

## Curriculum Vitae



### Contact information

#### Elena Vallino

Contact Dipartimento di Culture, Politica e Società  
Università degli Studi di Torino  
Campus Luigi Einaudi, Lungo Dora Siena 100, 10153 Torino, Italy

E-mail elena.vallino@unito.it

Nationality Italian

Date and place of birth 13/02/1982, Torino, Italy.

### Research interests

Economics of developing countries. Environmental economics. Community-based natural resources and protected area management. Institutional economics. International aid. Complex systems and agent based models. Transport economics. Water-food nexus. Food security.

### Education

01/2008 – 05/2011 PhD in Economics, curriculum in Complex Systems, Department of Economics “S. Cognegni de Martiis”, Università degli Studi di Torino, Italy.

04/2006 – 10/2007 Master in International and Development Economics (MIDE), Fachhochschule für Technik und Wirtschaft - University of Applied Sciences, Berlin, Germany.

10/2000 – 12/2005 Laurea in International and Diplomatic Sciences, Università degli Studi di Torino, Italy. Final grade: 110/110 cum laude.

### Abilitazione Scientifica Nazionale

13 / A3 - Scienza delle Finanze 28/05/2021 - 28/05/2030, Seconda fascia  
13 / A4 - Economia Applicata 03/06/2021 - 03/06/2030, Seconda fascia  
13 / A2 - Politica Economica 04/06/2021 - 04/06/2030, Seconda fascia

### Academic Work Experience

Since 03/2022 Assistant Professor (Senior) in Economics, Department of Culture, Politics and Society, University of Torino, Italy.

06/2018 – 05/2021 Post-doctoral fellow for the Project “Coping with water scarcity in a globalized world - CWASI”, ERC Consolidator Grant, PI: Prof. Francesco Laio, ERC-2014-CoG, project 647473. Dipartimento di Ingegneria dell'Ambiente, del Territorio e delle Infrastrutture, Politecnico di Torino.  
<https://watertofood.org/>

01/2017 – 07/2017 Senior Researcher at CSIL Centre for Industrial Studies – Evaluation Unit, Milano, Italy.

- 09/2015 – 05/2018 Post-doctoral fellow for the Project “Turin Centre on Emerging Economies”, Collegio Carlo Alberto and Dipartimento di Economia e Statistica Cognetti de Martiis, Università degli Studi di Torino, Italy. <http://www.osservatorio-economie-emergenti-torino.it/>
- 09/2015 – 06/2018 Participation to the project “New cooperative business models and guidance for sustainable city logistics (NOVELOG)”, WP 3 and WP 6 (unit of Venice International University). European Union-Horizon 2020-Mobility for growth 2014/2017, grant No 636626.
- 05/2014 – 05/2015 Post-doctoral fellow for the project “Urban mobility management for a sustainable city. Policies and impacts.” Dipartimento di Economia, Università dell’Insubria, Varese, Italy.
- 09/2013 – 02/2014 Research fellow for the project “Estimation of the economic value of the alpine ibex and chamois and of the economic relevance of conservation”. Dipartimento di Economia e Statistica “Cognetti de Martiis”, Università degli Studi di Torino, in collaboration with Parco Nazionale Gran Paradiso (Project European Union-Interreg-GREAT Grandi Erbivori negli Ecosistemi Alpini in Trasformazione).
- 01/2011 – 01/2013 Post-doctoral fellow for the project “Health policies in Piedmont Region”. Dipartimento di Scienze Giuridiche ed Economiche “A. Galante Garrone”, Università del Piemonte Orientale, Alessandria, Italy.
- 01/2011 – 07/2013 Research assistant for the project “Green economy scenarios in the Mediterranean region”, Collegio Carlo Alberto, Moncalieri, Torino, Italy.

#### Periods abroad

- 10/2016 Visiting Scholar at the Centre for Social Sciences, Hungarian Academy of Sciences, Budapest, Hungary (Prof. Károly Takács). Short Term Scientific Mission for the EU funded COST Action “New frontiers of peer-review (PEERE)”.
- 04/2010 Visiting Scholar at the Center for the Study of Institutional Diversity, Arizona State University, USA (Prof. Marco Janssen, Center founded by the Nobel Prize Elinor Ostrom).
- 10/2009 – 02/2010 Visiting Scholar at Centre for Research in Economic Development (CRED), University of Namur, Belgium (Prof. J.-P. Platteau and Prof. G. Aldashev).
- 10/2002 – 08/2003 ERASMUS Project at Universität Hamburg, Germany.

