



Europass Curriculum Vitae

Personal information

First name(s) / Surname(s) **Francesco BOSELLO**

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Nationality Italian

Date of birth 23.10.1968

Gender Male

Work experience

Dates **from 01 NOVEMBER 2020 to present**

Occupation or position held Associate Professor

Main activities and responsibilities Research.
Teachings. Environmental Economics, Economic Modelling of Climate Change Impacts and Policy.

Name and address of employer Università Ca' Foscari of Venice, Department of Environmental Sciences Informatics and Statistics,
Via Torino 155, 30170, Mestre-Venice, Italy

Dates **02.01.2018 – to 31 October 2020**

Occupation or position held Associate Professor

Main activities and responsibilities Research.
Teachings. Climate Change Economics, Environmental Economics, Economics of Growth and Sustainability.

Name and address of employer Milan State University, Department of Environmental Science and Policy, Via Celoria 2, 20133, Milan, Italy

Dates **01.02.2007 –01.01.2018**

Occupation or position held Assistant Professor

Main activities and responsibilities Research.
Teachings. Climate Change Economics, Environmental Economics, Economics of Growth and Sustainability.

Name and address of employer Milan State University, Department of Environmental Science and Policy, Via Celoria 2, 20133, Milan, Italy

Dates **01.01.2008 – to present**

Occupation or position held Affiliate scientist

Main activities and responsibilities 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

Name and address of employer Euro-Mediterranean Center on Climate Change , Via Augusto Imperatore 16, 73100, Lecce, Italy

Dates **from 01 January 2006 to 01 January 2018**
Occupation or position held Associate Researcher
Main activities and responsibilities Research on social economic impact assessment of climate change and on costs and benefits of climate change policies.
Support in drafting and coordinating European Commission and other institutionally funded research projects..
Name and address of employer Fondazione Eni Enrico Mattei, Venice office, S. Giorgio Maggiore, 30100, Venice, Italy

Dates **from 01 January 2006 to 01 January 2007**
Occupation or position held Research Fellow
Main activities and responsibilities Research on social economic impact of climate change in the area of the Venice lagoon, VECTORS project.
Name and address of employer University of Venice Ca' Foscari, , Dipartimento di Economia, S. Giobbe, 873, Venice, Italy

Dates **from 01. February 2003 to 31.December. 2005**
Occupation or position held Visiting Scientist
Main activities and responsibilities Development of climate-economic integrated models for climate change impacts and policy assessment
Name and address of employer Abdus Salam International Center of Theoretical Physics, Strada Costiera 11, I 34151, Trieste, Italy

Dates **from 01. January 1998 – to 31. July. 2001**
Occupation or position held Junior Researcher
Main activities and responsibilities 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.
Name and address of employer Fondazione Eni Enrico Mattei, Venice office, C/O Palazzo Querini Stampalia, Castello 4848, 30122, Venice, Italy

Education and training

Dates **March 2005**
Title of qualification awarded Philosophy Doctor (PhD) (Italian Dottorato di Ricerca) in Economics. Dissertation Title: "Mitigation and adaptation strategies in response to global climate change: three essays in environmental economics", Supervisor Prof. Carlo Carraro
Principal subjects/occupational skills covered Econometrics, Dynamic Growth, General Equilibrium Modeling. Mitigation and adaptation strategies to contrast global climate change.
Name and type of organisation providing education and training University of Venice Ca' Foscari, Dipartimento di Economia, S. Giobbe, 873, Venice, Italy.

Dates **October 2002**
Title of qualification awarded Master of Sciences (MSc) in Economics. (60/100) Title of the dissertation: "Is the Kyoto Protocol an empty box? A possible answer from the environmental Kuznets curve". Supervisor Prof. Timothy Swanson
Principal subjects/occupational skills covered General Equilibrium and Dynamic Modeling, Game Theory, Environmental Economics.
Name and type of organisation providing education and training University College of London, Gower Street, London, WC1E 6BT, United Kingdom.

Dates **November 1996**
Title of qualification awarded Bachelor (Honour) Degree in Economics (110/110 cum laude). Dissertation title: "Politiche fiscali per l'ambiente e l'occupazione: teoria economica e verifica econometrica" Supervisors prof. Ignazio Musu and prof. Carlo Carraro.

Principal subjects/occupational skills covered	“Green” fiscal reforms to promote employment and environmental improvement .
Name and type of organisation providing education and training	University of Venice Ca’ Foscari, Dipartimento di Economia, S. Giobbe, 873, Venice, Italy.

