic benefits from water quality improvements: An application to the American lobster fishery of Long Island Sound. *Estuaries and Coasts*, Vol. 39(6): 1816-1826.
- Baggio M., 2016. Optimal Fishery Management with Regime Shifts: An Assessment of Harvesting Strategies. *Environmental and Resource Economics*, Vol. 64: 465–492.
- Baggio M. and C. A. Perrings, 2015. Modelling adaptation in multi-state resource systems: An application to the Peruvian anchoveta fishery. *Ecological Economics*, Vol. 116: 378-386.
- Chavas, J.P. and M. Baggio, 2011. On the Consumer Value of Diversity. *Journal of Agricultural Economics*, Vol. 62(3): 604-629
- Baggio M., 2011. Estimating Weight-Length Relationships without Individual Weight Data. An application to the American lobster (*Homarus americanus*) of Long Island Sound. *Reviews in Fish Biology and Fisheries*, Vol. 21(4): 771-777.
- Chavas, J.P. and M. Baggio, 2010. On Duality and the Benefit Function. *Journal of Economics*, Vol. 99(2): 173-184.
- Baggio M. and J.P. Chavas, 2009 “On the Consumer Value of Complementarity: A Benefit Function Approach.” *American Journal of Agricultural Economics*, Vol. 91(2): 489-502.

### Book Contributions

- Baggio M., 2006 “Resolution of Conflicts in a Natural Area,” in *Integrated Assessment and Management of Public Resources*, Cooper J., Perali F., and Veronesi M. editors, Edward Elgar Publishing Ltd.
- DeAgostini P., A. Pecci, F. Perali, S. Lovo, and M. Baggio, 2006 “Simulation of the Impact of Functional Alternatives on the Local Economy using Input-Output Analysis,” in *Integrated Assessment and Management of Public Resources*, J. Cooper, F. Perali, and M. Veronesi (Eds.) Edward Elgar Publishing Ltd.

### **WORKING PAPERS**

Sex, Drugs, and Baby Booms: Can Behavior Overcome Biology? With A. Chong (Dept. of Economics, Georgia State U.), and D. Simon (Dept. Economics, U. of Connecticut). *Revision requested.*

On the Productive Value of Biodiversity: An Application to the Fishery of Lake Zurich, Switzerland, with Jean-Paul Chavas (Dept. of Agricultural and Applied Economics, UW Madison), Salvatore Di Falco (Dept. of Economics, University of Geneva, Switzerland), Francesco Pomati (Eawag, Dept. of Aquatic Ecology, Switzerland), and Andreas Hertig (Dept. of Fishing and Hunting, Canton Zurich, Switzerland). *Revision requested.*

Free Trade Agreements and Obesity, with A. L. Chong (Dept. of Economics, Georgia State U.).

Recreational Marijuana Laws and Junk Food Consumption: Evidence Using Border Analysis and Retail Sales Data, with A. L. Chong (Dept. of Economics, Georgia State U.).

Renewable Resource Dynamics Under Correlated Environmental Disturbances: The Case of Competitive Harvesting, with L. J. Olson (Dept. of Agricultural and Resource Economics, University of Maryland).

## **WORK IN PROGRESS**

The Housing Market Impacts of Noise Pollution: Evidence from a Natural Experiment, with C. Towe (University of Connecticut, Dept. of Agricultural and Resource Economics).

Respiratory Allergies and Adaptation to Climate Change: Evidence from Defending Expenditure on Over-The-Counter Allergy Medications in the US, with C. Towe (University of Connecticut, Dept. of Agricultural and Resource Economics).

## **GRANTS**

Michele Baggio (PI), Armin Peter (EAWAG, Switzerland) Andreas Hertig (Dept. of Fishing and Hunting, Canton Zurich, Switzerland), Daniel Trüssel (ETH, Dept. of Forest Engineering, Switzerland), Massimo Filippini (ETH, Centre for Energy Policy and Economics). Title: Impact assessment of habitat restoration policies: An analysis of river restoration in Switzerland. Federal Office for the Environment (FOEN), Switzerland. **Funded.** Amount funded: 155,000 Swiss Francs (\$165,000).