## Publications

- Journal Articles**
- Saccone D. and Vallino E., 2022. *Synergies between food security and other SDGs: a sustainable development perspective*. World Development, 152, 105815.  
DOI: <https://doi.org/10.1016/j.worlddev.2022.105815>  
CLASS A – ANVUR List
- Vallino E., Ridolfi L., Laio F., 2021. *Trade of economically and physically scarce virtual water in the global food network*. Scientific Reports, 11, 22806.  
DOI: <https://doi.org/10.1038/s41598-021-01514-w>  
CLASS A – ANVUR List  
Featured in Greenreport.it, 23/08/2021.
- Lanzano C., Navarra C. and Vallino E., 2021. *Interdisciplinarity and the future of development studies after the 2019 Nobel Prize in economics*, Anthropologie & Développement. ISSN 2553-1719. Online: DOI <https://doi.org/10.4000/anthropodev.1322>. Print: ISBN 978-2-39061-176-9.
- Della Posta P., Oliveri F., Saccone D., Vallino E., 2021. *Migrations, populism and the crisis of globalization: an introduction*. Scienza e Pace, XII (1), pp. ixiv. ISSN 2039-1749.
- Candelise C., Saccone D., Vallino E., 2021, *An empirical assessment of the effects of electricity access on food security*. World Development, 141: 105390.  
DOI: <https://doi.org/10.1016/j.worlddev.2021.105390>  
CLASS A – ANVUR List

Maggi E. and Vallino E., 2021, *Price-based and motivation-based policies for sustainable urban commuting: an agent-based model*. Research in Transportation Business & Management, 39, 100588.  
DOI: <https://doi.org/10.1016/j.rtbm.2020.100588>  
CLASS A – ANVUR List

Vallino E., Ridolfi L., Laio F., 2020, *Measuring economic water scarcity in agriculture: a cross-country empirical investigation*. Environmental Science & Policy, 114: 73-85.  
DOI: <https://doi.org/10.1016/j.envsci.2020.07.017>  
CLASS A – ANVUR List  
Featured in Science for Environment Policy News Service, n. 562 (European Commission – DG Environment).

Falsetti B. Vallino E., Ridolfi L. Laio F., 2020, *Is water consumption embedded in crop prices? A global data-driven analysis*. Environmental Research Letters, 15: 104016.  
DOI: <https://doi.org/10.1088/1748-9326/aba782>  
CLASS A – ANVUR List

Aldashev G. and Vallino E., 2019, *The dilemma of NGOs and participatory conservation*. World Development 123: 104615.  
DOI: [10.1016/j.worlddev.2019.104615](https://doi.org/10.1016/j.worlddev.2019.104615).  
CLASS A – ANVUR List

Florio M., Vallino E., Vignetti S., 2017, *How to design effective strategies to support SMEs innovation and growth during the economic crisis. Lessons from ex-post evaluation of 2007-2013 ERDF Programmes*. European Structural and Investment Funds Journal, 5(2): 99-110.

Frontuto V., Dalmazzone S., Vallino E., Giaccaria S., 2017, *Earmarking conservation: further inquiry on scope effects in stated preference methods applied to nature-based tourism*. Tourism Management 60:130-139.  
DOI: <https://doi.org/10.1016/j.tourman.2016.11.017>  
CLASS A – ANVUR List

Maggi E. and Vallino E., 2016, *Understanding urban mobility and the impact of public policies: the role of the agent-based models*. Research in Transportation Economics 55: 50-59.  
DOI: <https://doi.org/10.1016/j.retrec.2016.04.010>  
CLASS A – ANVUR List

Navarra C. and Vallino E., 2015, *Who had the idea to build up a village organization? Some evidence from Senegal and Burkina Faso*. Annals of Public and Cooperative Economics, 86(1): 33-72.  
DOI: <https://doi.org/10.1111/apce.12066>

Vallino E., 2013, *The tragedy of the park: an agent-based model of endogenous and exogenous institutions for forest management*. Ecology and Society, 19 (1): 35. [online] URL: <http://www.ecologyandsociety.org/vol19/iss1/art35/>.  
DOI: <http://dx.doi.org/10.5751/ES-06242-190135>

Bravo G., Vallino E., Cerutti K. A., Pairotti M. B., 2013, *Alternative scenarios of green consumption in Italy: an empirically grounded model*. Environmental Modelling & Software, 47: 225-234.  
DOI: <https://doi.org/10.1016/j.envsoft.2013.05.015>

Vallino E., 2009, *Community based management of a protected area: the case of GEPRENAF in Burkina Faso*, International Journal of Social Forestry, 2(1): 24-42. ISSN 1979-2611

Vallino E., 2006, *I Patrimoni di Comunità: cosa sono e come valorizzarli? (Community Management of Natural Resources: what it is and how to improve it?)*, Ambiente Società Territorio, n. 03/04, Roma.

### **Book chapters**

Tamea S., Antonelli M., Vallino E., 2021, *The Italian Virtual Water Trade and Water Footprint of Agricultural Production: Trends and Perspectives*. Chapter 10 in Turrini P., Massarutto A., Pertile M., de Carli A. (eds) *Water Policy, Law and Economics in Italy: Between National Autonomy and EU Law Constraints*. ISBN: 978-3-030-69074-8. DOI: 10.1007/978-3-030-69075-5. Series "Global Issues in Water Policy", Springer. Series ISSN: 2211-0631.

