



# DARIO COTTAFAVA

ACCOUNTING & INNOVATION  
FOR THE CIRCULAR ECONOMY

## SKILLS

### MANAGEMENT SKILLS

Business Model & Plan, Press Release, Social Media Manager, Events Organization, GRI standards, Design Thinking tools

### GRAPHICS

2D: Illustrator, Photoshop  
3D: Sketchup, MozillaHub  
Video: Movavi, Camtasia

### WEB DESIGN & DATA VIZ

HTML, CSS; PHP, Javascript (D3 & Highcharts), MySQL, jquery, CMS (Drupal, Wordpress), Processing

### LANGUAGES

R, Python, C++, Fortran, VBA

### ELECTRONICS & SOFTWARE

Arduino, Raspberry Pi, Intel Edison, Gephi, Vensim, QGIS, VosViewer

## CONTACT

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 [https://www.dcps.unito.it/do/centi.pl/Show?\\_id=dcottafa](https://www.dcps.unito.it/do/centi.pl/Show?_id=dcottafa)

  Dario Cottafava

## WORK EXPERIENCE

### Lecturer / Teaching Assistant

- "Business in Society", ESADE (Barcelona)
- "Design Thinking and Agile Methodologies" & "Design Thinking and Business Modelling", GBSB Global (Barcelona)
- "Social Network Analysis", Master in Data Science, UOC (Barcelona)
- "Digital Technology in Business" & "Management Information Systems", European Business School (Barcelona)
- "Circular Economy Management, "Business Administration" & "Sustainability Accounting", University of Turin (Turin)
- "Advanced Topics in Global Supply Chain" & "Circular & Sustainable Business Models", InforElea (Turin)

### Researcher on Energy, Circular Economy and Accounting University of Turin | 2015-2023

### Visiting Research

- "Social Impact Mapping", Càtedra d'Economia circular of the Technocampus of Matarò, Barcelona, Spain | 2022
- "Circularity Assessment in the built environment", Zuyd University of Applied Science | 2019-2020

### Research Intern

- Communication Manager, UniTo Green Office, Turin, Italy | 2016-2019
- "Open Data for Environment", Prologic, Turin, Italy | 2015-2016
- "New materials for Solar Energy", Solaronix, Lausanne, Switzerland | 2011-2012

## EDUCATION

### Ph.D., Innovation for the Circular Economy University of Turin | 2021

### Dual M.Sc. Physics of Complex Systems Polytechnic of Turin / University of Paris XI, 2014

### M.Sc., Material for Energy and Environment University of Eastern Piedmont, Vercelli, Italy, 2012

### B.S., Physics University of Turin | 2010

## VOLUNTEERING

### Expert in Business Administration Department of Management, University of Turin, Italy 2022

### Host & Collaborator Impact Hub Barcelona, Barcelona, Spain | 2022

### Co-founder & Project Manager greenTO | 2015-2022

### Climate-KIC local Community Manager Climate-KIC | 2018

## HONORS & AWARDS

### Award for "Binational Megaprojects Management" project Université Franco Italienne (UFI) | 2021

### Chair and Co-chair at international conferences ISBEE 2022, R&D Management 2021, Crossing Boundaries 2021

### Italian representative at ESD youth conference UNESCO | 2018

### Award Education for Sustainable Development Sustainable Italian University Network & ISCN | 2017-2018

### Research Grant for Public Engagement Research & Talent Foundation | 2016

## LANGUAGES

Italian- Native  
Spanish - Professional

English - Professional  
French - Beginner

# SELECTED PUBLICATIONS

## PAPERS IN JOURNALS

- (2022) Cottafava, D., et al., **Sustainable Development Goals research in Higher Education Institutions: an interdisciplinarity assessment through the design and testing of an entropy-based indicator**, *Journal of Business Research*, Elsevier.
- (2022) Corazza, L., Cottafava, D., & Torchia, D. **Education for sustainable development: a critical reflexive discourse on a transformative learning activity for business students**. *Environment, Development and Sustainability*, 1-21.
- (2022) Cottafava, D., et al., **Modelling economic losses and greenhouse gas emissions reduction during COVID-19 pandemic: past, present, and future scenarios for Italy**, *Economic Modelling*, Elsevier.
- (2022) Sonetti, G., & Cottafava, D. **Enhancing the accountability and comparability of different campuses' energy profiles through an energy cluster approach**. *Energy Efficiency*, 15(4), 1-19.
- (2021) Cottafava, D., Ritzen, M., **Circularity indicator for residential buildings: Addressing the gap between embodied impacts and design aspects**, *Resources, Conservation & Recycling*, Volume 164,
- (2021) Cottafava, D. et al. **Assessment of the environmental break-even point for deposit return systems through an LCA analysis of single-use and reusable cups**, *Sustainable Production and Consumption*.
- (2020) Cottafava, D., Corazza, L., **Co-design of a stakeholders' ecosystem: an assessment methodology by linking Social Network Analysis, Stakeholder Theory and Participatory Mapping**. *Kybernetes*, Emerald Pub.
- (2019) Cottafava, D., et al., **ESDGs through students' active engagement: a transformative learning experience**. *Sustainability Accounting, Management and Policy Journal*, 10(3), pp. 521-544
- (2019) Caserini, S., Baglione, P., Cottafava, D. et al. **Fattori di emissione di CO2 per consumi energetici e trasporti per gli inventari di gas serra degli atenei italiani**. *Ingegneria dell'Ambiente*, 6(1)
- (2019) Cottafava, D., et al., **Crowdsensing for a sustainable comfort and for energy saving**. *Energy and Buildings*, 186, pp. 208-220.
- (2018) Cottafava, D., et al. **Explorative Multidimensional Analysis for Energy Efficiency: DataViz versus Clustering Algorithms**. *Energies* 11(5), 1312.

