

## PERSONAL INFORMATION

Gabriele Standardi

 [gabriele.standardi@unimi.it](mailto:gabriele.standardi@unimi.it) [gabriele.standardi@cmcc.it](mailto:gabriele.standardi@cmcc.it)ORCID iD: <https://orcid.org/0000-0002-4989-2201>WORK EXPERIENCE

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November 2023 to present **Researcher**

University of Milan  
Department of Environmental Science and Policy  
Via Celoria 2 - 20133 Milan – Italy

January 2024 to present Consultant for the Euro-Mediterranean Center on Climate Change (CMCC) Foundation and affiliated scientist at the RFF-CMCC European Institute on Economics and the Environment (EIEE)

**Scientist**

January 2012 to November 2023 Euro-Mediterranean Center on Climate Change (CMCC)  
RFF-CMCC European Institute on Economics and the Environment (EIEE)  
Via della libertà 12 - 30175, Venice - Italy

January 2011 to December 2011 **Post-Doc Researcher**

CNRS – Centre Nationale de la Recherche Scientifique  
Rue de Canonniers 2, 59046 Lille – France

February 2008 to June 2008 **Intern – Research Assistant**

CEPII – Centre d'Etudes Prospectives et d'Informations Internationales  
Rue de Grenelle 113, 75007 Paris – France

EDUCATION AND TRAINING

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January 2006 to May 2010 **PhD in Economics and Finance**

University of Verona – Via dell'Artigliere 8, 37129 Verona - Italy

October 2006 to October 2008 **Master of Science in International Economics**

University of Cergy-Pontoise – 33 Boulevard du Port, 95011 Cergy-Pontoise - France

October 1998 to November 2004 **Master Degree in Political Science**

University of Perugia – Piazza Università 1, 06123 Perugia – Italy

PERSONAL SKILLS

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Mother tongue Italian

Other language(s)	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	C1	C1	C1	C1	C1
French	C1	C1	C1	C1	C1
Spanish	A1	A1	A1	A1	A1

Levels: A1/2: Basic user - B1/2: Independent user - C1/2 Proficient user

▪ Common European Framework of Reference for Languages

Computer skills Gams, Gempack, R, Stata, Office

## ADDITIONAL INFORMATION

- Projects**
- 2024-ongoing, ACCREU (Horizon Europe): Assessing Climate Change Risk in EUROpe
- 2021-ongoing, Atlanteco (H2020 programme): Atlantic ECOSystems assessment, forecasting & sustainability
- 2021-ongoing, Talanoa Water (H2020 programme): Talanoa Water Dialogue for Transformational Adaptation to Water Scarcity Under Climate Change
- 2021-2023, FutureMARES (H2020 programme): Climate Change and Future Marine Ecosystem Services and Biodiversity
- 2017-2022, Coacch (H2020 programme): Co-designing the Assessment of Climate Change costs
- 2019, PNIEC macro-economic assessment (National project): CGE analysis to assess macro-economic consequences of energy policies for the Ministry of the Energy and Environment
- 2012-2016, Gemina (CMCC Strategic Project): detailing the spatial resolution of a global CGE model for the European Union
- 2014, Economic Assessment for the Finnish Environment Institute (Commissioned Project): indirect economic impacts of climate change on the Finnish economic system using the CGE approach
- 2014, Marine Strategy (National Project): preparatory phase on the Marine Strategy Framework Directive developed by ISPRA and University of Cà Foscari
- Publications in peer reviewed journals**
- Bardazzi E, Standardi G., Bosello F., Key R. (2024). Toward the full implementation of the water-energy-food nexus in computable general equilibrium modelling: methods and macroeconomic implications, *Economic Systems Research*, 1–29, <https://doi.org/10.1080/09535314.2024.234988>
- Nicita L., Bosello F., Standardi G., Mendelsohn R. (2024). An integrated assessment of the impact of agrobiodiversity on the economy of the Euro-Mediterranean region, *Ecological Economics*, 218, 108–125, <https://doi.org/10.1016/j.ecolecon.2024.108125>
- Standardi G, Dasgupta S., Parrado R., De Cian E., Bosello F. (2023). Assessing Macro-economic Effects of Climate Impacts on Energy Demand in EU Sub-national Regions, *Environmental and Resource Economics*, 86, 173–201, <https://doi.org/10.1007/s10640-023-00792-4>
- Standardi, G. Exploring market-driven adaptation to climate change in a general equilibrium global trade model. (2023). *Mitigation and Adaptation Strategies for Global Change*, 28, 11, <https://doi.org/10.1007/s11027-023-10049-6>
- van der Wijst K.I., Bosello F., Dasgupta S., Parrado R., Standardi G., et al. (2023). New damage curves and multimodel analysis suggest lower optimal temperature. *Nature Climate Change*, 13, 434–441, <https://doi.org/10.1038/s41558-023-01636-1>

