

Tommaso Luzzati

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SHORT BIOGRAPHICAL NOTE

He is associate Professor of economics at the Department of Economics and Management of the University of Pisa. He served as a director and/or vice director of the degrees in Regional and Environmental Economics (B.A), Peace Studies (B.A), Regional sustainable development and management (M.Sc.). He is member of IRTA-Leonardo (<https://www.leonardo-irta.it/>) research institute since its foundation, REMARC (<https://remarc.ec.unipi.it/>), CISP (<https://cisp.unipi.it/>) and CIRESS (<https://ciress.it/>).

His research is mainly centered on the relationship between (un)economic growth, environmental degradation and human well-being, from an ecological economics perspective. He is currently the Principal Investigator (PI) of a research project funded by the Italian Ministry of University, focusing on how policies for fighting planned obsolescence and prolonging the lifespan of products can lead to shorter working times and reduce waste.

He is an editor of Ecological Economics (<https://www.journals.elsevier.com/ecologiceconomics/>), and board member of the European Society for Ecological Economics. He served as a member of the IPBES (<https://www.ipbes.net/>) (Intergovernmental Science-Policy Platform on Biodiversity and Ecosystem Services) contributing, as a leading author, to the Unit Regional Assessment for Europe and Central Asia. Expert for the European commission on the project H2020 Social Multi-Criteria Evaluation for ex-ante Impact Assessment (2019-21). In June 2022, he acted as the chair of the LOC of the international conference XIV biennial meeting of the Society for Ecological Economics, <https://esee2022pisa.ec.unipi.it/> in which almost 600 delegates participated.

DETAILED CURRICULUM

Current and past positions

Since 01.11.2006 Associate Professor of Economics in the Department of Economics at the Faculty of Economics (now Department of Economics and Management) of the University of Pisa (Italy)

1999-2006 Lecturer in Economics (University of Pisa)

1997/98 Post-doctorate fellowship, Dept. of Economics, University of Ancona

1996/97 Research assistant in the field of applied environmental economics, supervisor Prof. A.G. Calafati, Dept. of Economics, University of Ancona (Italy)

Education

1995/96 University of Warwick, visiting fellow (Scholarship of the University of Pisa for research abroad)

1993-94 M.Sc. in Economics, University of Warwick (UK)

1992-1995 University of Ancona, Ph.D. in Economics

Dissertation on “Social interdependencies and Economic Theory: conformism and the case of voluntary contribution”. Supervisor: prof. Giorgio Rodano.
1991-1992 Military duty as an officer in the Italian Navy.
1985-1990 University of Pisa, ITALY, first degree in Economics,
(also fellow of the Scuola Superiore di Studi Universitari e di Perfezionamento S. Anna, PISA)
Final Dissertation: “The French Approach to the microfoundation of Macroeconomics. The model by Malinvaud.”, supervisor Prof. Carlo Casarosa. Final marks 110/110 cum laude,

Research

His research is mainly centered on the relationship between economic growth and human well-being, within an ecological economics perspective. Recent research includes

- planned obsolescence and product life
- pro-sociality and pro-environmental behaviour
- the composite sustainability indicators debate and doughnut economics
- the Environmental Kuznets Curve for Energy, CO₂, Materials, and Cancer
- the (un)sustainability of economic growth
- the work and ideas of K.W. Kapp

He has also written on the economic consequences of endogenous preferences (conformism), on social norms, on behaviour and rationality, on local development.

He served as a member of the Intergovernmental Science-Policy Platform on Biodiversity and Ecosystem Services (IPBES), where he participated as a lead author to the Unit of Regional Assessment for Europe and Central Asia (<https://www.ipbes.net/assessment-reports/eca>).

From 19/12/2019 to 31/10/2021 I acted as an expert for the European Commission in the project H2020 Social Multi-Criteria Evaluation for ex-ante Impact Assessment.

He was member, since their establishment, of the Centro Interdisciplinare in Scienze per la Pace dell'Università di Pisa (<https://cisp.unipi.it/>) and of the Istituto di Ricerca sul Territorio e l'ambiente “Leonardo” (<https://www.leonardo-irta.it/chi-siamo/>), participating in the Scientific Committee of the latter. Also, he is member of the scientific committee of the editorial series “Intorno all'Agorà” (ETS-PISA)

(<http://www.edizioniets.com/viewcollana.asp?col=Intorno%20all%27Agor%E0.%20Ambiente%20e%20Territorio>) and member of the Centro Interdipartimentale di Ricerca sull'Energia per lo Sviluppo Sostenibile - Ciress (<https://ciress.it/>) dell'Università di Pisa.