## WORKING PAPERS

- (2022) Corazza, L., Tipaldo, G., Torchia, D., & Cottafava, D. (2022). **Designing a socioeconomic impact framework for megaprojects**. In *Il valore della sostenibilità. Dinamiche di rilevazione e rendicontazione* (pp. 1-12). Vita e Pensiero-Pubblicazioni dell'Università Cattolica del Sacro Cuore.
- (2019) Cottafava, D., Riccardo, L., D'Affuso, C., **From flow to stock. New circular business models for urban integrated systems: a case study on single-use plastic cups**. *Procedia Environmental Science, Engineering and Management*, 6 (1), pp. 81-94
- (2019) Mariotti, N., Ascione, G. S., Cottafava, D., Cuomo, F., **Critical Barriers for Plastic Recycling. A CC case-study in Turin**. *Procedia Environmental Science, Engineering and Management*, 6 (2), pp. 169-180
- (2019) Cottafava, D., Ascione, G., **Circular Economy: new paradigm or just relabelling? A Quantitative Text and Social Network Analysis on Wikipedia webpages**. *R&D Management Conference 2019, Paris, France*.

## BOOK CHAPTERS

- (2022) Corazza, L., Tipaldo, G., Torchia, D., Cottafava, D., **Designing a megaproject socio-economic impact plan: theoretical contribution, practical challenges, and managerial implications**, in "Exploring the societal and environmental impacts of corporate social responsibility", Taylor & Francis.
- (2021) Norese, M.F., Corazza, L., Cottafava, D., **Environmental monitoring of the socio-economic components of the impact of a megaproject**. In "Multiple Criteria Decision Making for Sustainable Development", Springer.
- (2020) Cottafava, D., Ascione, G. S., Grande, S., Corazza, L.. **Economia Circolare**, In *Lessico e Nuvole*, pp 151-153.
- (2020) Cottafava, D., Corazza, L. & Cavaglià, G., **Struggles and successes of transformative learning for SDGs: a case study**. In *Struggles and Successes in the Pursuit of Sustainable Development*, Taylor & Francis.
- (2019) Cottafava, D., **Big Data, Social Networks and Well-being**. In *Eurac Research, Regenerative Design in digital practice. A Handbook for the Built Environment*, pp 85-91.
- (2018) Cottafava, D., **Linking Education for Sustainable Development with Open Innovation**. In *ISCN and GULF Universities best practices for the World Economic Forum*.



## CURRICULUM VITAE

### Dario Cottafava

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Phone: 0034/663811656

Address: Via Giacinto Collegno 8, 10143, Torino, Italy

Nationality: Italian

Date of birth: 24 June 1986

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## EDUCATION

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15-Oct-2021	<b>Ph.D., Innovation for the Circular Economy</b> <i>University of Turin, Turin, Italy</i>
8-Oct-2014	<b>Master 2 (dual degree), Physics of Complex Systems</b> <i>University of Paris XI (in collaboration with École normale de Cachan) Paris, France</i>
25-Jul-2014	<b>Master's degree, Physics of Complex Systems</b> <i>Polytechnic of Turin (in collaboration with SISSA &amp; ICTP), Turin-Trieste-Paris, Italy-France</i>
2012-2013	<b>Erasmus Scholarship</b> <i>Paris XI, Paris, France</i>
21-Feb-2012	<b>Master's degree (1st level), Material for Energy and Environment</b> <i>University of Eastern Piedmont, Vercelli, Italy</i>
11-Mar-2010	<b>Bachelor's degree, Physics</b> <i>University of Turin, Turin, Italy</i>
2008-2009	<b>Erasmus Scholarship</b> <i>Universidad Autonoma de Madrid, Madrid, Spain.</i>
2005	<b>Scientific High school</b> <i>A. Volta, Turin, Italy</i>

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## FELLOWSHIPS, VISITING, WORK EXPERIENCE

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### FELLOWSHIPS & VISITING

2022	<b>Visiting research on Social Impact Mapping</b> <i>Càtedra d'Economia circular i sostenibilitat of the Tecnocampus of Matarò (Universitat Pompeu Fabra), Barcelona, Spain</i>
2022	<b>Expert in Business Administration</b> <i>Department of Management, University of Turin, Italy</i>
2019-2020	<b>Visiting Research on circularity assessment</b> <i>Zuyd University of Applied Sciences, Maastricht, The Netherlands.</i> Fellowship for Drive 0 (Driving decarbonization of the EU building stock) H2020 EU project.

