



# Luisa M. Mimmi

PUBLIC POLICY & DATA ANALYSIS

EU citizen (Italy) | Green card holder

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*I am an economist by training with demonstrated expertise designing and implementing diagnostic tools, advanced analytics and data visualizations applied to economic development. Most of my research revolves around different policies improving universal access to basic infrastructure services (housing, water and sanitation, energy, education and health). I am passionate about using data from different sources –including social media, GIS and satellite imagery– to understand and tackle complex public policy issues.*

## 📁 Professional Experience

### Italian Ministry of Economy & Finance

Rome, Italy

SR. ADVISOR (G20 TASK FORCE)

Feb 2020-Dec 2021

- Supported Italy's G20 Presidency (in 2021), in particular the Infrastructure Working Group
- Coordinated the resilience and maintenance workstream, which culminated in the endorsement of a "G20 Policy Agenda on Infrastructure Maintenance"

### Inter-American Development Bank

Washington DC, US

RESEARCH FELLOW (WATER DIVISION)

May 2018-Oct 2019

- Surveys and analysis of supply and demand of Water and Sanitation in Latin America
- Contributor to preparation of 2020 IADB flagship publication on Infrastructure "From Structures to Services: The Path to Better Infrastructure in Latin America and the Caribbean"

### World Bank Group

Washington DC, US

SENIOR M&E SPECIALIST (AT MULTILATERAL TRUST FUNDS)

Mar 2009-Apr 2019

- Pilot research integrating VHR satellite imagery and household survey data to estimate Slum Severity Index in slums
- Impact evaluations, quasi-experimental design, on 3 projects in India, Bangladesh and Uganda, testing innovative approaches to improve access to drinking water and electricity
- Comparative analysis of Results Based Financing in Water operations
- Design and management of M&E frameworks for multi-donor trust funds: WPP and GPOBA

### Inter-American Development Bank

Washington DC, US

POLICY ANALYST (SOCIAL PROTECTION & HEALTH DIV.)

Oct 2008-Feb 2009

- Social development project on education and vocational training in Fortaleza, Brazil
- Comparative policy paper on entrepreneurship promotion for the Social Protection & Health Unit (IADB)

### AVSI International NGO

Rio de Janeiro and Belo Horizonte,  
Brazil

SUMMER INTERN (SOCIAL INCLUSION AND EDUCATION)

Jun 2007-Aug 2007

- Social development project on education and vocational training in Fortaleza, Brazil
- Shared reporting system for AVSI's multi-city after-school programs in urban favelas

### Value Partners Management Consulting

Milan, Italy

BUSINESS INTELLIGENCE ANALYST

Oct 2001-Jun 2006

- Business intelligence analysis for several Italian clients and their domestic and international operations

## 💡 Other Professional Service

JOURNAL PEER REVIEWER

ongoing

- 'Energy Policy' & 'Journal of the Association of Environmental and Resource Economists'

FUNDRAISING DATA ANALYST (PRO BONO)

2017-2020

- New York Encounter No Profit

FOCAL POINT FOR WATER PRACTICE

2016

- 1st Geospatial Day (World Bank HQ, Nov 1, 2016)

PROGRAM DELEGATE

2012

- World Water Week conference (Stockholm, Sweden, Aug 26-31, 2012)

EXPERT MODERATOR AT IMPACT EVALUATION WORKSHOP

2011

- Professional training run by World Bank & SIEF (Dhaka, Bangladesh, Oct 2011)

## PERSONAL DATA SCIENCE BLOG

2018 - Present

- Side projects, R code, miscellaneous public policy articles

## BRAZIL WATER SUPPLIERS

2018/2019

- Analysis of water supply survey data in Brazil

## GREEN CARD PROCESSING TIME UNDER TRUMP

2019

- Short Article + Code

## NEW YORK ENCOUNTER'S FUNDRAISING IMPACT ANALYSIS

2019

- Presentation to NGO

## ANALYSIS OF JOB MIGRANTS AND CITIES' COMPETITIVENESS THROUGH LINKEDIN DATA

2018

- Presentation + Code

## ANALYSIS OF WDI INDICATOR "LIFE EXPECTANCY OVER TIME"

2018

- Short Article + Code

## Education

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### Georgetown University

Washington, DC

M.P.P. - INTERNATIONAL POLICY & DEVELOPMENT

2008

### Università di Pavia

Pavia, Italy

B.S. IN ECONOMICS & BUSINESS ADMINISTRATION

2001

### Universidad Autonoma de Madrid

Madrid, Spain

[EXCHANGE STUDENT - EU ECONOMICS]

1997-1998

## Academic Honors

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### "Ingenio" Research Funding Program: Visiting Scholar Dissertation Grant

LOMBARDIA REGION, ITALY

2007/2008

### Graduate Tuition Scholarship: "Ambassador of Goodwill" scholarship

ROTARY FOUNDATION INTERNATIONAL

2006/2007

### EU exchange Student Program: "Socrates-Erasmus" scholarship

EUROPEAN UNION (EU)