Vallino E., Navarra C., Lanzano C., 2020, *From informal to formal and back. Theoretical reflections on the formal-informal divide in the Base of the Pyramids markets*. Chapter 9 in Muthuri J., Arnold M.G., Gold S., Rueda Fajardo X. (eds) *Base of the Pyramid Markets in Africa: innovation and challenges to sustainability*, Routledge Abingdon, Oxfordshire. Hardback ISBN 9781138389113. Paperback ISBN 9780367509576.

Sciullo A., Vallino E., Iori M., Fontana M., 2019, *Paths and processes in complex electricity markets: the agent based perspective*. Chapter 36 in Uğur Soyaş and Ramazan Sarı (eds), *Handbook of Energy Economics*, Routledge, Abingdon, Oxfordshire. ISBN 9781138208254.

Vallino E., Maggi E., Beretta E., 2019, *An Agent-Based Simulation of Retailers' Ecological Behavior in Central Urban Areas. The Case Study of Turin*. In: Nathanail E., Karakikes I. (eds) *Data Analytics: Paving the Way to Sustainable Urban Mobility. CSUM 2018. Advances in Intelligent Systems and Computing, vol 879*. Springer, Cham. ISBN 978-3-030-02304-1.

Sirtori E., Vallino E., Vignetti S., 2017, *Testing intervention theory using Bayesian Network Analysis: evidence from a pilot exercise on SMEs support*. In Pokorski J., Popis Z., Wyszynska T. and Hermann-Pawlowska K. (eds.), *Theory-based evaluation in complex environments*, Polish Agency for Enterprise Development, Warsaw. ISBN 978-83-7633-334-2.

Ambrosino A., Maggi E., Vallino E., 2017, *Economics of complexity and the analysis of local regulation: the case of urban mobility*. In Asquer A., Becchis F. and Russolillo D. (eds), *The political economy of local regulation*, Studies in the Political Economy of Public Policy Series, edited by Carroll T., Ramesh M., Darryl S. L. J., and Cammack P., Palgrave Macmillan UK. DOI 10.1057/978-1-137-58828-9\_8.

Vailati A. e Vallino E., 2009, *Il dilemma dell'innovazione*. In Navarra C., Inguaggiato C., Vailati A., *Il ruolo delle associazioni produttive agricole nei processi di sviluppo: il caso di Morrumbala, Mozambico*, L'Harmattan Italia, Torino.

### **Works under review**

(with M. Marson and D. Saccone) *Trade openness, cereal trade and food security*. R&R Review of World Economics.

(with M. Marson and D. Saccone) *Trade openness and obesity prevalence in developing countries*. Under submission.

### **Editorial activities**

D. Saccone and E. Vallino, World Development, ISSN: 0305-750X. Guest Editors of the Special Issue *Food Security in the Age of Sustainable Development: Exploring the Synergies between the SDGs*, and authors of the *Introductory Essay*. (<https://www.sciencedirect.com/journal/world-development/special-issue/10XH4R4XPBN>)

P. Della Posta, F. Oliveri, D. Saccone, E. Vallino, *Scienza e Pace*, Vol. 12, n. 1 (2021). ISSN 2039-1749. Guest Editors of the Special Issue *Migration, populism and the crisis of globalization*. (<https://scienzaepace.unipi.it/index.php/it/>)

### **Working papers**

Vallino E., Ridolfi L., Laio F., 2021, *Trade of Economically and Physically Scarce Virtual Water*, 23 June 2021, PREPRINT (Version 1), Research Square [<https://doi.org/10.21203/rs.3.rs-646879/v1>].

Bertacchini E., Grazzini J. and Vallino E., 2013, *Emergence and evolution of property rights. An agent based perspective*. Working Paper Series, Department of Economics and Statistics, ISSN: 2039-4004. No 40/2013, Torino. Revise and resubmit by Mind & Society.

Vallino E., 2013, *Why droughts started to turn into famines in the Late Victorian periods? A complex system approach*. Working Paper Series, Department of Economics and Statistics, ISSN: 2039-4004. No 17/2013, Torino. Revise and resubmit by Food Security.

Bravo G., Vallino E., Cerutti K. A., Pairotti M. B., 2012, *Alternative scenarios of green consumption in Italy: an empirically grounded model*, Carlo Alberto Notebooks, n. 256, June 2012.

**Book reviews** Vallino E. 2021, Book review of *Capitalismo contro capitalismo* (Branko Milanovic, 2020, Laterza, Bari) L'Indice dei Libri del Mese, aprile 2021.