2023-ongoing	<p><b>Researcher on Socio-economic impact of alternative fuels in the transport sector</b></p> <p>(2023) <u>Hydrogen mobility for the transport sector</u>. Department of Economics and Statistics “Cognetti de Martiis”, University of Turin, Italy</p>
2021-2023	<p><b>PostDoc Researcher on socio-economic impact of megaprojects and sustainable infrastructure</b></p> <p>(2022) <u>Accounting and reporting of socio-environmental impacts in megaprojects: theoretical reflections and experimental approaches</u>. Department of Management, University of Turin, Italy</p> <p>(2021) <u>Validation and elaboration of an Experimental Protocol for the Environmental Monitoring Plan</u>. Department of Management, University of Turin, Italy</p>
2015-2020	<p><b>Research Assistant fellowship on energy and smart buildings, education for sustainable development, circular economy, accounting, and sustainability reporting</b></p> <p>(2020) <u>The Sustainability Report of the University of Turin between SDGs, GRI and new evolutions</u>. Department of Management, University of Turin, Italy</p> <p>(2019) <u>Modeling and regulation algorithms in ESACOM project (Energy SAVings and COMfort optimization)</u>. Department of Physics, University of Turin, Italy.</p> <p>(2018) <u>UniTo Green Office, Energy Working Group</u>. Department of Culture, Politics and Society, University of Turin, Italy.</p> <p>(2017) <u>Easy Open Data: from Big Data to Environmental Sustainability</u>. Talent for Civil Society Research Fellowship, Department of Culture, Politics and Society, &amp; Gorla Foundation, Turin, Italy.</p> <p>(2016) <u>Open Source Building Energy Management Systems &amp; real time consumption monitoring</u>. ISI &amp; CRT Foundation, Turin, Italy</p> <p>(2015) <u>Energy aspects of the ComfortSense</u>. Department of Computer Science, University of Turin, Italy.</p>
2011-2012	<p><b>Research Intern on new materials for Dye-Sensitized Solar Cells</b></p> <p>SOLARONIX, Aubonne, Switzerland</p>

## OTHER WORK EXPERIENCES

2023	<p><b>Mentor/Advisor</b></p> <p>Impact Hub Barcelona, Accelera acceleration program, Barcelona, Spain</p>
2022-2023	<p><b>Mentor/Advisor</b></p> <p>Ship2B, Tech4Climate incubation program, Barcelona, Spain</p>
2021-2022	<p><b>Host &amp; events' organizer</b></p> <p>Impact Hub Barcelona, Barcelona, Spain</p>
2015-ongoing	<p><b>Cofounder and project management</b></p> <p>greenTO NGO, Turin, Italy</p>
2014-ongoing	<p><b>Webmaster</b></p> <p>NGO GreenTo ( <a href="http://www.greento.it">www.greento.it</a> ), “PlasticFreeMovida” ( <a href="http://www.plasticfreemovida.greento.it">www.plasticfreemovida.greento.it</a> ), “In-between” ( <a href="http://www.in-between.it">www.in-between.it</a> ), “UniToGO” ( <a href="http://www.green.unito.it">www.green.unito.it</a> )</p>

2016-2019 **Communication & community manager**  
*UniTo Green Office, Turin, Italy*

2015-2016 **Web developer & electronics maker**  
*Prologic Informatica, Turin, Italy*

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## LECTURER / TEACHING ASSISTANT

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2023 **Teaching Assistant in "Business and Society"**  
*Esade Center for Social Impact, Barcelona, Spain(80h)*

2023 **Lecturer in "Sustainable and Circular Business Model"**  
*Master in Business and Management, InforElea, Pinerolo, Italy (8h)*

2023 **Lecturer in "Design Thinking and Agile Methodologies for Innovation" & "Design Thinking and Business Model Design"**  
*GBSB Global Business School, Barcelona, Spain (40h)*

2023 **Lecturer in "Circular Economy Management"**  
*Department of Management, University of Turin, Italy (15h)*

2022-2023 **Lecturer in "Innovative Technology in Business" & "Management Information Systems"**  
*European Business School, Barcelona, Spain (136h)*

2022-2023 **Teaching Assistant in "Business Administration" & "Sustainability Accounting and Accountability"**  
*Department of Management, University of Turin, Italy (120h)*

2022-2023 **Teaching Assistant (Professor Colaborador) in "Social Network Analysis" (TBC - NOT STARTED YET)**  
*Master in Data Science, Universitat Oberta de Catalunya, Barcelona, Spain*

2022 **Lecturer in "Advanced Topics in Strategy and Global Supply Chain"**  
*Transnational Training, InforElea, Pinerolo, Italy (32h)*

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## HONORS & AWARDS

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Nov-2022 **Best paper at "MeRIT Conference 2022"**  
Best paper award for the paper "How Circular Economy Can Contribute to the Sustainability of Megaprojects: An Overview of Research Hotspots and Developing a Research Agenda"  
*Milan, Italy.*

2021 **Award UFI/UIF 2021 for the project "Management of binational megaprojects for sustainable development".**  
Funding of 3000€.  
*Conseil Exécutif de l'Université Franco Italienne (UFI).*

May-2018 **"Education for Sustainable Development Youth Conference: Youth saves the planet".**  
Selected as Italian representative for Education for Sustainable Development with funding of 500€.  
*UNESCO headquarter, Paris, France.*

Jan-2018 **Award for Education for Sustainable Development.**

"Leadership Training for Education for Sustainable Development" selected as best practices for the World Economic Forum 2018.

*International Sustainability Campus Network (ISCN).*

2018 **Italian Local Community Manager.**

Funding of 1000€ for engagement initiative about climate change.

*Climate-Kic Alumni Association, Turin, Italy.*

Jul- **Award for Education for Sustainable Development.**

2017 "Leadership Training for Education for Sustainable Development" selected as Italian best practices.

