


PERSONAL INFORMATION

Francesco Bosello



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Sex M | Date of birth 23/10/1968 | Nationality Italian

WORK EXPERIENCE

02.01.2018 – to present

Associate Professor of Economics

Department of Environmental Science and Policy

Milan State University

Via Celoria 2, 20133, Milan, Italy

Research in the field of the economic assessment of climate change impacts and policy with particular emphasis on adaptation, using and developing integrated assessment models coupling economic , environmental impact and climate models. Teachings: climate change economics, economics of growth and sustainability

01.02.2007 –01.01.2018

Assistant Professor of Economics

Department of Economics Management and Quantitative Methods

Milan State University

Via del Conservatorio 7, 20122, Milan, Italy

Research in the field of economic assessment of climate change impacts and policy with particular emphasis on mitigation, using and developing integrated assessment models coupling economic , environmental impact and climate models. Teachings: micro-economics, research methods.

01.01.2008 – to present

Affiliate Scientist

Euro-Mediterranean Center on Climate Change

Via Augusto Imperatore 16, 73100, Lecce, Italy

Research in the field of economic assessment of climate change impacts and policy with particular emphasis on mitigation, using and developing integrated assessment models coupling economic , environmental impact and climate models.

01.01.2006 – 01.01.2018

Associate Researcher

Fondazione Eni Enrico Mattei

S. Giorgio Maggiore, 30124, Venice, Italy

Research in the field of economic assessment of climate change impacts and policy with particular emphasis on mitigation, using and developing integrated assessment models coupling economic , environmental impact and climate models.

01.01.2006 - 01.01.2007

Research Fellow

Department of Economics,

University of Venice Ca' Foscari,

S. Giobbe, 873, Venice, Italy

Research on social economic impact of climate change in the area of the Venice lagoon, VECTORS project.

01.02.2003 – 31.12.2005 **Visiting Scientist**
 Abdus Salam Center of Theoretical Physics
 Strada Costiera 11, I 34151, Trieste, Italy
Development of climate-economic integrated models for climate change impacts and policy assessment

01.01.1998 – 31.07.2001 **Junior Researcher**
 Fondazione Eni Enrico Mattei,
 Palazzo Querini Stampalia, Castello 4848, 30122, Venice, Italy
Researcher within the “Climate Change and Policy” unit. Development of integrated assessment modelling tools for the evaluation of costs and benefits of climate change and of climate change policies, profitability and stability of international environmental agreements, the role of uncertainty and irreversibility in shaping long term policy decision, equity.

EDUCATION AND TRAINING

2000 - 2005 **PhD economics**
 University of Venice Ca' Foscari,
 Dipartimento di Economia,
 S. Giobbe, 873, Venice, Italy
 Econometrics, Dynamic Growth, General Equilibrium Modeling. Mitigation and adaptation strategies to contrast global climate change.

2001 – 2002 **MSc economics**
 University College of London,
 Gower Street, London, WC1E 6BT, United Kingdom
 General Equilibrium and Dynamic growth Modeling, Game Theory, Environmental Economics

1987 – 1996 **Bachelor degree in economics**
 University of Venice Ca' Foscari,
 Dipartimento di Economia,
 S. Giobbe, 873, Venice, Italy

PERSONAL SKILLS

Mother tongue(s) Italian

Other language(s)	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
ENGLISH	C1	C1	C1	C1	C1
	Replace with name of language certificate. Enter level if known.				
FRENCH	B1	B1	B1	B1	B1
	Replace with name of language certificate. Enter level if known.				

Levels: A1/A2: Basic user - B1/B2: Independent user - C1/C2 Proficient user
[Common European Framework of Reference for Languages](#)

Communication skills Excellent communication skills gained through my experience as professor, presenter at academic conferences, consultant for national and international policy making.

Organisational / managerial skills

I'm currently the director of the Italian Euro-Mediterranean Center on Climate Change Economic analysis of Climate Impacts and Policy (ECIP) research division.
I'm co-director of the European Institute on Economics and the Environment (EIEE) a joint initiative of the US research center Resources for the Future and of the Italian Euro-Mediterranean Center on Climate Change.
Since 01.01.2016 to 31.12.2018 I was also the coordinator of the Fondazione Eni Enrico Mattei (Italy) Climate Change Economic Impact and Adaptation (EIA) research area.