1997/98

## Software

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STATISTICS / DATABASES: [R, STATA, MS EXCEL, SQL SERVER, MS ACCESS, SALESFORCE]

GIS: [ARCGIS, QGIS, GEODA]

OTHER PROGRAMMING TOOLS (BASIC LEVEL): [GIT, GITHUB, UNIX SHELL, CSS, HTML, LATEX, MARKDOWN]

## Languages

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ITALIAN: [NATIVE]

ENGLISH: [FLUENT]

SPANISH: [FLUENT]

PORTUGUESE: [CONVERSATIONAL]

MULTILEVEL AND MIXED EFFECTS MODELS USING R (4 DAYS)	2021
• Statistical Horizons	
MACHINE LEARNING WITH R (7 WEEKS)	2019
• IADB	
HOUSEHOLD SURVEYS IN THE POST-2015 DEVELOPMENT AGENDA (2 DAYS)	2018
• World Bank	
EVALUATING SOCIAL PROGRAMS (4 WEEKS)	2017
• MIT-JPAL (on EdX)	
MANAGING BIG DATA WITH MYSQL (5 WEEKS)	2017
• Duke (on Coursera)	
THE ANALYTICS EDGE (9 WEEKS)	2016
• MIT-JPAL (on EdX)	
FUNDAMENTALS OF GIS (4 WEEKS)	2016
• UC-Davis (on Coursera)	
SQL BOOTCAMP (1 DAY)	2016
• General Assembly	
DATA ANALYSIS AND STATISTICAL INFERENCE (10 WEEKS)	2015
• Duke (on Coursera)	

## Talks

- Mimmi, L. M. (2021, November). *Infrastructure maintenance among G20 top priorities* [Lesson]. WBG MOOC on “QII and green, resilient and inclusive development,” online. <https://learning.edx.org/course/course-v1:WBGx+IQI01x+1T2022/home>
- Mimmi, L. M. (2021, October 27). *Building a more resilient future: Quality Infrastructure for all - [Session on “Resilient infrastructure for the recovery”]* [Invited Talk]. BREAKOUT SESSION 2: Resilient infrastructure for the recovery, online. <https://oecd-events.org/ipp-week-2021/session/8aa37da8-8a26-ec11-ae72-c896658c7478>
- Mimmi, L. M. (2021, October 6). *Remarks on the IWG’s work under the Italian Presidency* [Invited Talk]. C20 Summit - Reclaiming sustainable infrastructure as a public good, online.
- Mimmi, L. M. (2020, December 15). *High-level Seminar on Quality Infrastructure Investment* [Invited Talk]. High-level Seminar on Quality Infrastructure Investment, online.
- Mimmi, L. M. (2020, June 25–26). *Integrating multi-dimensional data for inclusive and sustainable development of urban slums* [Invited Talk]. XVIII MEEW workshop 25-26 June 2020, Milano (online).
- Mimmi, L. M., Beuchod, E. E., Samoncini, B., & Taddei, A. (2020, May 25). *Potenziali priorità per la Presidenza Italiana G20 nell’area tematica Infrastrutture* [Presentation]. Presentation at MEF, Rome.
- Mimmi, L. M. (2018, September 5–6). *The Regulation of Public Utilities of the Future in Latin America and the Caribbean - Water and Sewerage Sector* [Presentation]. “Red De Centros” 1st seminar, Inter-American Development Bank.
- Mimmi, L. M., & Borja-Vega, C. (2017, September 14). *Integrating multi-dimensional data for inclusive and sustainable development of urban slums - Preliminary findings from Dhaka pilot (Phase I)* [Presentation].
- Mimmi, L. M. (2015, May 27). *WPP database design* [Presentation]. WB program meeting, Washington, D.C.
- Mimmi, L. M. (2012, April 11). *Sampling, WTP and demand assessment: Findings from a household survey in 3 urban slums of Mumbai* [Presentation]. WB program meeting, Washington, D.C.
- Mimmi, L. M. (2011, April 18–19). *OBA Approach: Core principles and a case of rural electrification* [Presentation]. EnergyLab, Milano, Italy.
- Mimmi, L. M., & Mugabi, J. (2011, January 26). *OBAdata website launch* [Presentation].
- Mimmi, L. M. (2009, March 17). *Youth employment and entrepreneurship programs: A review of 8 best practices* [Presentation]. IDB division meeting, Washington, D.C.