Vallino E., 2021, Book review of *Una buona economia per tempi difficili* (Abhijit V. Banerjee - Esther Duflo, 2020, Laterza, Bari), L'Indice dei Libri del Mese, gennaio 2021.

Aldashev G. and Vallino E., 2010, Book review of *Institutions and Sustainability: Political Economy of Agriculture and the Environment – Essays in Honour of Konrad Hagedorn*, (Volker Beckmann and Martina Padmanabhan, eds), European Review of Agricultural Economics, 37(3):419-421.

**Works in progress** (With L. Ridolfi, F. Laio and S. Dalmazzone) *Trade of scarce virtual water in Africa*. Presented at the SEEDS Workshop, May 24-25 2021, University of Ferrara (online) and at SIDEA Conference, September 16-17 2021, University of Bologna.

(With A. Pronti and M. Mazzanti) *Good (or bad) water governance. A macro empirical analysis of the determinants of Integrated Water Resources Management*. To be presented at ESEE 2022 Conference, June 14-17 2022, University of Pisa.

(with D. Malerba et al.) *Footprint methodologies and their role in policy development*.

(with M. Baruffini, O. Valentini and E. Maggi) *An agent-based model on last-mile freight transport in an urban environment*.

(With C. Ibanescu, K. Takács and S. Righi), *Journal competition and the miracle of peer review: an agent based model*.

Presented at the Social Simulation Conference, 13th Annual Conference of the European Social Simulation Association (ESSA), University College Dublin, Ireland (September 25-29, 2017). Presented by S. Righi at the 2nd PEERE International Conference on Peer Review, 11-13 March 2020, University of València, Spain.

(With E. Bertacchini and I. Bertazzi), *Emergence and evolution of property rights: an agent-based model perspective*.

Presented by I. Bertazzi at the Bristol WINIR Symposium on Property Rights, April 4-6 2016, Bristol, UK.

**Refereeing activities** *World Development, Food Security, Environmental Research Letters, The European Journal of Comparative Economics, Ecology and Society, Journal of Artificial Society and Social Simulation, Annals of Public and Cooperative Economics, Water, Water Policy, European Transport, Annals of the Fondazione Luigi Einaudi, Plos One*.

**Other publications** August 2019 – Collaboration to the document “UNITO e l’Africa. Progetti, iniziative, relazioni per una strategia di Ateneo”, edited by Dansero E., De Meneghi D., Fortina R., Pennacini C. Università di Torino, CISAQ, CSA.

Turin Center on Emerging Economies – Newsletter

Vallino E. (edited by), 2018, Newsletter “Sustainable development in China”, N. 09, Turin Center on Emerging Economies.

Vallino E. (edited by), 2017, Newsletter “Ethiopia: challenges of an emerging country”, N. 07, Turin Centre on Emerging Economies.

Vallino E. (edited by), 2016, Newsletter “The One Belt One Road initiative: perspectives and challenges”, N. 05, Turin Centre on Emerging Economies.

Vallino E. (edited by), 2016, Newsletter “The Paris Agreement and the emerging economies”, N. 03, Turin Centre on Emerging Economies.

### NOVELOG Project

Nathanail E., Adamos G., Mitropoulos L., Karakikes I., Maggi E., Vallino E., Beretta E., Anagnostopoulou A., 2017, *Behavioural changes towards Urban Freight Transport policies and measures*. New cooperative business models and guidance for sustainable city logistics (NOVELOG Project), WP6, TASK 6.2, European Commission-Horizon 2020-Mobility for growth.

Nathanail E., Mitropoulos L., Adamos G., Gogas M., Karakikes I., Iwan S., Kiba-Janiak M., Kotowska I., Kijewska K., Jedliński M., Korczak J., Landowski M., Maggi E., Vallino E., Morfoulaki M., and Chrysostomou K., 2016, *Multi-stakeholder multi-criteria decision making tool*. New cooperative business models and guidance for sustainable city logistics (NOVELOG Project), WP3, TASK 3.2, European Commission-Horizon 2020-Mobility for growth.

### Others

De Petrillo E., Falsetti B., Sciarra C., Tuninetti M., 2021, *Water To Food. A data-viz book about the water footprint of food production and trade*. Politecnico di Torino (Contributor).

Dansero E., Bacin G., Bono I., Fortina R., Grasso E., Gusman A., Mattoni M., Montanini M., Mosca M., Semita C., Vallino E. 2019, *UNITO e l’Africa. Progetti, iniziative, relazioni per una strategia di Ateneo*. JUNCO – Journal of UNiversities and international development Cooperation, 1/2019. ISSN: 2531-8772.

Dalmazzone S., Frontuto V., Giaccaria S. and Vallino E., 2014, *A contingent valuation approach for the estimation of the economic value of ibex and other alpine ungulates*. Report for the Project Interreg-GREAT (Grandi erbivori negli ecosistemi alpini in trasformazione), Parco Nazionale Gran Paradiso, Parco Nazionale Svizzero, Unione Europea.