Personal skills and competences

Mother tongue(s) **Italian**

Other language(s) **English, French**

Self Assessment
European Level (*)

English

French

Understanding				Speaking				Writing	
Listening		Reading		Spoken interaction		Spoken Production			
C2	Proficiency user	C2	Proficiency user	C2	Proficiency user	C2	Proficiency user	C2	Proficiency user
B1	Independent user	B2	Independent user	B2	Independent user	B2	Independent user	A2	Basic user

(*) Common European Framework of Reference (CEF) level

Organisational skills and competences

Consolidated experience in research project development and coordination acquired during a ten year involvement in European Commission Framework Research Programmes. Experience in managing multidisciplinary research groups.

Computer skills and competences

Consolidated experience in the use of main Microsoft Office™ software packages, and of technical software for econometric and economic modelling research: Stata™, Gams™, Gempack™

Additional information

• Journals

Selected Publications

Rizzati, M., Standardi G., Guastella G., Parrado R., Bosello F., Pareglio S. (2022), "The local costs of global climate change: spatial GDP downscaling under different climate scenarios", SPATIAL ECONOMIC ANALYSIS, <https://doi.org/10.1080/17421772.2022.2096917>

Bardazzi, E. and F. Bosello (2021), "Critical reflections on Water-Energy-Food Nexus in Computable General Equilibrium models: A systematic literature review", Environmental Modelling & Software, 145 <https://doi.org/10.1016/j.envsoft.2021.105201>

Furini F. and F. Bosello (2020), "Accounting for adaptation and its effectiveness in International Environmental Agreements", Environmental Economics and Policy Studies <https://doi.org/10.1007/s10018-020-00294-3>

Parrado, R., Bosello, F., Delpiazzo, E., Hinkel, J., Lincke, D., and S. Brown (2020), "Fiscal effects and the potential implications on economic growth of sea-level rise impacts and coastal zone protection", Climatic Change <https://doi.org/10.1007/s10584-020-02664-y>

van Ginkel, K., Botzen, W., Haasnoot, M., Bachner, G., Steininger, K., Hinkel, J., Watkiss, P., Boere, E., Jeuken, A., Sainz de Murieta, E, Bosello, F. (2020), "Climate change induced socio-economic tipping points: review and stakeholder consultation for policy relevant research", Environmental Research Letters, 15 (2020) 023001 <https://doi.org/10.1088/1748-9326/ab6395>

Markandya, A., De Cian, E., Drouet, L., Polanco-Martinez J.M., Bosello F. (2019), "Building Risk into the Mitigation/Adaptation Decisions Simulated by Integrated Assessment Models", Environmental and Resource Economics, (2019) 74:1687–1721 <https://doi.org/10.1007/s10640-019-00384-1>

Mysiak, J., Torresan, S., Bosello, F., Mistry, M., Amadio, M., Marzi, S., Furlan, E., Sperotto A. (2018), "Climate Risk Index for Italy", Philosophical Transaction of the Royal Society A, DOI: 10.1098/rsta.2017.0305

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 macro-economic models". *Land Degradation and Development* 2018;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, Delpiazzo, 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 (2015). "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
- Carrera, L., Standardi, G., Bosello, F. 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. and 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., 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., 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., 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 R.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 Cian E. and E. Lanzi (2011), "Adapting to Climate Change: Costs, Benefits, and Modelling Approaches", *International Review of Environmental and Resource Economics*, 2011, 5: 1–40
- 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
- Bosello, F., Eboli, F., Parrado, R., Nunes P. A.L.D., Ding, H., Rosa, R. (2011), "The economic assessment of changes in ecosystem services: an application of the CGE methodology", *Forthcoming in Economia Agraria y Recursos Naturales*, Vol. 11,1. (2011). pp. 161-190
- Bosello, F., Carraro, C. and de Cian E. (2010), "Climate Policy and the Optimal Balance between Mitigation, Adaptation and Unavoided Damage", *Climate Change Economics*, Vol. 1, No. 2 (2010) 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 general equilibrium model. A coupling experiment*", *Environmental Modelling and Assessment*, Vol. 14, n. 2.
- Bigano, A., Bosello, F., Roson, R. and R.S.J. Tol (2008) "Economy-wide impacts of climate change: a joint analysis for sea level rise and tourism", *Mitigation and Adaptation Strategies for Global Change*, Vol. 13, n. 8.