He supervised some PhD students of the Pisa PhD Economia Politica, among which David Buralassi (Spatial Structure and Economic Development) and Marco Orsini (Trade and EKC)

He acts as a reviewer for several journals in environmental/ecological economics and participates to examinations board for final exams of PhD Programmes.

Projects

ongoing

- “Well-being In a Dematerialized Economy (**WIDE**),” funded by the Italian Ministry of University and Research (P2022S83EA) (<https://wide.ec.unipi.it/>)

recently ended

- Autens (Autarchia Energetica Sostenibile) 2020-22 – PRA Università di Pisa
- Ecoesione, <https://ecoesione.ec.unipi.it/> funded by Italian ministry for Ecological transition
- Locomotion H2020, <https://www.locomotion-h2020.eu/> “Low-carbon society: an enhanced modelling tool for the transition to sustainability”.

He participated, also as the coordinator, to research groups on the local sustainable development in Tuscany. He participated to research funded by the Italian Ministry of the University (PRIN Research Programmes of National Interest) (1999-2000, 2000-02, 2003-04, 2006-08, 2009-10).

Teaching

He teaches Economics, Ecological Economics (since 2002), Sustainable Development at the University of Pisa. He also teaches in the PhD in Sustainable Development and Climate change – IUSS (<https://www.iusspavia.it/it/phd-sdc>) at the University of Pavia, in the master SSCC (<https://www.agr.unipi.it/master-in-sviluppo-sostenibilee-cambiamento-climatico/>) at the University of Pisa and taught in the master MAPROSS at University of L'Aquila (<https://www.univaq.it/section.php?id=1803&idmaster=288>)

He won a competitive grant within the special educational projects of the UNIPI with the “Mytimecare App” project, 2021 (<https://www.unipi.it/index.php/docenti2/item/20329-economia-e-management>)

Main Institutional Duties

2007-2011: Director of the B.A. degree in Regional and Environmental Economics (Economia del Territorio e dell'Ambiente) and M.Phil. degree in Regional sustainable development (Sviluppo e Gestione sostenibile del Territorio).

2011-12: Vicedirector of the B.A. in Peace Studies (University of Pisa)

Selected publications

2024, Luzzati, T., Mura, E., Pellegrini, L., Raugi, M., Salvati, N., Schito, E., ... & Zerbino, P. (2024). Are energy community members more flexible than individual prosumers? Evidence from a serious game. *Journal of Cleaner Production*, 444, 141114.

2023, Gatto, A., Luzzati, T., & Drago, C. (2023). Towards more robust energy policy metrics: Proposing a dashboard and blueprint to tackle complexity. *Energy Research & Social Science*, 99, 103066.

2023, Farley, J., Luzzati, T., In memoriam: Herman Daly (1938-2022). *Ecological Economics*, 107688

2023 Luzzati, T. “Kapp, Karl William”, *Elgar Encyclopedia of Ecological Economics*, 326-329

2022, Luzzati, T., Distefano, T., Ialenti, S., Andreoni V., 2022. The circular economy and longer product lifetime: framing the effects on working time and waste. *Journal of Cleaner Production*, 380, 134836.

2022, Luzzati, T., Tucci, I., & Guarnieri, P., 2022. Information overload and environmental degradation: learning from HA Simon and W. Wenders. *Ecological Economics*, 202, 107593.

2018 Luzzati, T., Orsini, M. and Gucciardi, G., 2018. A multiscale reassessment of the Environmental Kuznets Curve for energy and CO2 emissions. *Energy policy*, 122, pp.612-621.

2018 Luzzati, T., Parenti, A. and Rughi, T., 2018. Economic Growth and Cancer Incidence. *Ecological Economics*, 146, pp.381-396.

2015 Luzzati, T. and Gucciardi, G., A non-simplistic approach to composite indicators and rankings: an illustration by comparing the sustainability of the EU Countries. *Ecological economics*, 113, pp.25-38.

2015 Burgalassi, D. and Luzzati, T., 2015. Urban spatial structure and environmental emissions: A survey of the literature and some empirical evidence for Italian NUTS 3 regions. *Cities*, 49, pp.134-148.

2014, Luzzati, T., Cheli, B. and Arcuri, S., 2014. Measuring the sustainability performances of the Italian regions. Dipartimento di Economia e Management (DEM), University of Pisa, Pisa, Italy.