*Rete delle Università per lo Sviluppo Sostenibile (RUS), Venice, Italy.*

2016 **Research grant for public engagement initiative.**

Funding of 4000€

*Fondazione Fondo Ricerca e Talenti, Torino, Italy.*

Oct- **Special mention at Creathon 2015 with the project "InsideArt".**

2015 Selected for a 4-month incubation period at the Polo Tecnologico Lucchese.

*LUBEC 2015, Lucca, Italy.*

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## RESEARCH ACTIVITY

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### PAPERS

1. (2023) Cottafava, D., Corazza, L., Torchia, D., Dhir, A. Interpreting Stakeholder Ecosystems through Relational Stakeholder Theory: the case of a highly contested Megaproject, *Business Strategy and Environment*
2. (2023) Cottafava, D., Corazza, L., Torchia, D., Geo-spatial accounting for the socio-economic impacts of megaprojects: towards operationalization of Megaproject Social Responsibility, *Environmental Impact Assessment Review Journal*
3. (2023) Corazza, L., Truant, E., Cottafava, D., & Dhir, A. (2023). Higher Education Institutions and Multistakeholders' Engagement: A Longitudinal Study of an Anchor Institution's Legitimacy and Dynamism. *IEEE Transactions on Engineering Management*.
4. (2023) Corazza, L., Torchia, D., & Cottafava, D. (2023). Academics Applying Interventionist Research to Deal with Wicked and Complex Societal Problems. *Social and Environmental Accountability Journal*, 1-18.
5. (2022) Corazza, L., Cottafava, D., Torchia, D. Education for sustainable development: a critical reflexive discourse on a transformative learning activity for business students, *Environment, Development and Sustainability, Springer*.
6. (2022) Cottafava, D., Ascione, G.S., Corazza, L., Dhir, A., Sustainable Development Goals research in Higher Education Institutions: an interdisciplinarity assessment through the design and testing of an entropy-based indicator, *Journal of Business Research, Elsevier*.
7. (2022) Sonetti, G., Cottafava, D. Enhancing the Accountability and Comparability of Different Campuses' Energy Profiles Through an Energy Clusters Approach, *Energy Efficiency, Springer*.
8. (2022) Cottafava, D., Gastaldo, M., Quatraro, F., Santhià, C., Modelling economic losses and greenhouse gas emissions reduction during COVID-19 pandemic: past, present, and future scenarios for Italy, *Economic Modelling, Elsevier*.
9. (2021) Cottafava, D., Ritzen, M., Circularity indicator for residential buildings: Addressing the gap between embodied impacts and design aspects, *Resources, Conservation & Recycling, Elsevier*.
10. (2021) Cottafava, D., Costamagna, M., Baricco, M., Corazza, L., Miceli, D., Riccardo, L., Assessment of the environmental break-even point for deposit return systems through an LCA analysis of single-use and reusable cups, *Sustainable Production and Consumption, Elsevier*.
11. (2020) Cottafava, D., Corazza, L., Co-design of a stakeholders' ecosystem: an assessment methodology by linking Social Network Analysis, Stakeholder Theory and Participatory Mapping. *Kybernetes, Emerald Publishing*.
12. (2019) Cottafava, D., Cavaglià, G., Corazza, L., ESDGs through students' active engagement: a transformative learning experience. *Sustainability Accounting, Management and Policy Journal, Emerald Publishing*
13. (2019) Caserini, S., Baglione, P., Cottafava, D. et al. Fattori di emissione di CO2 per consumi energetici e trasporti per gli inventari di gas serra degli atenei italiani. *Ingegneria dell'Ambiente*
14. (2019) Cottafava, D., Magariello, S., Ariano, R. et al., Crowdsensing for a sustainable comfort and for energy saving. *Energy and Buildings, Elsevier*.

15. (2018) Cottafava, D., Sonetti, G., Gambino, P., & Tartaglino, A., Explorative Multidimensional Analysis for Energy Efficiency: DataViz versus Clustering Algorithms. *Energies*, MDPI.

## INPROCEEDINGS

1. (2023) Spinazzola, M., Cottafava, D., Green Recommendation Systems for Smart and Sustainable Cities: a Proof-of-Concept on the City of Milan, ITAIS Conference
2. (2022) Esfandabadi, Z., Cottafava, D., Corazza, L., Scagnelli, S.D., How Circular Economy Can Contribute to the Sustainability of Megaprojects: An Overview of Research Hotspots and Developing a Research Agenda, MeRIT Conference 2022, Milan, Italy
3. (2022) Esfandabadi, Z., Cottafava, D., Corazza, L., Scagnelli, S.D., Sustainability Challenges of High-speed Railway Megaprojects from a Systems Thinking Lens, MeRIT Conference 2022, Milan, Italy
4. (2022) L Corazza, G Tipaldo, D Torchia, D Cottafava, Designing a socioeconomic impact framework for megaprojects, *Il valore della sostenibilità. Dinamiche di rilevazione e rendicontazione*.
5. (2022) Corazza, L., Cottafava, D., Torchia, D., Stakeholder Identification and Mapping in highly contested megaprojects: interpreting stakeholders ecosystems through relational stakeholder theory, in *44th Annual Congress of the European Accounting Association*
6. (2019) Cottafava, D., Riccardo, L., D'Affuso, C., From flow to stock. New circular business models for urban integrated systems: a case study on single-use plastic cups. *Procedia Environmental Science, Engineering and Management*, 6 (1), pp. 81-94
7. (2019) Mariotti, N., Ascione, G. S., Cottafava, D., Cuomo, F., Critical Barriers for Plastic Recycling. A CC case-study in Turin. *Procedia Environmental Science, Engineering and Management*, 6 (2), pp. 169-180
8. (2019) Cottafava, D., Ascione, G., Circular Economy: new paradigm or just relabelling? A Quantitative Text and Social Network Analysis on Wikipedia webpages. *R&D Management Conference 2019*, Paris, France.
9. (2018) Baricco, M., Tartaglino, A., Gambino, P., Dansero, E., Cottafava, D., & Cavaglià, G., University of Turin performance in UI GreenMetric: Energy and Climate Change. In *The 4th International Workshop on UI GreenMetric*.
10. (2017) Cottafava, D., Gambino, P., Baricco, M., & Tartaglino, A., Multidimensional analysis tools for energy efficiency in large building stocks. In *Proceedings of the 12th Conference on Sustainable Development of Energy, Water and Environment Systems*, Dubrovnik, Croatia.
11. (2016) Cottafava, D., Gambino, P., Baricco, M., & Tartaglino, A., Energy efficiency in a large university: The UniTo experience. In *Sustainable University Campuses, SBE16 Towards Post-Carbon Cities* (pp. 350-359).

