

PERSONAL INFORMATION **Marco Dueñas**

## WORK EXPERIENCE

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- Nov 2023 – Present **Senior Researcher**  
CLIMAFIN  
Paris, France
- Nov 2022 – Oct 2023 **Research Fellow**  
IMT Institute for Advanced Studies  
Lucca, Italy
- Jun 2022 – Dec 2022 **Research Fellow**  
CNRS-Université Paris 1 Pantéon-Sorbonne  
Centre d'Economie de la Sorbonne - UMR 8174  
Paris, France
- Jan 2016 – Jan 2022 **Full Professor**  
Universidad de Bogotá Jorge Tadeo Lozano  
Department of Economics and International Trade  
Bogotá, Colombia
- Jul 2013 – Dec 2015 **Associate Professor**  
Universidad de Bogotá Jorge Tadeo Lozano  
Department of Economics and International Trade  
Bogotá, Colombia
- Oct 2008 – Oct 2013 **Research Fellow**  
Sant'Anna School of Advanced Studies  
Institute of Economics  
Pisa, Italy
- The International-Trade Network: Models and Applications, (2012-2013)
  - Dynamics of business diversification and performances: theoretical models and empirical evidence, (2010-2012)

## EDUCATION AND TRAINING

- 2008 – 2013 **PhD – Thesis Title: “Complexity in the Global Economy: Three Essays”**  
Sant’Anna School of Advanced Studies, Pisa, Italy
- 2005 – 2007 **Master in Economics**  
Pontificia Universidad Javeriana, Bogotá, Colombia
- 1997 – 2004 **Bachelor in Physics**  
Universidad Nacional de Colombia, Bogotá, Colombia

## TECHNICAL ASSISTANCE

- Apr 2022 – May 2022 **Measuring innovation in the creative and cultural industries**  
Inter-American Development Bank (IDB), Washington D.C, United States of America
- Jun 2021 – Mar 2022 **The role of clusters for economic resilience. Evidence from Latin American Countries**  
Inter-American Development Bank (IDB), Washington D.C, United States of America
- Jul 2019 – Dec 2020 **Creative economy, innovation and economic development**  
Inter-American Development Bank (IDB), Washington D.C, United States of America
- Jul 2017 – Dec 2017 **Trade Policy, International Trade, and Productive Development: Intellectual Property Rights and International Trade**  
Ministry of Production, Argentina

## PERSONAL SKILLS

Mother tongue Spanish

Other languages

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	C2	C2	C2	C2	C2
Italian	C1	C1	B2	B1	B1
French	A2	A2	A2	A2	A2

Levels: A1 and A2: Basic user – B1 and B2: Independent user – C1 and C2: Proficient user  
[Common European Framework of Reference for Languages](#)

Computer skills – R, Python, C++, STATA, Mathematica, MATLAB, QGIS, Bash-Shell-Linux

## PUBLICATIONS

- [1] **Marco Dueñas** and Antoine Mandel. “The structure of global cultural networks: Evidence from the diffusion of music videos”. In: *PlosOne* 18.11 (2023), e0294149.
- [2] Mercedes Campi, **Marco Dueñas**, and Tommaso Ciarli. “Do creative industries enhance employment growth? Regional evidence from Colombia”. In: *Regional Studies* 0.0 (2023), pp. 1–17. eprint: <https://doi.org/10.1080/00343404.2023.2210620>. URL: <https://doi.org/10.1080/00343404.2023.2210620>.
- [3] Mercedes Campi, **Marco Dueñas**, and Giorgio Fagiolo. “Specialization in food production affects global food security and food systems sustainability”. In: *World Development* 141 (2021), p. 105411.

- [4] Mercedes Campi, Marco Duenas, and Giorgio Fagiolo. “How do countries specialize in agricultural production? A complex network analysis of the global agricultural product space”. In: *Environmental Research Letters* 15.12 (2020), p. 124006.
- [5] **Marco Dueñas**, Mercedes Campi, and Luis Olmos. “Changes in mobility and socioeconomic conditions during the COVID-19 outbreak”. In: *Humanities and Social Sciences Communications* 8.1 (2021), pp. 1–10.
- [6] Mercedes Campi and **Marco Dueñas**. “Volatility and economic growth in the twentieth century”. In: *Structural Change and Economic Dynamics* 53 (2020), pp. 330–343.
- [7] Mercedes Campi and **Marco Dueñas**. “Intellectual property rights, trade agreements, and international trade”. In: *Research Policy* 48.3 (2019), pp. 531–545.
- [8] Mercedes Campi, **Marco Dueñas**, Matteo Barigozzi, and Giorgio Fagiolo. “Intellectual property rights, imitation, and development. The effect on cross-border mergers and acquisitions”. In: *The Journal of International Trade & Economic Development* 28.2 (2019), pp. 230–256.
- [9] Matteo Bruno, Fabio Saracco, Tiziano Squartini, and **Marco Dueñas**. “Colombian export capabilities: building the firms-products network”. In: *Entropy* 20.10 (2018), p. 785.
- [10] **Marco Dueñas**, Rossana Mastrandrea, Matteo Barigozzi, and Giorgio Fagiolo. “Spatio-temporal patterns of the international merger and acquisition network”. In: *Scientific reports* 7.1 (2017), p. 10789.
- [11] Mercedes Campi and **Marco Dueñas**. “Intellectual property rights and international trade of agricultural products”. In: *World Development* 80 (2016), pp. 1–18.
- [12] **Marco Dueñas** and Giorgio Fagiolo. “Global trade imbalances: A network approach”. In: *Advances in Complex Systems* 17.03n04 (2014), p. 1450014.
- [13] **Marco Dueñas** and Giorgio Fagiolo. “Modeling the international-trade network: a gravity approach”. In: *Journal of Economic Interaction and Coordination* 8 (2013), pp. 155–178.