2012, Farrell K.N., van den Hove S., Luzzati T., "What lies beyond reductionism? Taking stock of inter-disciplinary research on ecological economics", in Farrell K.N., van den Hove S., Luzzati T., (eds.) *Beyond Reductionism: a passion for interdisciplinarity*, Routledge (ISBN: 978-0-415-47014-8).

2011, Floridi M., Pagni S., Falorni S., Luzzati T., An exercise in composite indicators construction: Assessing the sustainability of Italian regions, *Ecological Economics*, 70 (8), 1440-1447, ISSN 0921-8009.

2010, Luzzati T., "Economic Development, Environment and Society: Rediscovering Karl William Kapp", in J.R. McNeill, J. A. Pádua, and Rangarajan M. (eds), *As if Nature existed: environmental history and ecological economics*, Oxford University Press (pp. 248. ISBN: 9780198064480.)

2010, D'alessandro S., Luzzati T., Morroni M., "Energy transition towards economic and environmental sustainability: feasible paths and policy implications", *Journal of Cleaner Production* (8), 532–539.

2009, Luzzati T., "Human needs, sustainable development, and public policy: learning from K.W. Kapp (1910–1976)", in Salvadori N. and Opocher A. (eds.), *Long-run Growth, Social Institutions and Living Standards*, Edward Elgar, 306-322

2009, Luzzati T. Orsini M., "Natural Environment and Economic Growth: looking for the energy-EKC". *Energy* 34, 291–300

2003, Luzzati T., "Growth theory and the environment: how to include matter without making it really matter", in Salvadori N. (a cura di) *Economic Growth: A 'Classical' Perspective*, 332-344, E. Elgar

2001, Di Pascoli S., Femia A., Luzzati T. "Natural gas, cars and the environment. A (relatively)'clean' and cheap fuel looking for users" *Ecological Economics*, 38 (2), 179-189.

2000, Luzzati, T., "On the vacuity of the notion of efficiency in Economics", *Indian Journal of Applied Economics*, Special Issue on Micro-Macro in Honour of Prof. Samuelson, 8 (2), 143-159, June

1999, Luzzati T., "Economic Theory and Conformism", in Gallegati M. and Kirman A. (eds), *Beyond the Representative Agent*, Edward Elgar, 113-142

1999, Luzzati T. "A piece of evidence regarding the full rationality of economic agents", *Journal of Institutional and Theoretical Economics*, 155 (3), 567-572, September

The complete list of publications is available at <https://arpi.unipi.it/simple-search?query=luzzati+tommaso#.WgsuNSPhCCc>

Conferences

He regularly participates to conferences and gives invited lectures also to the general public. Here is a list of some of the academic conferences he attended and presented his research

- Ecological economics and development, II International Conference of the European Society for Ecological Economics, University of Geneva, Switzerland, 4-7 March 1998.
- Transitions Towards a Sustainable Europe: Ecology – Economy – Policy, III International Conference of the European Society for Ecological Economics, University of Vienna, 3-6 May 2000.
- Exploring Supplies, Constraints and Strategies, 3rd Biennial International Workshop "Advances in Energy Studies", Portovenere (SP), Italy, 23-27 May 2000.
- Frontiers I: Fundamental Issues of Ecological Economics, University of Cambridge, UK, 4-7 July 2001.
- Old and New Growth Theory: An Assessment, Pisa (Italy), 05-07 October 2001.
- 13th Annual EAEPE Conference 2001, Siena, Italy, 8-11 November 2001.
- Environment and Development, 7th Biennial Conference of the International Society for Ecological Economics, University of Sousse, Tunisia, 06-09 March 2002.