Michele Baggio (PI) and Alberto Chong Dept. of Economics, Georgia State U., CO-PI). Title: Alcohol, Munchies, and Risky Sexual Behavior: Unintended Effects of Medical Marijuana Laws. UCONN Research Foundation. **Funded.** Amount funded: \$22,200.

Michele Baggio (PI), Alberto Chong (Dept. of Economics, Georgia State U., CO-PI) and Sebastian Miller (IDB, Washington DC). Title: Do we really care about the environment? Evidence from real-time environmental monitoring. UCONN Research Foundation. **Funded.** Amount funded: \$1,500

Michele Baggio and Charles Towe (UCONN, PI). Title: Stream Restoration and Ecosystem Health: An Evaluation of Catch and Trips of Swiss Anglers. UCONN Research Foundation. **Funded**. Amount Funded: \$1,500

## TEACHING EXPERIENCE

Spring 2018.

Department of Economics, University of Connecticut at Storrs: ECON2201 *Intermediate Microeconomics* (undergraduate).

Spring 2015.

Department of Economics, University of Connecticut at Storrs: ECON2311 *Empirical Methods in Economics I* (undergraduate).

Spring 2014.

Instructor, Maritime Studies, University of Connecticut at Avery Point: ECON 2495-N60, *Special Topics – Env.&Nat.Res.Economics* (undergraduate).

Fall 2013 – present.

Instructor, Maritime Studies, University of Connecticut at Avery Point: ECON1201 *Principles of Microeconomics* (undergraduate).

Spring 2010-2012.

Instructor, ETH Zurich, Professorship of Environmental Policy and Economics, *Policy and Economics of Ecosystem Services* (graduate).

Spring 2007 and 2007.

Teaching assistant, University of Maryland, Department of Environmental Policy: *Introduction to Environmental Policy* (undergraduate).

## PROFESSIONAL ACTIVITIES

Referee for *Agribusiness*, *Agricultural Economics*, *American Economic Journal: Economic Policy*, *American Journal of Agricultural Economics*, *Ecosystems*, *Empirical Economics*, *Environmental & Resource Economics*, *European Review of Agricultural Economics*, *Food Policy*, *Frontiers in Ecology and the Environment*, *Journal of Benefit-Cost Analysis*, *Journal of Economics*, *Review of Law & Economics*, *Southern Economic Journal*.

Served as member for the *Programme Committee for the 6th World Congress of Environmental and Resource Economists* (2018), *Programme Committee for the 23rd Annual Conference of the European Association of Environmental and Resource Economists* (2017), *Rhode Island Sea Grant Research Review Panel* (2016), *Programme Committee for the 22nd Annual Conference of the European Association of Environmental and Resource Economists* (2016), *Programme Committee for the 21th Annual Conference of the European Association of Environmental and Resource Economists* (2015), *Program Committee for the 5th World Congress of Environmental and Resource Economists* (2014), *Programme Committee for the 20th Annual Conference of the European Association of Environmental and Resource Economists* (2013), *Programme*

*Committee for the 18th Annual Conference of the European Association of Environmental and Resource Economists* (2011).

## **WORK REFERENCED IN MEDIA**

Michael Derby, *The Wall Street Journal*, November 2018. Medical-Marijuana Legalization Leads to Baby Boomlet, Paper Says.

Justin Lahart, *The Wall Street Journal*, October 2018. Firms betting on pot may be worse off when the smoke clears. Interview with Stephany Laperriere, August 2018, ICI/CBC Radio-Canada.

“Alcohol Sales Dropped 15% In States With Medical Marijuana Laws” January 2018, Food&Agriculture, Forbes.

“How pot is cutting into MillerCoors' light beer biz” January 2018, Crain’s Chicago Business.

“Medical marijuana took a bite out of alcohol sales. Recreational pot could take an even bigger one” December 2017, Wonkblog, The Washington Post

Interview with Andrea Montgomery , December 2017, Global News Radio, Canada.