Digital skills

- good command of economic modelling software GEMPACK and GAMS for computable general equilibrium and dynamic optimization modelling
- independent user of major econometric software, GRET, STATA
- good command of office suite (word processor, spread sheet, presentation software)

ADDITIONAL INFORMATION

Publications (selected)

Journals

J. Mysiak, S.Torresan, **F. Bosello**, M. Mistry, F. Bosello, M. Amadio, S. Marzi, E. furlan and A. Sperotto (2018), "Climate risk index for Italy" *Philosophical transaction of the royal society A* vol 376 , I 2121,

Panagos P, Standardi G, Borrelli P, Lugato E, Montanarella L, **Bosello F** (2018), "Cost of agricultural productivity loss due to soil erosion in the European Union: From direct cost evaluation approaches to the use of macroeconomic models", *Land Degradation and Development*;1–14. <https://doi.org/10.1002/ldr.2879>

Bosello, F, Campagnolo, L., Cervigni, R., Eboli F. (2017), "Climate Change and Adaptation: The Case of Nigerian Agriculture", *Environment and Resource Economics* DOI 10.1007/s10640-016-0105-4

Otrachshenko, V., **Bosello F.** (2016), "Fishing for answers? Impacts of marine ecosystem quality on coastal tourism demand", *Tourism Economics* 1–18 DOI: 10.1177/1 54816616656422

Groeneveld, R.A., Bartelings, H., Börger, T., **Bosello, F.**, Buisman, Delpiazzi, E., Eboli, F., Fernandes, J.A., G. Hamon, G.K., Hattam, C., Loureiro, M., Nunes, P.A.L.D, Piwowarczyk, J., Schasfoort, F.E., Simons, S.L., Walker A.N. (2016), "Economic impacts of marine ecological change: Review and recent contributions of the VECTORS project on European marine waters", *Estuarine, Coastal and Shelf Science* DOI: 10.1016/j.ecss.2016.04.002

Groeneveld, R.A., **Bosello, F.**, Butenschön, M., Elliott, M., Peck, M.A., Pinnegar, J.K. (2015), "Defining scenarios of future vectors of change in marine life and associated economic sectors" *Estuarine, Coastal and Shelf Science* . doi:10.1016/j.ecss.2015.10.020

L. Carrera, G. Standardi, **F. Bosello**, J. Mysiak (2015) "Assessing direct and indirect economic impacts of a flood event through the integration of spatial and computable general equilibrium modelling", *Environmental Modelling & Software* 63 109-122

Bosello, F. Parrado, R., Rosa, R. e F. Eboli (2014), "REDD in the Carbon Market: A General Equilibrium Analysis", *Environmental Modelling and Assessment* DOI 10.1007/s10666-014-9419-1

Bosello, F., De Cian, E., Climate change, sea level rise, and coastal disasters. A review of modeling practices *Energy Economics* (2013), <http://dx.doi.org/10.1016/j.eneco.2013.09.002>

Bosello, F., Carraro, C., De Cian, E., (2013), "Adaptation can help mitigation: an integrated approach to post 2012 climate policy", *Environment and Development Economics*, 18, pp 270-290

Bosello, F., Parrado, R. and R. Rosa (2013) "The economic and environmental effects of an EU ban on illegal logging imports. Insights from a CGE assessment" *Environment and Development Economics* doi:10.1017/S1355770X12000526

Bosello, F., Campagnolo L., Eboli, F. and R. Parrado, (2012) "Energy from waste: generation potential and mitigation opportunity", *Environmental Economic Policy Study* (2012)

Bosello F., Nicholls R.J., Richards, J., Roson, R. and Richard S. J. Tol (2012), "Economic impacts of climate change in Europe: sea-level rise", *Climatic Change*, 112:63–81

Agrawala, S., **Bosello, F.**, Carraro, C, de Bruin, K., De Cian, E., Dellink, R., and E. Lanzi (2011), "Plan or React? Analysis of adaptation costs and benefits using integrated assessment models", *Climate Change Economics*, Vol. 2, No. 3 (2011) 175–208

Agrawala, S., **Bosello, F.**, Carraro, C, De Cian, E., and E. Lanzi (2011), "Adapting to Climate Change: Costs, Benefits, and Modelling Approaches", *International Review of Environmental and Resource Economics*, 5: 245–284