- European Applications in Ecological Economics, Frontiers II, Universidad de La Laguna, Tenerife, Spain 12 –15 February 2003.
- Science and Governance: The Ecological Economics Perspective, 6th International Conference of the European Society for Ecological Economics, ESEE 2005, New University of Lisbon (Portugal), 14-17 June 2005.
- Perspectives on Energy Future, 5th Biennial International Workshop Advances in Energy Studies, Porto Venere (SP), Italy, 12-16 September 2006.
- Ecological Sustainability and Human Well-Being, 9th Biennial Conference of International Society for Ecological Economics, New Delhi (India), 15-18 December 2006.
- Integrating Natural and Social Sciences for Sustainability, 7th International Conference of the European Society for Ecological Economics, ESEE 2007, UFZ – Centre for Environmental Research in Leipzig, Germany, 5-8 June 2007.
- Economic Degrowth for Ecological Sustainability and Social Equity, I International Conference, Paris, 18-19, April 2008.
- Transformation, innovation and adaptation for sustainability, 8th International Conference of the European Society for Ecological Economics, ESEE 2009, Ljubljana, Slovenia – 29 June – July 2009.
- From GDP to Well-Being: Economics on the Road to Sustainability, International conference, Università Politecnica delle Marche, 3-5 December 2009.
- Economic Degrowth for Ecological Sustainability and Social Equity, II International Conference, Barcelona, 27-30 April 2010.
- Advancing sustainability in a time of crisis, 11th Biannual conference of the International Society for Ecological Economics , Oldenburg and Bremen, Germany, 22 – 25 August 2010
- Advancing Ecological Economics: Theory and Practice, 9th International Conference of the European Society for Ecological Economic, ESEE 2011, Bogazici University, Istanbul, Turkey, 14-17 June, 2011.
- Ecological Economics and Institutional Dynamics, 10th International Conference of the European Society for Ecological Economic, ESEE 2013, Université Lille1, France, 18-21 June 2013.
- Well-being and Equity within Planetary Boundaries, 13th Biannual conference of the International Society for Ecological Economics, University of Iceland, Reykjavik, Iceland, 13-15 August 2014.
- Transformations, 11th International Conference of the European Society for Ecological Economic, ESEE 2015, University of Leeds, UK, 30 June – 3 July 2015.
- Dealing with complexity in society: from plurality of data to synthetic indicators, University of Padua, Italy, 17-18 September 2015.
- Transforming the Economy: Sustaining Food, Water, Energy and Justice, 14th Biennial conference of the International Society for Ecological Economics, University of the District of Columbia, Washington USA, 26-29 June 2016.
- Ecological Economics in action: building a reflective and inclusive community, 12th International Conference of the European Society for Ecological Economics 20-23 June 2017, Corvinus University of Budapest, Hungary
- Energy futures, environment and well-being, BIWAES 2017: Biennial International Workshop Advances in Energy Studies, Naples (Italy), 25-28 September 2017
- Co-creation. making Ecological Economics matter, 13th International Conference of the European Society for Ecological Economics, 18-21 June 2019, Turku University, Finland
- Invited as keynote speaker to the international conference “Ecological Economics and Ecological Civilization International Forum”, School of Economics of Peking University, Beijing, 15-16 November, 2019.

- “Will Achilles catch up with the tortoise? It’s high time for transformative action on sustainability”, XIV International Conference of the European Society for Ecological Economics (ESEE 2022), Pisa 14-17 June
- 63rd Annual Conference – Italian Economic Association, Torino, October 21/2022
- Guest speaker at Workshop “Ecological & environmental economics”, Dept. of Economics, Law & Society, 16/01/2023, ESSCA Paris campus
- Workshop on Behavioural Ecological Economics, Florence on July 10, 2023 (<https://ecologicaleconomicstuscany.ec.unipi.it/workshop/2023-2/>)
- Keynote speaker at VI Congreso Regional de Administración, Contabilidad y Economía, Encarnación Paraguay, August 25, 2023
- 9th International Degrowth Conference, Zagreb, August 28 – September 2, 2023
- MdM keynote Speaker series 2023, UAB – Barcelona September 18, 2023
<https://www.uab.cat/web/sala-depremsa-icta-uab/detall-activitat/mdm-keynote-speaker-series-2023-economy-vs-nature-an-unsolvable-conflictempirical-evidence-framed-within-the-doughnut-economics-approach-1345813172616.html?detid=1345895628394>
- 17th Biennial Conference of the International Society for Ecological Economics, Economies for life: Alliances for practicing ecological economics in a world in transition, Santa Marta and Bogotá, Colombia 23-28 November 2023
- Invited Seminar for the US Society for Ecological Economics, November 10, 2023
<https://www.ussee.org/our-blog/2023/11/05/nov-10-tommaso-luzzati-webinar/>
- 10th International Degrowth Conference and the 15th Conference of the European Society for Ecological Economics (ESEE), Pontevedra (Galicia, Spain); 18-21 June 2024.
- Development Beyond Growth – Global and Local Perspectives on Just Transitions, Bonn 6 and 7 November 2024. <https://www.idos-research.de/en/events/details/global-and-local-perspectives-on-just-transitions/>