“New Study Says Marijuana Legalization Reduces Alcohol” December 2017, Mother Jones

“Study shows alcohol sales fall after cannabis legalization.” December 2017, WIRE.

“More Marijuana Stock Deal-Making Is on the Way for This 1 Simple Reason” December 2017, The Nasdaq website.

## **CONFERENCE AND SEMINAR PRESENTATIONS**

“Medical Marijuana Laws and Alcohol Consumption: Evidence from Retail Scanner Data.”

- Cowen and Company, LLC, New York, NY. January 11, 2018. (*Invited*).
- Brandeis University, Dept. of Economics, March 2, 2018. (*Invited, but not delivered for personal reasons*).

“Evaluating the Effects of River and Stream Restorations: An Application in Switzerland.”

- Seminar in Environmental and Natural Resource Economics, The Yale School of Forestry & Environmental Studies, Yale. October 5, 2016. (*Invited*).
- Presented at the European Association of Environmental and Resource Economists (EAERE) 22nd Annual Summer Conference. June 2016. Zurich, Switzerland. (*Contributed*).
- Presented at the Association of Environmental and Resource Economists (AERE) 5<sup>th</sup> Annual Summer Conference. June 2016. Breckenridge, CO. (*Contributed*).
- Presented at the 2016 Annual Convention Allied Social Science Association (ASSA).

January 3-5, 2016. San Francisco, CA. (*Contributed*).

- Presented at the Association of Environmental and Resource Economists (AERE) 4<sup>th</sup> Annual Summer Conference. June 3-5, 2015. San Diego, CA. (*Contributed*).
- Dept. of Agricultural and Resource Economics, University of Connecticut, December 2015. (*Invited*).

“Modelling adaptation in multi-state resource systems: An application to the Peruvian anchoveta fishery.”

- The 5th World Congress of Environmental and Resource Economists, Istanbul, Turkey. June 30, 2014. (*Contributed*).

“The Optimal Management of a Natural Resource under Regime Switching Behavior”

- Dept. of Agricultural and Resource Economics, University of Connecticut. November 15, 2013. (*Invited*).
- Association of Environmental and Resource Economists (AERE) 3rd Annual Summer Conference. June 6-8, 2013. Banff, Alberta, Canada. (*Contributed*).
- The 14th Annual BIOECON Conference on Resource Economics, Biodiversity Conservation and Development, University of Cambridge, Cambridge, UK, September 2012. (*Contributed*).
- Conference on Sustainable Resource Use and Economic Dynamics – SURED 2012, Ascona, Switzerland, June 2012; (*Contributed*).
- EAERE 19th Annual Conference, University of Economics, Prague, Czech Republic, June 2012; (*Contributed*).
- EAWAG, CEEB seminar series, Kastanienbaum, Switzerland, February 20, 2012; (*Invited*).
- EAAE 13th Annual Conference, ETH, Zürich, Switzerland, August 2011; (*Contributed*).

“Analysis of the Determinants of Stock Collapse: The Case of the American Lobster Fishery of Long Island Sound”

- EAERE 18th Annual Conference, University of Tor Vergata, Rome, Italy, June 2011; (*Contributed*).
- IRSA-CNR Brugherio (Monza), Italy, January 27, 2011; (*Invited*).
- EAWAG seminar series, Dübendorf, Switzerland, December 10, 2010; (*invited*).

“The Influence of Serially Correlated Shocks on the Conservation of Fish Stocks under Open Access Harvesting”

- TROPENTAG 2010, International Research on Food Security, Natural Resource Management and Rural Development, Zurich September 14-16, 2010; (*Contributed*).
- WCERE 2010 Fourth World Congress, Montreal, Canada, June 28 to July 2, 2010. (*Contributed*).

“On the Consumer Value of Complementarity”

- EAERE 15th Annual Conference, University of Macedonia, Thessaloniki, Greece, June 2007; (*Contributed*).

- Department of Economics, University of Verona. December 2003. (*Invited*).

## **LANGUAGES**

Italian (native), English (fluent), basic Spanish and German (A-2.1).

## **COMPUTER SKILLS**

STATA, MATLAB, GAUSS, LaTeX.