Rizzati M., Standardi G., Guastella G., Parrado R., Bosello F. and Pareglio S. (2022). The local costs of global climate change: spatial GDP downscaling under different climate scenarios, *Spatial Economic Analysis*, DOI: 10.1080/17421772.2022.2096917

Pérez-Blanco C.D., Parrado R., Essenfelder A.H., Bodoque J., Gil-García L., Gutiérrez-Martín C., Ladera J., Standardi G. (2022). Assessing farmers' adaptation responses to water conservation policies through modular recursive hydro-micro-macro-economic modeling, *Journal of Cleaner Production*, Vol. 360, 132208

García-León D., Casanueva A., Standardi G., Burgstall A., Flouris A.D., Nybo L. (2021). Current and projected regional economic impacts of heatwaves in Europe, *Nature Communications*, f12:5807

García León D., Standardi G., Staccione A. (2020). An integrated approach for the estimation of agricultural drought costs, *Land Use Policy*, Vol 100, 104923

Pérez-Blanco C.D., Standardi G. (2019). Farm waters run deep: a coupled positive multi-attribute utility programming and computable general equilibrium model to assess the economy-wide impacts of water buyback, *Agricultural Water Management*, 213, pp 336-351

Parrado R., Pérez-Blanco C.D., Gutiérrez-Martín C., Standardi G. (2019). Micro-macro feedback links of agricultural water management: insights from a coupled iterative Positive Multi-Attribute Utility Programming and Computable General Equilibrium model in a Mediterranean basin, *Journal of Hydrology*, vol. 569, pp 291-309

Panagos P., Standardi G., Borrelli P., Lugato E., Montanarella L. and 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 & Development*, vol. 29(3), pp.471-484

Standardi G., Cai Y. and Yeh S. (2017). Sensitivity of Modeling Results to Technological and Regional Details: The Case of Italy's Carbon Mitigation Policy, *Energy Economics*, vol. 63, pp 116-128

Koks E. E., Carrera L., Jonkeren O., Aerts J.C.J.H., Husby T.G., Thissen M., Standardi G. and Mysiak J. (2016). Regional disaster impact analysis: comparing Input-Output and Computable General Equilibrium models, *Natural Hazards and Earth System Sciences*, vol. 16, pp. 1911-1924

Pérez-Blanco C.D., Standardi G., Mysiak J., Parrado R. Gutiérrez-Martín C. (2016). Incremental water charging in agriculture. A case study of the Region Emilia Romagna in Italy, *Environmental Modelling & Software*, vol. 78, pp 202-215

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

Perali F., Pieroni L. and Standardi G. (2012). World Tariff Liberalization in Agriculture: an Assessment Using a Global CGE Trade Model for EU15 Regions, *Journal of Policy Modeling*, vol. 34(2), pp. 155-180

#### Chapters in books

Forzieri G., Bosello F., Dasgupta S., Parrado R., Standardi G., et al. (2022). Impatti dei cambiamenti climatici sulle infrastrutture, in C. Carraro (eds.), *Cambiamenti climatici, infrastrutture e mobilità*, il Mulino