Vallino E., Micconi, A., 2006, *Indagine sulle politiche per la sicurezza alimentare e sulla cooperazione decentrata in Benin, Costa d’Avorio, Capo Verde e Mauritania (Investigation about food security policies and decentralized cooperation in Benin, Ivory Coast, Cap Vert and Mauritania)*, Consorzio ONG Piemontesi, Torino.

## Teaching

- |            |  |
|------------|--|
| 03/2022    | Course “Innovation and the digital economy”, Corso di Laurea Magistrale “Economic Analysis and Policy”, University of Torino (36 hours, English).  |
| 03/2022    | Course “Green Economy and Innovation”, Corso di Laurea Magistrale “Economic Analysis and Policy”, University of Torino (36 hours, English).  |
| 10-12/2021 | Course: “Economics for sustainability”, Corso di Laurea Magistrale “Architettura per il progetto sostenibile”, Politecnico of Torino (30 hours, Italian).  |
| 09-12/2020 | Teaching assistant for the course “Introduction to economic systems”, Corso di Laurea triennale Economia e Statistica per le Organizzazioni, University of Torino (20 hours – Italian).                |
| 09-12/2020 | Course “Introduction to economics: Microeconomics and Macroeconomics”, Corso di Laurea Magistrale “Areas and Global Studies for International Cooperation”, University of Torino (30 hours – English). |

March 2020	Lectures on Water-Food Nexus and Development, Master “Management of Development”, International Labour Organization and Università degli Studi di Torino; Master “Tech4Change”, Politecnico di Torino (English – co-organized with Francesco Laio).
January 2020	Course “Environment and Economics” for Doctoral and Post Doctoral fellows, Dottorato in Ingegneria Civile e Ambientale, Politecnico di Torino (10 hours-English).
Every year since 06/2016	Lectures on Complexity Economics and Agent-based Modelling for the course Transport Decision Making - PhD Program Methods and Models for Economic Decisions, Università dell’Insubria, Varese (6 hours-English).
04/2012 – 04/2019	Assistant coordinator and Tutor for the module “Economic analysis of institutions for development” at the Master Programme “Management of Development”, International Labour Organization and Università degli Studi di Torino (4 weeks-English - co-organized with Jean-Philippe Platteau).
03-04/2017	Course “International Development and Innovation” for Corso di Laurea Magistrale Cooperazione Sviluppo e Innovazione nell’Economia Globale, Università degli Studi di Torino (18 hours - English) (with M. Migheli and G. Balcet).
05/2015	Lectures on Complexity Economics and Agent-based modelling for the course Transport Economics and Innovation –Master Degree in Global Entrepreneurship Economics and Management, Università dell’Insubria, Varese (9 hours-English).
10-11/2014 and 10-11/2015	Course “Introduction to Economics: Microeconomics and Macroeconomics” for Corso di Laurea Magistrale Cooperazione Sviluppo e Innovazione nell’Economia Globale, Università degli Studi di Torino (30 hours-Italian).
2013-2021	Co-supervision of 17 Bachelor and Master students and one PhD student at the University of Torino, Politecnico of Torino, University of Insubria, and at the ITC-ILO.

### Participation to application for EU funded Projects

2015	European Union-Horizon 2020. <i>New cooperative business models and guidance for sustainable city logistics – NOVELOG</i> . PI: E. Nathanail, University of Thessaloniki). Collaboration for WP 3 and WP 6 with Elena Maggi, unit of Venice International University. 2014/2017. Project approved, grant No 636626.
2017	European Union-LIFE. <i>Improving the conservation status of critically endangered orchid communities in selected habitats in Northwestern Italy – LIFEOrchids</i> (PI: M. Girlanda, Dipartimento di Scienze della Vita e Biologia dei Sistemi, University of Torino). With S. Dalmazzone, collaboration for the actions related to the socio-economic impacts of the project. Project approved on 28 <sup>th</sup> February 2018, code LIFE17 NAT/IT/000596.
2019	European Union-Horizon 2020. <i>Deploying above- and belowground biodiversity to sustain African cocoa-based farming systems - DIV4COCOA</i> (PI: R. Balestrini, CNR – Dipartimento di Scienze della Vita e Biologia dei Sistemi, University of Torino). Working Package Leader of WP 6 on Circular Economy. Project approved at the ‘stage 1-evaluation’, code 101000253 — DIV4COCOA.