• Books and Reports

- Povellato, A., Bosello, F., and C. Giupponi (2007), "Cost Effectiveness of Greenhouse Gases Mitigation Measures in the European Agro-Forestry Sector: A Literature Survey", *Environmental Science and Policy*, 10, 474-490.
- Bosello, F., Roson, R. and R.S.J. Tol (2007), "Economy-Wide Estimates of the Implications of Climate Change: Sea-Level Rise", *Environmental and Resource Economics* (3) 37 549-571.
- Bosello, F., Roson, R. and R.S.J. Tol (2006), "Economy wide estimates of the implications of climate change: human health" *Ecological Economics*, 58, 579-591
- Bosello, F., and Z. Jian, (2006) "Determinare gli impatti del cambiamento climatico. Il caso dell'agricoltura", *Questione Agraria*, 1-2006, 97-124
- Bosello, F., Buchner, B. and C. Carraro (2003), "Equity, Development and Climate Change Control", *Journal of the European Economic Association*, 1(11): 601-611.
- Bosello, F. and R. Roson (2002), "Carbon Emissions Trading and Equity in International Agreements", *Environmental Modelling and Assessment*, 7(1): 29-37.
- Bosello, F., Carraro C. and M. Galeotti (2001), "The Double Dividend Issue: Modeling Strategies and Empirical Findings" *Environment and Development Economics* 6: 9-45.
- Bosello, F. and C. Carraro (2001), "Recycling Energy Taxes: Impacts on a Disaggregated Labour Market", *Energy Economics*, 23(5): 569-594.
- Mercogliano, P., Barbato, G., Padulano, R., Ellena, M, Bosello, F., Lanzi, E., Forzieri, G. (2022), "Gli impatti dei cambiamenti climatici in Italia", in Carlo Carraro (a cura di) "Cambiamenti climatici, infrastrutture e mobilità", Il Mulino
- Bosello F., and R. Parrado (2021), "Climate change impacts and market driven adaptation: The costs of inaction including market rigidities" in Dirk Rübbelke and Anil Markandya (eds.) "Climate and Development", World Scientific Publishing. <https://doi.org/10.1142/12376>
- Essenfelder, Arthur ; Trabucco, Antonio ; Scoccimarro, Enrico ; **Bosello, Francesco** ; Hurk, Bart van den ; Spano, Donatella ; Dongeren, Ap van ; Torresan, Silvia ; Aerts, Jeroen ; Mercogliano, Paola ; Jeuken, Ad ; Bigano, Andrea ; McCall, Robert ; Mereu, Valentina ; Bacciu, Valentina ; Torres, Luisa ; Mysiak, Jaroslav ; Rhian Ebrey, Marleen de Ruiter (2021), "Study on adaptation modelling Recommended approach to analysis and modelling", Publications Office of the EU, DOI: 10.2834/419557, ISBN: 978-92-76-30712-9
- Bosello, F.**, Iglesias, A., Termansen, M., Jeuken, A., Winsemius, H., De Cian, E., Chiabai A. 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
- 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
- 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 M. Shechter (2013), "Integrated Socio-Economic Assessment (The Economic Point of View)", in A. Navarra and L. Tubiana (eds.), *Regional Assessment of Climate Change in the Mediterranean: Volume 2: Agriculture, Forests and Ecosystem Services and People*, Advances in Global Change Research Springer, Dordrecht
- Agrawala, S., **Bosello, F.**, Carraro, C., de Bruin, K., De Cian E., Dellink, R and E. Lanzi (2010), "Plan or react?: Analysis of Adaptation Costs and Benefits Using Integrated Assessment Models", OECD Environment Working Papers, No 23, OECD Publishing

Bosello, F., Carraro, C. and de Cian E. (2009), "An Analysis of Adaptation as a Response to Climate Change", in B. Lomborg (ed.) "Smart Solutions to Climate Change", Cambridge University Press, Cambridge UK

Ronneberger, K., Berrittella, M., **Bosello, F.** and R.S.J. Tol (2009), "[KLUM@GTAP: spatially explicit biophysical land use in a general equilibrium model](#)", in T.W. Hertel, S.K. rose and R.S.J. Tol (eds) Economic Analysis of Land Use in Global Climate Change Policy, Routledge Publishers, NY, USA .