## INCOLLECTIONS / BOOK CHAPTERS/ MISC

1. (2023) Corazza, L., Torchia, D., Certomà, C., Cottafava, D., Cuomo, F., Battisti, L., & Fresta, J. (2023). Community Engagement and Self-Management in Liquid Times: the Case of the Container Garden at the School of Management and Economics of the University of Turin. *Cultural Heritage as a Trigger for Civic Wealth Creation and Sustainable Urban Development*, 75.

2. (2023) Gordano, S., Torchia, D., Corazza, L., Cottafava, D., How do companies conceive sustainable infrastructure? Evidence from a content analysis of construction companies' reports, *Cross-Disciplinary Business Research*, Palgrave Studies in Association with EuroMed Academy of Business
3. (2022) Corazza, L., Cottafava, D., Torchia, D., Towards Sustainable Infrastructural Megaprojects, in *Implementing the UN Sustainable Development Goals- Regional Perspectives, Volume 4 – Implementing the SDGs in the European Region*, Springer.
4. (2022) Corazza, L., Torchia, D., Cottafava, D., Tiplado, G. Considering the social and economic implications of infrastructure megaprojects: theoretical contributions, practical challenges and managerial implications. In: Robert Kudłak Ralf Barkemeyer Lutz Preuss Anna Heikkinen, *The Impact of Corporate Social Responsibility. Corporate Activities, the Environment and Society*. p. 1-30, LONDON:Routledge, ISBN: 9781032021881
5. (2021) Norese, M.F., Corazza, L., Cottafava, D., Environmental monitoring of the socio-economic components of the impact of a mega project. In Doumpos Michael, Constantin Zopounidis and Fernando Ferreira "*Multiple Criteria Decision Making for Sustainable Development*", Springer.
6. (2020) Cottafava, D., Ascione, G. S., Grande, S., Corazza, L.. Economia Circolare, In *Lessico e Nuove*, pp 151-153.
7. (2020) Cottafava, D., Corazza, L. & Cavaglià, G., Struggles and successes of transformative learning for SDGs: a case study. In *Struggles and Successes in the Pursuit of Sustainable Development*, Routledge / Taylor & Francis.
8. (2019) Cottafava, D., Big Data, Social Networks and Well-being. In Eurac Research, *Regenerative Design in digital practice. A Handbook for the Built Environment*, pp 85-91.
9. (2018) Cottafava, D., Il ruolo delle Università per lo sviluppo sostenibile: il caso di UniToGO. In *Immaginare il Futuro: arte e sostenibilità*, Albertina Press. ISBN 9788894843347.
10. (2018) Cottafava, D., Linking Education for Sustainable Development with Open Innovation. In *ISCN and GULF Universities best practices for the World Economic Forum*.

## UNDER REVIEW / WORK IN PROGRESS

1. (UNDER REVIEW) Cottafava, D., Corazza, L., Torchia, D., Esfandabadi, Z., Megaprojects from the lens of business, management, and accounting studies: a systematic literature review, *International Journal of Project Management*
2. (UNDER REVIEW) Cottafava, D., Spinazzola, M., Corazza, L., Llorens, S., New data sources for innovation ecosystems mapping: how could LinkedIn inform on actors' engagement with the Circular Economy and the Social and Solidarity Economy? A proof of concept on Catalonia, *Technology Forecast and Social Change journal*.

## THESIS

1. (2021) Energy, Materials, Information. How to define a Circular Thing. PhD Thesis (Supervisor: P. Gambino)
2. (2018) Easy Open Data: from Big Data to environmental sustainability. Opportunities and difficulties for Public Administration. *Research thesis (Supervisor: P. Gambino)*
3. (2015) Message-Passing Approach to the Dynamics of Opinion Spreading.

*Master's thesis (Supervisor: A. Pelizzola).*

4. (2012) Novel Materials and new Design for Dye Sensitized Solar Cell Technology.  
*Master's thesis (Supervisor: C. Bisio).*
5. (2010) Elliptic Cryptography and the Digital Signature Algorithm.  
*Bachelor's thesis (Supervisor: I. Pesando).*

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# SUMMER SCHOOLS & INTERNATIONAL CONFERENCES

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## INTERNATIONAL CONFERENCES