Bosello, F., Eboli, F., Parrado, R., Nunes, P.A.L.D., Ding, H. and R. Rosa (2011), "The economic assessment of changes in ecosystem services: an application of the CGE methodology" *Economía Agraria y Recursos Naturales*. ISSN: 1578-0732. Vol. 11,1. (2011). pp. 161-190

Bosello, F., Carraro, C., De Cian, E., (2010), "Climate policy and the optimal balance between mitigation and adaptation and unavoided damage", *Climate Change Economics*, Vol. 1, No. 2 71–92

Ronneberger K., Berritella M., **Bosello F.**, and R. S. J. Tol (2009), " KLUM@GTAP: Introducing Biophysical Aspects of Land-Use Decisions into a Computable General Equilibrium Model a Coupling Experiment" *Environmental Modeling and Assessment* 14: 149–169

Book Chapters:

Bosello F. and Standardi G. (2018). A Sub-national CGE Model for the European Mediterranean Countries, in F. Perali and P. L. Scandizzo (eds.), *The New Generation of Computable General Equilibrium Models*, Springer International.

Bosello, F., A. Iglesias, M. Termansen, A. Jeuken, H. Winsemius, E. De Cian, A. Chiabai and L. Garrote, Chapter 5 - Economy-Wide Impacts of Climate Mitigation and Adaptation Strategies Across European Regions, In *Adapting to Climate Change in Europe*, edited by Hans Sanderson, Mikael Hildén, Duncan Russel, Gil Penha-Lopes and Alessio Capriolo, Elsevier, 2018, Pages 245-271, ISBN 9780128498873,

Ziveri, P., Delpiazzi, E., **Bosello, F.**, Eboli F. and J. van den Bergh (2017), " Chapter 16: Adaptation policies and strategies as a response to ocean acidification and warming in the Mediterranean Sea", in Nunes P.A.L.D., Svensson L.E. and A. Markandya (eds.) " *Handbook on the Economics and Management of Sustainable Oceans*", Edward Elgar Pubs.

Bosello, F. (2014), "The role of economic modelling for climate change mitigation and adaptation strategies", in A. Markandya, I. Galarraga, E. Sainz de Murieta (eds.) " *Routledge Handbook of the Economics of Climate Change Adaptation*", Routledge, Oxon and New York

Bosello, F. and F. Eboli (2014), "The economic cost of climate change", in the *IEMED Mediterranean Yearbook 2014*, European Institute of the Mediterranean (Eds), Barcelona, Spain

Reports

Bosello F., Furlan E., Galluccio G., Mereu V., Mistry M., Mysiak J., Perez D., Sperotto A., Torresan S. (2017), "Valutazione della propensione al rischio" in "Supporto tecnico-scientifico per il Ministero dell'Ambiente e della Tutela del Territorio e del Mare (MATTM) ai fini dell'Elaborazione del Piano Nazionale di Adattamento ai Cambiamenti Climatici (PNACC)"

Bosello F., Breil M., Filpa A., Marras S., Mercogliano, P., Rianna G., Porceddu, V., Torrente V. (2017), "Insediamenti urbani", in "Supporto tecnico-scientifico per il Ministero dell'Ambiente e della Tutela del Territorio e del Mare (MATTM) ai fini dell'Elaborazione del Piano Nazionale di Adattamento ai Cambiamenti Climatici (PNACC)"

Bosello F., Calliari, E., del Piazza, E. Campagnolo, L., Galluccio, G., Mereu V., Mysiak J., Sini, E. (2017), "Analisi di adattamento preferibili", in "Supporto tecnico-scientifico per il Ministero dell'Ambiente e della Tutela del Territorio e del Mare (MATTM) ai fini dell'Elaborazione del Piano Nazionale di Adattamento ai Cambiamenti Climatici (PNACC)"

Bigano, A., **Bosello, F.**, Galluccio, G., Sini E., (2017), "Stima delle risorse umane e finanziarie" in "Supporto tecnico-scientifico per il Ministero dell'Ambiente e della Tutela del Territorio e del Mare (MATTM) ai fini dell'Elaborazione del Piano Nazionale di Adattamento ai Cambiamenti Climatici (PNACC)"