Bosello F and L. Marazzi, (2008), "Le Alpi italiane e il cambiamento climatico: elementi di vulnerabilità ambientale ed economica e possibili strategie di adattamento", in Cambiamenti climatici e strategie di adattamento in Italia, Carlo Carraro (ed.) , il Mulino, Bologna.

Bosello, F., Buchner, B., Catenacci, M., Gorla, A., Kuik, O., Karakaya, E. and P. Watkiss (2007), "Climate change: the cost of inaction and the cost of adaptation", *European Environment Agency Technical Report*, 13.2007

Bosello, F. and A. Lanza (2004), "Modeling Energy Supply and Demand: A Comparison of Approaches", *Encyclopedia of Energy*, Vol. 4

Bosello, F., Buchner, B. Carraro, C. and D. Raggi (2004), "Can Equity Enhance Efficiency? Some Lessons from Climate Negotiations" in C. Carraro and V. Frangelli (eds.) Game Practice and The Environment, Edward Elgar Publishers, Cheltenham, UK.

Bosello, F. and R. Roson (2000), "Distributional Consequences of Alternative Emissions Trading Schemes", in C. Carraro (ed.) Efficiency and Equity of Climate Change Policy, Kluwer Academic Publishers, Dordrecht, The Netherlands.

• Working papers

Bosello, F. Parrado, R. and R. Rosa (2010), "The Economic and Environmental Effects of a EU Ban on Illegal Logging Imports. Insights from a CGE Assessment" FEEM Note di Lavoro No 2010.067

Bosello, F., Carraro, C. and E. De Cian (2010), "Climate policy and the optimal balance between mitigation adaptation and unavoided damage", FEEM Note di Lavoro 2010.032

Bosello, F. (2010), "Adaptation, mitigation and "green" R&D to combat global climate change. Insight from an empirical integrated assessment exercise", FEEM Note di Lavoro 2010.022

Bosello, F. and C. Chen (2010), "Adapting and Mitigating to Climate Change: Balancing the Choice under Uncertainty", FEEM Note di Lavoro 2010.159

Bosello, F., R. Parrado and R. Rosa (2010), "REDD in the Carbon Market: A General Equilibrium Analysis", FEEM Note di Lavoro 2010.142

Bosello, F., R. Roson and R.S.J. Tol. (2005), " Economy wide estimates of the implications of climate change: human health ", FEEM Note di Lavoro 97.2005.

Bosello, F. and J. Zhang . (2005), " Assessing climate change impacts: Agriculture ", FEEM Note di Lavoro 94.2005.

Bosello, F., M. Lazzarin, R. Roson and R.S.J. Tol. (2004), " Economy wide estimates of the implications of climate change: sea-level rise ", FEEM Note di Lavoro 96.2004

Bosello, F., B. Buchner, C. Carraro and D. Raggi. (2001), "Can Equity Enhance Efficiency? Lessons from the Kyoto Protocol", FEEM Note di Lavoro 49.2001.

Bosello, F., and M. Moretto (1999), " Dynamic Uncertainty and Global Warming Risk" FEEM Note di Lavoro 80.99.

Other teaching experiences

Dates **2008, 2009, 2010**

Occupation or position held 15 hours course on "Economic modeling for climate change impact assessment", part of the PhD: "Science and Management of Climate Change"

Name and address of employer University of Venice Ca' Foscari, Dipartimento di Economia, S. Giobbe, 873, Venice, Italy

Dates **2006 first term academic year**

Occupation or position held Lecturer in International Macroeconomics (Head of course prof. Roberto Roson)

Name and address of employer	University of Venice Ca' Foscari, , Dipartimento di Economia, S. Giobbe, 873, Venice, Italy
Dates	2005 first term academic year
Occupation or position held	Lecturer in International Macroeconomics (Head of course prof. Roberto Roson)
Name and address of employer	University of Venice Ca' Foscari, , Dipartimento di Economia, S. Giobbe, 873, Venice, Italy
Dates	2000 first term academic year
Occupation or position held	Lecturer in Microeconomics (Head of Course prof. Roberto Roson)
Name and address of employer	University of Venice Ca' Foscari, , Dipartimento di Economia, S. Giobbe, 873, Venice, Italy
Dates	1999 second term of the academic year
Occupation or position held	Lecturer in Microeconomics (Head of Course prof. Carlo Carraro)
Name and address of employer	University of Venice Ca' Foscari, , Dipartimento di Economia, S. Giobbe, 873, Venice, Italy

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