- Nov-2022 **MeRIT Conference 2022.** Polytechnic of Milan, Italy.  
Working Paper Presentation: "Sustainability Challenges of High-speed Railway Megaprojects from a Systems Thinking Lens"
- Sep-2022 **Publishing Across Disciplinary Boundaries: Theoretical and Methodological Challenges.** University of Palermo, Italy  
Working Paper Presentation: Anatomy of an innovation ecosystem: How do sustainability, circular economy and social impact business interrelate?
- Nov-2020. **2020 Social and Cultural Aspects of Circular Economy.** University of Helsinki, Finland.  
Book chapter presentation: Untangling the complexity of Circular Economy paradigm: A social network analysis of Wikipedia web pages.
- June-2019 **2019 R&D Management Conference.** Ecole Polytechnique, Paris, France.  
Working paper presentation: Circular Economy: new paradigm or just relabelling? A Quantitative Text and Social Network Analysis on Wikipedia webpages.
- May-2018 **7th STS ITALIA Conference: Technoscience from Below.** University of Padua, Padua, Italy.  
Working paper presentation: Building the sustainability ecosystem in the hyperconnected era
- Oct-2017 **12th SDEWES Conference.** Dubrovnik, Croatia.  
Working paper presentation: Multidimensional analysis tools for large building stocks
- Sept-2017 **AISRE (Associazione Italiana di Scienze Regionali).** Cagliari, Italy  
Poster presentation: Linking Top-down and bottom-up approaches for sustainability
- Sept-2016 **2nd UNI-SET Energy Clustering Event.** Polytechnic of Turin, Turin, Italy  
Presentation: Energy Efficiency indices for large building stocks
- June-2016 **10th ISCN Conference: Leadership for a Sustainable Future.** University of Siena, Italy  
Presentation: The Green Office Model in Italy
- May-2016 **6th UNICA GREEN.** University of Rome "Tor Vergata", Rome, Italy.  
Presentation: Enabling student-driven change towards sustainability
- Mar-2016 **SBE16 Towards Post-Carbon Cities.** Polytechnic of Turin, Turin, Italy.  
Working paper presentation: Energy Efficiency in a Large University. The Unito experience

## SUMMER SCHOOLS

- Jul-2021 **III Edition - Sustainability Disclosure in Corporate Reporting (SDCR)**  
Università degli Studi di Milano-Bicocca, Italy
- Sept-2021 **2021 International Summer School on Advanced Methods in Global Health.**  
ISGlobal, Barcelona, Spain.
- July-2021 **Energy Innovation and Integration for a Clean Environment.**  
Joint EPS-SIF International School on Energy, Italy
- Oct-2018 **CIRC4Life project: A circular Economy Approach for lifecycles of products and services.**  
Invited as circular economy expert. Fully funded by CIRC4Life EU project (about 1000€).  
Krakow, Poland.

Apr-2018	<b>The future of University as if sustainability mattered: a co-creation experience through Theory U journey.</b> <u>Fully funded by Intrepid Cost Action (about 1000€)</u> Intrepid Cost Action, Universidad Politecnica de Catalunya, Barcelona, Spain.
Jul-2017	<b>Climate-KIC Journey.</b> <u>Fully funded by EIT Climate-KIC.</u> Cyprus University of Technology, Cyprus.
Jun-2017	<b>SHAPE Energy: Advancing in Energy Policies summer School.</b> ENTPE Lyon, Lyon France.
Aug-2016	<b>The Cure Summer School.</b> ISIA Florence, Florence, Italy.
Jul-2016	<b>XYZ Lab - The Open Source School.</b> Polytechnic of Bari, Bari, Italy.
May-2013	<b>Physics of Complex Systems Spring School.</b> International Center for Theoretical Physics, Trieste, Italy.

## TRAININGS / COURSES

Sep-2022	<b>Skills for the Green Transition</b> Cambridge Judge Business School
Dec-2021	<b>Systems Innovation Course and Toolbox</b> EIT Climate-KIC
Mar-2021	<b>UNESCO Lecture Series Earth Materials for a Sustainable and Thriving Society.</b> ICrag, Irish Centre for Research in applied geoscience, Ireland.
Feb-2021	<b>Basics of project writing.</b> University of Turin, Research and Third Mission Direction, Turin, Italy.
Oct-2020	<b>"Transformative economies: from the Circular Economy to the Green New Deal"</b> <u>Participation fully funded by Feltrinelli Foundation (about 250€)</u> FeltrinelliCamp 2020. Feltrinelli Foundation, Milan.
Oct-2018	<b>Fundraising for research projects: an opportunity to be seized.</b> University of Turin, Turin, Italy.
Jun-2018	<b>RESTORE (REthinking Sustainability TOwards a Regenerative Economy).</b> <u>Participation fully funded by RESTORE cost action (about 500€).</u> Cost Action Meeting. University of Primorska Faculty of Mathematics, Koper, Slovenia.
May-2018	<b>Education for Sustainable Development Youth Conference: Youth saves the planet.</b> <u>Participation fully funded by UNESCO (about 500€).</u> UNESCO Headquarter, Paris, France.
Feb-2018	<b>Local Climate Leaders.</b> <u>Participation fully funded by Climate-KIC alumni Association.</u> Communication meeting. Venice, Italy.
Nov-2017	<b>Climate Heroes.</b> Climate-kic Annual meeting. Rotterdam, Netherland.
Feb-2017	<b>Education for Sustainable Development Leadership Training.</b> <u>Participation fully funded by ECO-UNESCO.</u>

Department of Education and Skills, Dublin, Ireland.

2017

**Civil Electrical Installer.**

Course on wiring of Civil Automation Systems. Forte Chance - Erica, Turin, Italy.

Nov-  
2016

**European Green Office Summit 2016.**

Participation fully funded by UniToGO.

University of Amsterdam, Netherland.

