

DARLINGTON AGBONIFI

CURRICULUM VITAE

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MAIN RESEARCH FIELDS

Economic Policy | Industrial Economics | International Trade and Investment | Environmental Economics | Urban and Regional Economics

EDUCATION AND TRAINING

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- 2019-2024 **Ph.D. candidate in Economics and Management** [*Thesis submitted, expected defence: September 2024*]
 University of Verona (Italy)
 Dissertation: Essays on Investments in Green Projects and Development Paradigm of Economic Growth and Environmental Sustainability.
 Advisors: Prof. Alessandro Buccioli and Prof. Emanuele Bracco
- 2018-2019 **Advanced Studies Program in International Economic Policy Research (ASP)**
 Kiel Institute for the World Economy - Institut für Weltwirtschaft (IfW) in Kiel, Germany
- 2016-2017 **II Level Specializing M.Sc. in Quantitative Risk Management (QRiM)**
 Alma Mater Studiorum - University of Bologna (Italy)
- 2013-2016 **M.Sc. in Economics and Finance – Curr. Banking and Finance**
 University of Padova (Italy)
- 2010-2013 **B.Sc. in International Economics**
 University of Padova (Italy)

SUMMER SCHOOLS

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- August 2023 **The Business Data Science & Tinbergen Institute (TI) in Amsterdam** (the Netherlands)
 Summer School on the Economics of Climate Change – 22-25 August 2023, in Amsterdam
- July 2023 **Roma Tre University, Department of Economics, Rome** (Italy)
 Centro Sraffa Summer School of Advanced Studies in the Reappraisal of Surplus Approach 17-22 July 2023

June-July 2023 **Barcelona School of Economics (BSE), Barcelona** (Spain)
Summer School on Development Economics and Evaluation of Development Policy

RESEARCH PAPERS

Investments in green projects and value-added GDP: an environmentally integrated multiregional SAM Approach (Job Market Paper) [\[Paper online\]](#)

Abstract: This paper presents an integrated methodology to simultaneously estimate the socioeconomic and environmental impacts of public-financed investments in green projects on the labor markets, value-added, and households induced consumption expenditures in a multiregional economy in equilibrium. I construct a novel dataset and then implement an environmentally integrated multiregional social accounting matrix (EI-MRSAM) modelling technique on the regional macroeconomic investment analyses for Italy. The results show that Lombardy's intra-regional investment impact on value-added (GDP) share accounts for almost 78%, while 22% accrues to the rest of Italy in terms of interregional value-added spillover effects through trade channels. The public investments impact on the regional and national economy decreases by around 10% of value-added after internalizing the environmental costs of climate change damages induced by industrial greenhouse gas (GHG) emissions. I then conduct a counterfactual ex-ante macro-policy evaluation of an endogenous increase by 25% of the baseline investments to each of thematic missions which represents the key areas of the public policy interventions. I find that the return-on-investment in digital and innovative public-administration as most efficient in terms of potential regional value-added growth compared to other counterfactual outcomes. The distributional impact on household's consumption expenditures and induced GHG emissions are also consistent with those of value-added.

The dynamic approach of modelling regional recovery investment policies using environmentally-extended SAM Matrix [\[Paper online\]](#)

Abstract: This paper analyzes the socioeconomic and environmental impacts of an exogenous public-financed increases in infrastructure investments and modernization projects (CIS) of around EUR 1097 billion for the 2021-2026 period on industrial outputs, household employment and income distribution, in the Italian province of Taranto using an environmentally extended Social Accounting Matrix (ESAM) techniques for the year 2015. The proposed method reconciles the analysis of the impact of an investment policy on a local economy, accompanied by an in-depth evaluation on the backward and forward intersectoral production linkages through trade and multiplier analysis, with the cost-benefit (CB) analysis of a large-scale investment project. The evaluation of the dynamic impacts on the local economy produces a benefit/cost ratio of 5.63 that increases to 7.88 when the CB analysis of the project, and therefore the revenues generated during the operational period, are also included. The inclusion of environmental externalities reduces by about 16% the benefit/cost ratio in the construction period. In the operational period, when we assume that green production technologies are adopted, the reduction of the ratio is more consistent. The distributive impact of the investments on households' income is also acceptably equitable. Further research is needed to measure to what extent the reduction in the incidence of pollution related pathologies during the operation period effectively improves the environmental quality and health status of the Taranto inhabitants.