### Other professional experience

10/2010 – 11/2010	Collaboration with Re.Te (Non-Governmental Organization) for development and environmental education activities in primary schools.
-------------------	---

- 03/2007 – 05/2007 Internship at Deutsche Gesellschaft für Technische Zusammenarbeit – German Technical Development Cooperation (GTZ), Economic Recovery and Microfinance Project (ERMF), Banda Aceh, Indonesia.
- 08/2006 – 09/2006 Collaboration with Consorzio delle ONG Piemontesi (COP), Torino, Italy.
- 11/ 2004 – 12/2005 Collaboration with Provincia di Vercelli, Partnership Programme Piedmont Parks - West-African Parks, Vercelli, Italy.
- 03/2005 – 04/2005 Internship and field research at Association inter - villageoise de Gestion des Ressources Naturelles et de la Faune (AGEREF), Banfora, Burkina Faso.
- Occasionally Translations German-Italian and Italian-German for Italian and German companies and organizations.



## Presentations at conferences and seminars

November 25, 2021, Keynote Speaker for the International Conference on Sustainable Energy-Water-Environment Nexus in Desert Climates 2021 (ICSEWEN21), Session “Food Security and the Energy-Water-Environment Nexus”, Qatar Environment and Energy Research Institute – QEERI, Doha, Qatar (online).

September 16-17, 2021. Conference of the Italian Association of Agrarian Economy (SIDEA), University of Bologna, invited in the IAERE session. Presentation of *Trade of scarce virtual water in Africa* (co-authored with Francesco Laio and Luca Ridolfi).

May 24-25, 2021. SEEDS Workshop “Africa in the sustainability transition”, University of Ferrara. Invited presentation of *Trade of scarce virtual water in Africa* (co-authored with Francesco Laio and Luca Ridolfi).

April 29, 2021. Invited speaker at Seminar Series, Department of Economics, University of Pisa. Presentation of *Trade of economically scarce virtual water in the global food network* (co-authored with F. Laio and L. Ridolfi).

April 21-23, 2021, Annual Conference of the Italian Association of Environmental and Resource Economists (IAERE), University of Brescia, online. Presentation of *Trade of economically scarce virtual water in the global food network* (co-authored with F. Laio and L. Ridolfi).

March 17-19, 2021, Western Economic Association International (WEAI), University of California (USA)- Virtual International Conference. Presentation of *Food Trade, Cereals' Trade and Food Insecurity* (presented by M. Marson, co-authored with D. Saccone and M. Marson).

October 8-9, 2020 - XXI Conference of the Italian Association of Comparative Economic Systems (AISSEC), online, University of Urbino Carlo Bo. Presentation of *Measuring economic water scarcity in agriculture: a cross-countries empirical investigation* (co-authored with L. Ridolfi and F. Laio), and of *Trade openness and food security: a cross-country analysis* (presented by D. Saccone, co-authored with M. Marson and D. Saccone).

August 25-28, 2020. Paper accepted at the XVI Congress of the European Association of Agricultural Economics (EAAE), University of Prague. Paper: *Economic Water Scarcity In Agriculture: A Cross-Country Data Driven Analysis* (co-authored with L. Ridolfi and F. Laio). Conference postponed to July 20-23 2021 due to Covid-19 outbreak.

June 9, 2020 – Invited presentation to the Webinar “The boundaries of agent-based models”. Presentation: *Agent Based Models for the evaluation of policy impact in the context of environmental management*. Department of Economics, University of Insubria.

May 4-8, 2020 - European Geosciences Union General Assembly online. Presentation: *Is water consumption embedded in crop prices? A global data-driven analysis* (presented by B. Falsetti, co-authored with B. Falsetti, L. Ridolfi and F. Laio).

February 6-7, 2020 – 8<sup>th</sup> Annual Conference of the Italian Association of Environmental and Resource Economists (IAERE), University of Brescia, Italy. Presentation of *Measuring economic water scarcity in agriculture: a cross-countries empirical investigation* (co-authored with Ridolfi L. and Laio F.) and of *Is water consumption embedded in crop prices? A global data-driven analysis* (co-authored with B. Falsetti, Ridolfi L. and Laio F.).

October 11-14, 2019 - Sustainability and Development Conference, University of Michigan, USA. Presentation: *Energy access and food security: a comparative perspective* (presented by D. Saccone, co-authored with D. Saccone and C. Candelise).

October 7-9, 2019 – chair at the INET-CEST Conference. Tracking innovation trajectories in the complex economy. Fondazione Agnelli, University of Torino, Politecnico of Torino.

June 13-14, 2019 – 8<sup>th</sup> Conference of the Italian Association of Agricultural and Applied Economics (AIEAA), Pistoia. Presentation: *How do policies and institutions affect the virtual water trade?* (co-authored with F. Laio, L. Ridolfi, M. Tuninetti).

January 21, 2019 – Invited talk at the Workshop “Sustainable Development and Policies”, German Development Institute, Bonn, Germany. Presentation: *Water footprint and virtual water trade: which space for policy recommendations?*

November 9-11, 2018 – Sustainability and Development Conference, University of Michigan – Ann Arbor, MI, USA. Presentation: *NGOs and participatory conservation in developing countries: why are there inefficiencies?* (co-authored with G. Aldashev).