D. A. Raitzer, **F. Bosello**, M. Tavoni, C. Orecchia, G. Marangoni, and J. N. G. Samson (2015), "Southeast Asia and the economics of climate stabilization", Asian Development Bank, Mandaluyong City, Philippines

Dellink, R., Lanzi, E., Chateau, J., **Bosello, F.**, Parrado, R. and K. de Bruin (2014), "Consequences of Climate Change Damages for Economic Growth – a Dynamic Quantitative Assessment" OECD Economics Department Working Papers No. 1135

Castellari S., Venturini S., Giordano F., Ballarin Denti A., Bigano A., Bindi M., **Bosello F.**, Carrera L., Chiriacò M.V., Danovaro R., Desiato F., Filpa A., Fusani S., Gatto M., Gaudio D., Giovanardi O., Giupponi C., Gualdi S., Guzzetti F., Lapi M., Luise A., Marino G., Mysiak J., Montanari A., Pasella D., Pierantonelli L., Ricchiuti A., Rudari R., Sabbioni C., Sciortino M., Sinisi L., Valentini R., Viaroli P., Vurro M., Zavatarelli M. (2014). Elementi per una Strategia Nazionale di Adattamento ai Cambiamenti Climatici. Ministero dell'Ambiente e della Tutela del Territorio e del Mare, Roma.

Furthermore

Contributing author of:

Arent, D.J., R.S.J. Tol, E. Faust, J.P. Hella, S. Kumar, K.M. Strzepek, F.L. Tóth, and D. Yan, 2014: Key economic sectors and services. In: Climate Change 2014: Impacts, Adaptation, and Vulnerability. Part A: Global and Sectoral Aspects. Contribution of Working Group II to the Fifth Assessment Report of the Intergovernmental Panel on Climate Change [Field, C.B., V.R. Barros, D.J. Dokken, K.J. Mach, M.D. Mastrandrea, T.E. Bilir, M. Chatterjee, K.L. Ebi, Y.O. Estrada, R.C. Genova, B. Girma, E.S. Kissel, A.N. Levy, S. MacCracken, P.R. Mastrandrea, and L.L.White (eds.)]. Cambridge University Press, Cambridge, United Kingdom and New York, NY, USA, pp. 659-708.

Projects

Coordinator of the H2020 Co-Designing the Assessment of Climate Change Costs (COACCH) research project (SC5-06-2016-2017, RIA) Administred Budget: 811991

Participant to the H2020 Climate forecast enabled knowledge services (CLARA) research project (SC5-01-2016-2017, IA) EC contr : 790000

Participant to the FP7 Bottom-up Climate Adaptation Strategies towards a Sustainable Europe (BASE) research project (ENV.2012.6.1-3, CP) Administred Budget: Eur 409016

Participant to the FP7 Economics of climate change adaptation in Europe (ECONADAPT) research project (ENV.2013.6.1-6, CP) Administred Budget: Eur 194353

Participant to the FP7 Full Cost of Climate Change (CLIMATECOST) research project (ENV.2007.1.1.6.1, CP-FP) Administred Budget: Eur: 200400

Participant to the FP7 Forest fires under climate, social and economic changes in Europe, the Mediterranean and other fire-affected areas of the world (FUME) research project (ENV.2009.1.3.1.1, CP-IP) Administered udget: Eur 652063

Participant to the FP7 Climate change predictions in Sub-Saharan Africa: impacts and adaptations (CLIMAFRICA) research project (ENV.2009.1.1.5.1, CP-FP-SICA) Administered Budget: 802040

Participant to the FP7 MEDiterranean Sea Acidification in a changing climate (MEDSEA) research project (ENV.2010.1.1.5-1, CP-FP) Administered Budget: Eur 170900

Memberships

European Association of Environmental and Resource Economists, Italian Association of Environmental and Resource Economists, Società Italiana per le Scienze del Clima

Certifications

Il sottoscritto è a conoscenza che, ai sensi dell'art. 76 del DPR 445/2000, le dichiarazioni mendaci, la falsità negli atti e l'uso di atti falsi sono puniti ai sensi del codice penale e delle leggi speciali. Inoltre, il sottoscritto autorizza al trattamento dei dati personali, secondo quanto previsto dal Regolamento (UE) 2016/679 del 27 aprile 2016 in materia di protezione delle persone fisiche con riguardo al trattamento dei dati personali.

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