Impact techniques of modelling next-gen infrastructure investment projects to redress regional disparities using multi-regional input-output model [\[Paper online\]](#)

Abstract: This paper estimates the socio-economic impact of infrastructure recovery investments and resilience plan related to the Institutional Development Contract (CIS) for the city of Taranto on different categories of households, labor markets (skilled and unskilled), and private enterprises in Italy. It does so by implementing a multi-regional input-output (MRIO) model with inter-regional trade at the level of Apulia region, to estimate the intra-regional impact, and, at the national level, to estimate the inter-regional and inter-sectoral supply chain linkages and spillover effects through trade. The intra-regional effects are almost two times the inter-regional effects. Almost 51% of the inter-regional impact on value-added accrues to northern regions, 22% at the centre, while about 27% is captured by the regions in southern Italy. This evidence clearly shows a good degree of connection of the Apulia local economy with the macro region of northern Italy, while it is quite weak with the macro south in Italy. The considerable share of inter-regional spillover effects in terms of value-added, which is transferred outside the southern macro-region, over 73% reflects the persisting regional disparities in Italy, where the productive northern-regions mostly benefit from the national development policies made in the most marginal areas in southern Italy.

POLICY PUBLICATIONS

Agbonifi, D. and Alatas, S, **The Lira Crisis: How Turkey and the G-20 Can Help Change the Nature of Global Problem-Solving** (February 1, 2019). Available at SSRN: [\[Paper online\]](#)

RESEARCH POSITIONS AND OTHER EMPLOYMENTS

Oct-Nov 2023	Aix-Marseille School of Economics (AMSE) in Marseille, France Visiting PhD Researcher – invited by Prof. Dr. Nicolas Clootens
April-June 2023	Hamburg Institute of International Economics (HWWI), Hamburg, Germany. Visiting PhD Researcher – invited by Prof. Dr. Michael Berlemann
2021- 2022	Teaching Tutor position in Political Economy - (undergraduate level) University of Verona, Italy
2017-2018	Junior Consultant Interm position – Credit Risk Analytics and Consultancy Division CRIF SpA, via M. Fantin 1-3 40131 Bologna, Italy

LANGUAGES AND SKILLS

Languages: English (*mother tongue*), Italian (*fluent*), German (*intermediate - currently learning*).

Software: R, Stata, GAMS, LaTeX. Microsoft Excel, Word, PowerPoint,

AWARDS AND SCHOLARSHIPS

- PhD. studies** Four-year PhD scholarship awarded by the Italian Ministry of Education and University, 2019-2023
- Research grant** Three-months scholarship for a visiting research position at Hamburg Institute of International Economics (HWWI), Hamburg, Germany awarded by the University of Verona (UNIVR). April-June 2023
- II M.Sc. degree:** Two-year scholarship awarded by the University of Bologna (UNIBO), 2017-2018
- B.Sc. degree:** Three-year scholarship awarded by the University of Padua (UNIPD), 2010-2013

CONFERENCES, SEMINARS, WORKSHOPS

PRESENTATIONS

- PhD Seminar, Aix-Marseille School of Economics (AMSE), France – invited guest speaker (Nov 21, 2023)
- Centro Sraffa Summer School, Roma Tre University, Rome Italy – invited young scholar guest speaker - July 17, 2023
- Barcelona School of Economics Summer School, Barcelona Spain – invited young scholar guest speaker - July 14, 2023
- Hamburg Institute of International Economics (HWWI), Hamburg, Germany - invited guest speaker - May 2, 2023
- Brown Bag Seminar series: Department of Economics - University of Verona - speaker - November 15, 2022
- PhD Seminar, Department of Economics - University of Verona - speaker – September 08, 2022
- PhD Seminar, Department of Economics - University of Verona - speaker - September 10, 2021

SEMINARS/WORKSHOPS/CONFERENCES

- Cities and the Environment Workshop, Paris School of Economics (PSE) in Paris, France - January 12th, 2024.
- PhD seminar, Aix-Marseille School of Economics (AMSE) in Marseille, France – October 2, 2023.
- WIDER Development Conference on the role of domestic revenue mobilization in development in Oslo Norway – Sep. 6-8, 2023.
- Tinbergen Institute (The Netherlands) seminar: “Scope, Scale and Concentration: The 21st Century Firm” - August 24th, 2023
- UNU-WIDER and the City of Helsinki joint Sustainable cities discussion forum - May 26, 2023
- Circular Economy Forum Hamburg - organized by (HWWI), Hamburg, Germany - May 25, 2023
- MSCA Postdoctoral Fellowships: Franco-Italian bilateral cooperation webinar – May 16th, 2022
- The FSR Climate Annual Conference 2022 – December 1-2, 2022

REFERENCES

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Declarations given in the present curriculum must be considered released according to art. 46 and 47 of DPR n. 445/2000.

Place and date: Verona, 10/05/2024