October 25-27, 2018 – Società Italiana degli Economisti, University of Bologna. Presentation: *An agent-based simulation of retailers’ ecological behavior in central urban areas. The case study of Turin.* (presented by E. Maggi, co-authored with E. Maggi and E. Beretta)

October 4-5, 2018 - XX Conference of the Italian Association of Comparative Economic Systems (AISSEC), Collegio Carlo Alberto, Torino, Italy. Presentation: *Virtual water trade: a cross-country empirical investigation with institutional perspective* (co-authored with F. Laio, L. Ridolfi, M. Tuninetti).

June 3-6, 2018 Regional Studies Association Conference, Università della Svizzera Italiana, Lugano, Switzerland). Presentation: *An agent-based simulation of retailers’ ecological behavior in central urban areas. The case study of Turin.* (presented by E. Maggi, co-authored with E. Maggi and E. Beretta).

February 15-16, 2018 – Sixth Annual Conference of the Italian Association of Environmental and Resource Economists (IAERE), University of Torino, Italy. Poster session: *An agent-based simulation of retailers’ ecological behavior in central urban areas. The case study of Turin.* (co-authored with E. Maggi and E. Beretta)

September 25-29, 2017 – Social Simulation Conference, 13th Annual Conference of the European Social Simulation Association (ESSA), University College Dublin, Ireland. Presentation: *Journal competition and the miracle of peer review: an agent based model* (co-authored with K. Takács and S. Righi).

October 18, 2016 – Seminar at the Center for Social Studies, Hungarian Academy of Science, Budapest, Hungary. Presentation: *An application of an agent-based model on urban passenger mobility: the case study of Varese* (co-authored with E. Maggi).

June 30-July 1, 2015 - XVII Conference of the Italian Association of Transport Economics and Logistics (SIET), Bocconi University, Milano, Italy. Presentation: *Understanding the climate change implications of urban mobility and the impact of public policies: the role of the agent-based models* (co-authored with E. Maggi).

June 11-12, 2014 - NGO and Nonprofit Economics Research Network Annual Conference, University of Warwick, UK. Invited presentation: *NGOs and participatory conservation in developing countries: why are there inefficiencies?* (co-authored with G. Aldashev).

December 5, 2013 – Project Workshop “Green Economy Scenarios in the Mediterranean Region”, Collegio Carlo Alberto, Moncalieri (TO), Italy. Presentation: *Alternative scenarios of green consumption in Italy: an empirically grounded model.*(co-authored with Bravo G., Cerutti K. A., Pairotti M. B.).

June 3-7, 2013 – Global Conference of the International Association for the Study of the Commons (IASC), Mt. Fuji, Japan. Presentation: *Who had the idea to become commoners? Some evidence from Senegal and Burkina Faso* (co-authored with C. Navarra).

February 8-9, 2013 – Italian Association of Environmental and Resource Economists (IAERE) Annual Conference, University of Ferrara, Italy. Presentation: *NGOs and participatory conservation in developing countries: why are there inefficiencies?*(co-authored with G. Aldashev).

May 21-25, 2012 – European Summer School in New Institutional Economics (ESNIE), Cargese, France. Presentation: *NGOs and participatory conservation in developing countries: why are there inefficiencies?* (co-authored with G. Aldashev).

July 7-8, 2011 - 4<sup>th</sup> Italian Doctoral Workshop in Economics and Policy Analysis, Collegio Carlo Alberto and University of Torino, Italy. Presentation: *The tragedy of the park: an agent-based model on endogenous and exogenous institutions for the management of a forest.*

April 19, 2010 - Brown Bag Discussion, Center for the Study of Institutional Diversity, Arizona State University, Tempe, USA. Presentation: *The tragedy of the park: an agent-based model on endogenous and exogenous institutions for the management of a forest.*

November 4, 2009 – Invited seminar at Corso di Laurea Specialistica in Economics and Complex Systems, University of Modena and Reggio Emilia (prof. David Lane). Lecture: *Why droughts started to turn into famines in the Late Victorian period? A complex system approach.*

October 27, 2009 - CRED Workshop, University of Namur, Belgium. Presentation: *Exogenous and endogenous institutions for the management of a forest. An agent-based model.*

July 5-8, 2009 - 15th Annual International Sustainable Development Research Conference, Utrecht University, Netherlands. Presentation: *Community-based management of natural resources: the case of AGEREF in Burkina Faso.*

June 23, 2009 - Invited Research Colloquium at Master in International and Development Economics (MIDE), Hochschule für Technik und Wirtschaft, Berlin, Germany. Lecture: *Hirschman's methodology in development economics.*

June 2-4, 2009 - VI Annual Conference of Italian Association for the History of Political Economy (STOREP), University of Florence, Italy. Presentation: *Why droughts started to turn into famines in the Late Victorian period? A complex system approach.*

14-18 /07/2008 - 12th Biennial Conference of the International Association of the Study of the Commons (IASC), University of Gloucestershire, Cheltenham, England. Presentation: *Community-based management of natural resources: the case of AGEREF in Burkina Faso.*

## Organization of Conferences, Workshops and Seminars

2019, 2020, 2021, Scientific co-organization of the AISSEC panel at the Italian Economic Association Annual Conferences (SIE), with D. Saccone.