2015

**Export Talents.**

Course on business management, marketing and import-export law. CRT Foundation, Turin, Italy

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## INVOLVEMENT IN RESEARCH PROJECTS

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- 2023-2025 **MOST (Sustainable Mobility). Socio-economic impacts of alternative fuel on the transport sector.**  
*Principal investigator.*  
PNRR research project.
- 2020-2021 **Validation and elaboration of an Experimental Protocol for the Environmental Monitoring Plan.**  
*Research project assistance.*
- 2019-2020 **Drive0 (Driving decarbonization of the EU building stock).**  
*Research project assistance*  
H2020 EU research project
- 2018-2019 **ESACOM (Energy SAving and COMfort).**  
*Research project assistance*  
POR-FESR 2014-2020 Regional research project in collaboration among IREN, Eurix, Screen 99, Prologic Informatica, Modelway and the University of Turin.
- 2018 **HOME (Human Observations Meta Environment).**  
*Research project management*  
Research project funded by DIST in collaboration among the University of Turin, the Polytechnic of Turin and Human Ecosystem Relazioni.
- 2015-2016 **ComfortSense (CrowdSensing for a sustainable Comfort).**  
*Research project assistance*  
Regional research project in collaboration among Telecom Italia, CSP, CSI, Screen 99, Sinbit, Prologic Informatica, Modelway, Enhancers, University and Polytechnic of Turin
- 2011-2012 **Innovasol (Innovative Materials for Future Generation Excitonic Solar Cells)**  
*Research intern.*  
EU research project in collaboration with Università degli Studi del Piemonte Orientale Amedeo Avogadro, Ecole Polytechnic Federale de Lausanne, Technische Universitaet Dresden, Chancellor Masters and Scholars of the University of Cambridge, Università degli Studi di Torino, Universidade Estadual de Campinas, Centro Ricerche Fiat SCPA, Solaronix SA.

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## OTHER ACADEMIC ACTIVITIES

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### THESIS SUPERVISION ASSISTANCE

- 2023 Estudio de la evolución de la sustentabilidad ambiental de una institución del conurbano bonaerense  
Ph.D. thesis review and jury, Universidad Nacional de General Sarmiento, Buenos Aires, Argentina
- 2018 Modellazione energetica edifici del terziario  
Laurea Magistrale in Ingegneria Energetica e Nucleare, Politecnico di Torino.
- 2018 Un modello ad agenti per il mercato dell'energia elettrica: tasso di switching e mercati competitivi.  
Laurea Magistrale in Economia dell'Ambiente, Università di Torino.
- 2016 Strategie per il risparmio energetico nell'Università di Torino  
Laurea Triennale in Fisica, Università di Torino
- 2015 L'Efficienza Energetica al Campus Luigi Einaudi: studio degli sprechi e idee per il risparmio  
Laurea Triennale in Fisica, Università di Torino.
- 2015 L'Efficienza Energetica al Campus Luigi Einaudi: analisi impianti e consumi energetici  
Laurea Triennale in Fisica, Università di Torino.

# CHAIR, GUEST EDITOR, REVIEWER, MEMBERSHIP

## CONFERENCE CHAIR/CO-CHAIR

- Feb-2023 | **Chair at “Sustainability Reporting in Higher Education”**  
Chair of a parallel track.  
*Turin, Italy.*
- Nov-2022 | **Chair at “MeRIT Conference 2022: A multidisciplinary approach to embrace complexity and sustainability”**  
Chair of a parallel track.  
*Milan, Italy.*
- Jul-2022 | **Co-chair at 7th world congress of the International Society of Business Economics and Ethics (ISBEE 2021).**  
Co-chair of “*Community or communities? Universities and their multi-stakeholder dialogues*” track.  
*Bilbao, Spain.*
- Mar-2021 | **Chair and scientific committee at Crossing Boundaries 2021 conference.** *Parkstad, the Netherlands.*  
Member of the scientific committees and Chair of the track “*Circular building design methods and assessment*”.
- Jul-2021 | **Co-chair at R&D Management conference 2021.** *University of Strathclyde, Glasgow, United Kingdom.*  
Co-chair of “*Accounting for social impact of universities*” track.
- Oct-2021 | **Co-chair at 7th world congress of the International Society of Business Economics and Ethics (ISBEE 2021).** *Bilbao, Spain.*  
Co-chair of “*Community or communities? Universities and their multi-stakeholder dialogues*” track.

## GUEST EDITOR FOR SPECIAL ISSUES

- 2022-23 | **Circular Economy Systems: Design, Use, and Innovation**  
Systems, MDPI
- 2022-23 | **Transition towards a Circular Economy in the Buildings and Infrastructure Sector**  
Clean Technology, MDPI

## MEMBERSHIP

- 2022 | Member of Circular B Cost action

## REVIEWER

- 2022 | *Accounting, Auditing & Accountability Journal*
- 2022 | *Sustainable Production and Consumption*, Elsevier.
- 2022 | *TeMA, Journal of Land Use, Mobility and Environment*
- 2022 | *Circular Economy and Sustainability*

2022	<i>Computer in Industry</i>
2021	<i>UCL Open: Environment</i> . University College London (UCL) Press.
2021	<i>Sustainability Accounting, Management and Policy Journal</i> , Emerald Publishing.
2021	<i>Cleaner Engineering and Technology</i> , Elsevier.
2021	Circularben conference. Circularity in the Built Environment.
2020	SDEWES Conference. The International Centre for Sustainable Development of Energy, Water and Environment Systems.
2020	<i>Applied Sciences</i> , MDPI.
2019	<i>Algorithms</i> , MDPI.
2018	<i>Energies</i> , MDPI.
2018	<i>Big Data and Cognitive Computing</i> , MDPI.