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

#### Teaching activities

Course “CGE and Integrated Assessment Modelling of CC Impacts and Policies” PhD in Science and Management of Climate Change at Cà Foscari University of Venice from a.y 2020/21 to a.y. 2024/25

Course “Sustainable Development” at the Department of Environmental Science and Policy, University of Milan, Master in Environmental and Food Economics, a.y 2023/24 and a.y. 2024/25

Abilitazione Scientifica Nazionale (ASN)	National Scientific Qualification for the Italian University in “Economia Politica” and “Politica Economica” (February 2025)
Referee Activity	Nature Communications; Environmental and Resource Economics; Ecological Economics; Land Use Policy; Regional Environmental Change; Mitigation and Adaptation Strategies for Global Change; Environmental Modeling & Assessment; Economic System Research
Memberships	Centre for Applied Macroeconomic Analysis (CAMA), Australian National University; European Association of Environmental and Resource Economists (EAERE); Italian Association of Environmental and Resource Economists (IAERE); Società Italiana per le Scienze del Clima (SISC); Global Trade Analysis Project (GTAP)
Conferences	<p>Assessing macro-economic effects of climate impacts on labour productivity in EU sub-national regions. Presented in: 26th Annual Conference on Global Economic Analysis, Bordeaux, France, 14-16 June 2023</p> <p>Assessing macro-economic effects of climate impacts on energy demand in EU sub-national regions. Presented in: 27th Annual Conference of the European Association of Environmental and Resource Economists (EAERE), Rimini, Italy, 28 June - 1 July 2022</p> <p>A CGE model framework for the combined assessment of future migration patterns and economic effects under climate change scenarios. Presented in: IIASA Scenario Forum 2022, Laxenburg, Austria, 20-22 June 2022</p> <p>Assessing macro-economic effects of climate impacts on energy demand in EU sub-national regions. Presented in: 10th Annual Conference of the Italian Association of the Environmental and Resource Economists, online, 21-23 April 2022</p> <p>Assessing macro-economic effects of climate impacts on energy demand in EU sub-national regions. Presented in: 24th Annual Conference on Global Economic Analysis, online, 23-25 June 2021</p> <p>Welfare implications of increasing spatial resolution in national CGE models for climate change impact assessment. Presented in: 23th Annual Conference on Global Economic Analysis, online, 17-19 June 2020</p> <p>Welfare implications of increasing spatial resolution in national CGE models for climate change impact assessment. Presented in: 8th Annual Conference of the Italian Association of the Environmental and Resource Economists, Brescia, 7 February 2020</p> <p>Exploring market adaptation to climate change in a general equilibrium global trade model. Presented in: 24th Annual Conference of the European Association of Environmental and Resource Economists (EAERE), Manchester, UK, 26-29 June 2019</p> <p>Testing a methodology to split a national database and compute intra-national trade flows: an application for the Russian regions. Presented in: 22th Annual Conference on Global Economic Analysis, Warsaw, 19-21 June 2019</p> <p>The role of spatial and technological details for energy/carbon mitigation impacts assessment in Computable General Equilibrium models. Presented in: 37th International Energy Workshop (IEW), Gothenburg, Sweden, 19-21 June 2018</p> <p>A Coupled Positive Multi-Attribute Utility Programming and Computable General Equilibrium Model to Assess the Micro-macro Feedback Links of Agricultural Water Management. Presented in: 6th Annual Conference of the Italian Association of the Environmental and Resource Economists, Turin, Italy, 15-16 February 2018</p> <p>Economy-wide repercussions of agricultural water buyback. Presented in: Società Italiana per le Scienze del Clima (SISC) - Fifth Annual Conference -, Bologna, Italy, 26-27 October 2017</p> <p>Economy-wide repercussions of agricultural water buyback. Presented in: 23rd Annual Conference of the European Association of Environmental and Resource Economists (EAERE), Athens, Greece, 28 June - 1 July 2017</p> <p>Endogenous technical change linked to international mobility of primary factors in climate change scenarios: global welfare implications using the GTAP model. Presented in: 20th Annual Conference</p>

on Global Economic Analysis, West Lafayette, USA, 7-9 June 2017

Economy-wide repercussions of agricultural water buyback. Presented in: 5th Annual Conference of the Italian Association of the Environmental and Resource Economists, Rome, Italy, 16-17 February 2017