Forthcoming, June 16-18, 2022, Scientific co-organization of the XXII National AISSEC Conference (Italian Association for the Study of Comparative Economic Systems), with D. Saccone, A. Verashchagina, and D. Sciulli (University of Chieti-Pescara).

October 8-10, 2020, Scientific co-organization of the XXI National AISSEC Conference (Italian Association for the Study of Comparative Economic Systems), online, with D. Saccone and A. Zanfei (University of Urbino Carlo Bo).

30-31 March, 2020 – Scientific co-organization of the Conference “Migration, populism and the crisis of globalization”, with P. Della Posta, D. Saccone, AISSEC, CISP, GLO, University of Pisa, Italy. Postponed due to COVID-19 outbreak.

October 3-4, 2019 – Scientific co-organization of the OEET-AISSEC Workshop “Trade wars and global crises”, with the Turin Center on Emerging Economies, University of Torino, Italy.

October 4-5, 2018 – Scientific Co-organization of the XX National AISSEC Conference (Italian Association for the Study of Comparative Economic Systems), Collegio Carlo Alberto, Torino.

May 2018 – on going – Participation to the elaboration of the strategic plan “University of Torino and Africa”, moderation of workshops and meetings, contribution to the final document.

June 20-22, 2018 - Scientific organization and chair of the panel "Agent-based Models and Network Analysis in Transportation" at the XXth SIET Scientific Meeting (Italian Society of Transport and Logistics Economists), with E. Maggi, DASTU, Politecnico di Milano.

2015-2017 - Scientific co-organization of the Annual Workshops on Emerging Economies, Università di Torino, with the Turin Centre on Emerging Economies.

Since November 2015 – Co-organization of the Seminar Series with the Turin Center on Emerging Economies.

## Scientific Dissemination Activities

August 23, 2021 – *Il commercio di acqua scarsa in un mondo globalizzato*. Greenreport.it

July 2021. *Water consumption and crop prices: an exploratory global data-driven study*. Newsletter n. 19 - Turin Center on Emerging Economies.

May 2021 - *Bridging the knowledge gap: study measures economic water scarcity for agriculture*. Science for Environment Policy News Service, n. 562 (European Commission – DG Environment).

February 2021 – Invited interview for the series “SIE – Economia in pillole”, Società Italiana di Economia. *Scambio di acqua scarsa in un mondo globalizzato* (<https://youtu.be/KfvYIXDtISg>).

March 16, 2021 – Invited speaker in the seminar series “Region Europe”, University of Torino. *Dopo Cotonou. Un nuovo corso per le relazioni fra UE e Africa*.

March 22, 2021 – *Il cibo che mangi, l'acqua che non vedi*. With the team Water To Food, Politecnico di Torino. Public Conference Online (<https://youtu.be/BmaPDEUIJQE>).

March 2011 - Invited speaker about community based forest management. Re.Te, Torino.

June 2010 – Invited speaker about community based forest management- Africa Quero Te, Torino.

## **Appointments**

From October 2018 - Secretary General of the Italian Association for the Study of Comparative Economic Systems (AISSEC).

Member of the Scientific Committee of the Turin Center on Emerging Economies (OEET – Collegio Carlo Alberto).

Member of the Faculty and of the Advisory Board of the Master “Management of Development”, International Labour Organization and Università degli Studi di Torino.

Academic years 2012/2013 – 2013/2014 – 2014/2015 - Member of the Planning and Development Commission at the Academic Senate of the University of Torino, as representative of Post-doctoral fellows.

Member of the International Association of the Study of the Commons (IASC), Italian Association for the Study of Comparative Economic Systems (AISSEC), Italian Association of Environmental and Resources Economists (IAERE), Italian Society of Transport and Logistics Economists (SIET), European Social Simulation Association (ESSA), Sustainability and Development Initiative (University of Michigan-umsustdev.org), Interdepartmental Centre of Research and Technical and Scientific Cooperation with Africa – University of Torino (CISAO).

## **Languages**

### ***Mother tongue***

Italian

### ***Other languages***

English – proficient user

German – proficient user

French – proficient user

Spanish – basic user

## **Computer skills and competences**

Windows, MS Office, STATA, Netlogo, Matlab.

## **Personal skills and competences**

Very good skills in organization, networking, multicultural teams, leadership, problem solving.

Torino, 18/02/2022