[See detailed list on [my Google Scholar Profile](#)]

### PEER-REVIEWED ARTICLES & TECHNICAL REPORTS

1. Patel, A., Borja-Vega, C., Mimmi, L. M., Soukup, T., & Kolomaznik, J. (2022). Predicting Housing Deprivation from Space in the Slums of Dhaka (Forthcoming). *Environment and Planning B: Urban Analytics and City Science*.
2. Mimmi, L. M. (2022). *Italy in front of the challenge of infrastructure maintenance: Existing issues and promising responses (Under Review)*. 33.
3. Mimmi, L. M., Beuchod, E. E., Samoncini, B., & Taddei, A. (2020). *Priorities and major challenges for Italy's G20 Presidency in 2021 in the Infrastructure Working Group [Background Paper]*. Rome.
4. Mimmi, L. M., Borja-Vega, C., Patel, A., Bhan, T., Mundt, M., Lee, H. J., Soukup, T., & Kolomaznik, J. (2017). *Predicting Deprivations in Housing and Basic Services from Space A Pilot Study in Slums of Dhaka, Bangladesh [Working Paper]*. World Bank. [https://www.researchgate.net/publication/325090468\\_Predicting\\_Deprivations\\_in\\_Housing\\_and\\_Basic\\_Services\\_from\\_Space\\_A\\_Pilot\\_Study\\_in\\_Slums\\_of\\_Dhaka\\_Bangladesh](https://www.researchgate.net/publication/325090468_Predicting_Deprivations_in_Housing_and_Basic_Services_from_Space_A_Pilot_Study_in_Slums_of_Dhaka_Bangladesh)
5. Mimmi, L. M. (2014). From informal to authorized electricity service in urban slums: Findings from a household level survey in Mumbai [Peer-reviewed]. *Energy for Sustainable Development*, 21, 66–80. <https://doi.org/10.1016/j.esd.2014.05.008>
6. Rodriguez, D., Suardi, M., Ham, M., Mimmi, L. M., & Goksu, A. (2014). *Applying Results-Based Financing in Water Investments [Working Paper]*. World Bank. <http://documents.worldbank.org/curated/en/862681468326999086/Applying-results-based-financing-in-water-investments>
7. Mimmi, L. M. (2012). *Assessing the demand for improved electricity in urban slums: Findings from a baseline households-level survey in Mumbai [Working Paper]*. World Bank - GPOBA. [https://www.researchgate.net/publication/319839905\\_Assessing\\_the\\_demand\\_for\\_improved\\_electricity\\_in\\_urban\\_slums\\_findings\\_from\\_a\\_baseline\\_household\\_Survey\\_in\\_Mumbai](https://www.researchgate.net/publication/319839905_Assessing_the_demand_for_improved_electricity_in_urban_slums_findings_from_a_baseline_household_Survey_in_Mumbai)
8. Mimmi, L. M. (2012). *Should we re-evaluate what to evaluate (and how)?* (Policy Brief No. 83174; GPOBA Evaluation Notes, p. 7). World Bank - GPOBA. <https://documents.worldbank.org/en/publication/documents-reports/documentdetail/252381468317944978/should-we-re-evaluate-what-to-evaluate-and-how>
9. Mimmi, L. M., & Ecer, S. (2010). An econometric study of illegal electricity connections in the urban favelas of Belo Horizonte, Brazil [Peer-reviewed]. *Energy Policy*, 38(9), 5081–5097. <https://doi.org/10.1016/j.enpol.2010.04.037>
10. Mimmi, L. M. (2009). *Youth Employment and Entrepreneurship Programs: A Review of Eight Best Practices [Working Paper]*. Inter-American Development Bank. [https://www.researchgate.net/publication/320044319\\_Youth\\_Employment\\_and\\_Entrepreneurship\\_Programs\\_A\\_Review\\_of\\_Eight\\_Best\\_Practices](https://www.researchgate.net/publication/320044319_Youth_Employment_and_Entrepreneurship_Programs_A_Review_of_Eight_Best_Practices)

### OTHER MEDIA

1. Mimmi, L. M. (2021, September). *Infrastructure maintenance: Among G20 top priorities* [World Bank Blog]. Getting Infrastructure Finance Right. <https://blogs.worldbank.org/ppps/infrastructure-maintenance-among-g20-top-priorities>
2. Mimmi, L. M., & Machado, F. (2019, January). *Technological disruption: A look into the future innovation in water and sanitation* [IDB blog]. Volvamos a la fuente. <https://blogs.iadb.org/agua/en/technological-disruption-a-look-into-the-future-innovation-in-water-and-sanitation/>
3. Mimmi, L. M., Borja-Vega, C., & Patel, A. (2017, November). *Predicting slum dwellers' deprivations from space: A pilot study on Dhaka* [World Bank Blog]. The Water Blog. <https://blogs.worldbank.org/water/predicting-slum-dwellers-deprivations-space-pilot-study-dhaka>
4. Mimmi, L. M. (2016, November). *Open spatial data for resilience in Tanzania: Lessons learned from "Dar Ramani Huria"* [Personal Blog]. <https://lulliter.com/>. <https://lulliter.com/posts/2016-11-15-ramani-huria/>

5. Mimmi, L. M. (2009, February). *Sussidiarieta' e sviluppo: l'elettricità nelle favelas dell'America Latina* [Personal Blog].  
2009-02-21-2009-02-21-sussidiar/ <https://lulliter.com/>. <https://lulliter.com/posts/>