Sensitivity of Modeling Results to Technological and Regional Details: The Case of Italy's Carbon Mitigation Policy. Presented in: Ecomod2016, Lisbon, Portugal, 6-8 July 2016

Sensitivity of Modeling Results to Technological and Regional Details: The Case of Italy's Carbon Mitigation Policy. Presented in: 22nd Annual Conference of the European Association of Environmental and Resource Economists (EAERE), Zurich, Switzerland, 22-25 June 2016

Sensitivity of Modeling Results to Technological and Regional Details: The Case of Italy's Carbon Mitigation Policy. Presented in: 35th International Energy Workshop (IEW), Cork, Ireland, 1-3 June 2016

Sensitivity of Mitigation costs to regional and technological detail: the case of the Italian electricity sector. Presented in: 4th Annual Conference of the Italian Association of the Environmental and Resource Economists, Bologna, Italy, 11-12 February 2016

Sensitivity of Mitigation costs to regional and technological detail: the case of the Italian electricity sector. Presented in: Florence School of Regulation, Climate Annual Conference, Florence, Italy, 22-23 October 2015

Incremental water charging in agriculture. A case study of the Region Emilia Romagna in Italy. Presented in: FAO Science Symposium on Climate, Rome, Italy, 19-20 November 2015

Economics of flood risk in Italy under current and future climate. Presented in: Our Common Future Conference, Paris, France, 7-10 July 2015

Assessing the economic general equilibrium effects of sea level rise in the Italian regions. Presented in: European Climate Change Adaptation Conference, Copenhagen, Denmark, 12-14 May 2015

International Migration and Climate Change Economic Impact: a CGE Assessment for SLR. Presented in: 3rd Annual Conference of the Italian Association of the Environmental and Resource Economists, Padua, Italy, 20-21 February 2015

Assessing the economic general equilibrium effects of sea level rise in the Italian regions. Presented in: Società Italiana per le Scienze del Clima (SISC) - Second Annual Conference - Climate Change: scenarios, impacts and policy, Venice, Italy, 29-30 September 2014

Endogenous determination of migration flows between Africa and European Union by interlinking demographic dynamics and labour market liberalization in a modified version of the GTAP model. Presented in: 17th Annual Conference on Global Economic Analysis, Dakar, Senegal, 18-20 June 2014

Assessing the economic general equilibrium effects of sea level rise in the Italian regions. Presented in: 2nd Annual Conference of the Italian Association of the Environmental and Resource Economists, Milan, Italy, 13-14 February 2014

Assessing direct and indirect economic impacts of a flood event through the integration of spatial and computable general equilibrium modelling. Presented in: Second Convention of CMCC and FEEM Research Divisions on Climate Change and Sustainable Development, Venice, Italy, 21-23 October 2013

A Sub-national Version of the GTAP Model for Italy. Presented in: 16th Annual Conference on Global Economic Analysis, Shanghai, China, 12-14 June 2013

A sub-national version of the ICES model for the Italian macro-regions. Presented in: 1st Convention of CMCC and FEEM Research Divisions on Climate Change and Sustainable Development held in Venice, Italy, 22-24 October 2012

A Global CGE Model at the NUTS 1 level for Trade Policy Evaluation. Presented in: Doctoral Meeting in International Trade and International Finance, Kiel, Germany, 27-28 May 2010, Research in International Economics and Finance network (RIEF)

Milano 10/07/2025    Gabriele Standardi