## THIRD MISSION / PUBLIC ENGAGEMENT

### EVENTS' ORGANIZATION

2021	<b>Contribution within "Lessico e Nuvole" book about writing the definition of "Circular Economy"</b>
Oct 2018	<b>Climathon 2018</b> <u>Communication for University of Turin.</u> Hackathon on climate change
May 2018	<b>Open Call Festival Sustainable Development ASVIS 2018.</b> <u>Organizer and communication management.</u> Several events in different locations and Departments, University of Turin, Italy.
Apr 2018	<b>UniToGO + 2 and Blue Revolution</b> <u>Communication management.</u> Theatre performance at Aula Magna Cavallerizza, University of Turin, Italy.
Feb 2018	<b>"kWh hunting"</b> <u>Organizer and communication management</u> Engagement event to turn off the light within the national "M'illumino di meno" initiative at Campus Luigi Einaudi, University of Turin, Italy.
Nov 2017	<b>"Sul Caldo e sul Freddo".</b> <u>Organizer and communication.</u> Art installation at Castello del Valentino, DIST, Italy
Oct 2017	<b>Climathon 2018</b> <u>Communication for University of Turin.</u> Hackathon on climate change
Oct 2017	<b>CoDesign of the Sustainability Ecosystem for the City of Turin workshop</b> <u>Organizer, communication management and teacher.</u>

Workshop on participatory mapping methodology at Campus Luigi Einaudi, University of Turin, Italy.

- Sept 2017 **Researchers' night**  
Organizer of UniToGO stand.  
Piazza Castello, Turin, Italy.
- Jun 2017 **"Heart, two word about the future"**  
Communication management.  
Art exhibition at Campus Luigi Einaudi, University of Turin
- Apr 2017 **Leadership Training for Education for Sustainable Development**  
Organizer and communication management.  
Two-day workshop and Hackathon for students in collaboration with Accenture, WWAP Unesco, Cattedra Unesco Unito and UniToGO at Campus Luigi Einaudi, Rectorate and Palazzo Nuovo, University of Turin, Italy.
- Feb 2017 **"M'illumino di meno 2017"**  
Organizer and communication management  
Conference about cogeneration within the national "M'illumino di meno" initiative at Campus Luigi Einaudi, University of Turin, Italy.
- Nov 2016 **Uniti per Unito sostenibile**  
Organizers, communication and management  
Two-day event with dozens of talks and workshops at Campus Luigi Einaudi.
- Sept 2016 **Researchers' night**  
Organizer of UniToGO stand.  
Piazza Castello, Turin, Italy.
- May 2016 **Towards Green Office model and launch of UniToGO**  
Communication management  
Launch of UniToGO, initial conference at Aula Magna Cavallerizza
- Sept 2016 **Researchers' night**  
Organizer of UniToGO stand.  
Piazza Castello, Turin, Italy.

## PERSONAL TALKS

- Dec-2022 **Innovation for the Circular Economy**  
MIP Cafè, Mettersi in Proprio Turin Incubator, Toolbox, Turin, Italy
- Jun-2022 **Introduction to web scraping**  
Catedra d'Economia Circular I Sostenibilitat, Tecnocampus Matarò, Universitat Pompeu Fabra, Spain
- Jun-2022 **Introduction to Circular Economy**  
Meet & Map, Fit project, Matarò, Spain
- Apr-2022 **Introduction to Circular Thinking.**  
IED Barcelona, Spain.
- Mar-2022 **Modelli di green economy ed economia circolare: sfide e prospettive alla luce dell'Agenda 2030.**  
Equy4Cuneo, Cuneo, Italy
- Feb-2020 **Circular Economy assessment in the built environment: supply chain and socio-technical system.**  
Knowledge Media Institute, Open University, UK.

- Jun-2018 | **The 2030 agenda and the sustainability assessment of complex organizations.**  
*University of Turin, Italy.*
- Apr-2018 | **Eu Environmental Policy.**  
*University of Turin, Italy.*
- Feb-2018 | **Student-led and staff-supported sustainability Hub.**  
*University of Bologna, Italy.*
- Nov-2017 | **Internet of Things.**  
*Visionary Day 2017, Turin, Italy.*
- Oct-2017 | **Co-Design of the Sustainability Ecosystem.**  
*University of Turin, Italy.*
- Nov-2016 | **Students engagement and participation.**  
*Educational Festival, Turin, Italy.*
- Jun-2016 | **Indoor Comfort & Energy Saving.**  
*Supernova Festival, Turin, Italy.*
- May-2016 | **The Campus Luigi Einaudi from space to place: participatory mapping laboratory.**  
*University of Turin, Italy.*
- Nov-2015 | **ComfortSense Project.**  
*OpenDay at Computer Science Dept., University of Turin, Italy.*
- Nov-2015 | **Wearable Technologies.**  
*Wearable Tech, Turin, Italy*

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## SKILLS & COMPETENCES

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### HARD SKILLS

GRAPHICS	2D: Illustrator, Photoshop, Indesign 3D: rhinoceros, sketchup, Mozillahub Video Editor: Movavi, Camtasia
LANGUAGES	C+ + , Fortran, R, Python, VBA, processing
WEB DESIGN	HTML, CSS, PHP, Javascript, MySQL, jquery, bootstrap, CMS (Drupal & Wordpress).
ELECTRONICS	Arduino, Raspberry Pi, Intel Edison
DATA VIZ	Javascript (D3 & Highcharts), Processing, Open Framework R/Python (ggplot, plotly, rgeos, igraph, ....)
SOFTWARE	Gephi, Vensim, QGIS, Vosviewer
MANAGEMENT& OTHER SKILLS	Business Model & Plan, Press Release, Social Media Manager, Events Organizations, GRI standards

### LANGUAGES

ITALIAN	Mother Tongue
ENGLISH	Fluent
SPANISH	Fluent
FRENCH	Beginner