

Luisa M. Mimmi

PUBLIC POLICY & DATA ANALYSIS



Born 26/11/1975 | EU citizen (Italy) | Green card holder

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PROFILE: Accomplished policy advisor with a strong background in statistics and econometrics applied to economic development. In over 15 years of experience, in Italy and abroad, I have evaluated the feasibility and impact of policies and financial instruments promoting inclusive and sustainable access to infrastructure services (housing, mobility, water and sanitation, energy, education and health).

GOAL: I am currently pursuing opportunities to apply my policy analysis and project management skills towards the implementation and evaluation of national & EU Structural and Investment Funds (PNRR, Next Generation EU, ERDF, ESF, CF, Horizon, etc).

Professional Experience

Freelance Consulting

POLICY ANALYST & DATA SCIENTIST

Pavia, Italy

Jan 2022-Present

- Currently advising the Italian Ministry of Finance on resilient infrastructure policies
- Redacted 1 peer-reviewed article

Italian Ministry of Economy & Finance

Rome, Italy

SR. ECONOMIC ADVISOR (G20 TASK FORCE)

Feb 2020-Dec 2021

- Contributed to the Infrastructure Working Group (IWG) during Italy's G20 Presidency in 2021
- Coordinated 3 junior resources and the infrastructure resilience and maintenance workstream
- Drafted the 'G20 Policy Agenda on Infrastructure Maintenance' endorsed by Finance Ministers

CSIL

Milan, Italy

ADVISOR FOR EU FUNDING PROPOSAL

Feb 2020- 2020

- Advised on tender for research project on 'EU Lagging Regions: state of play and future challenges' funded by the EU
- Contributed to preparation of technical and financial proposal to the European Parliament's Committee on Regional Development (REGI)

Inter-American Development Bank

Washington DC, US

RESEARCH FELLOW (WATER DIVISION)

May 2018-Jan 2019

- Conducted surveys and analyses of supply and demand of Water and Sanitation in Latin America
- Supervised consulting team running field surveys in Brazil and Mexico
- Contributed to 2020 IADB flagship publication on Infrastructure 'From Structures to Services: The Path to Better Infrastructure in Latin America and the Caribbean'

World Bank

Washington DC, US

SENIOR M&E SPECIALIST (AT MULTILATERAL TRUST FUNDS)

Mar 2009-Apr 2018

- Designed and managed M&E frameworks for 2 multi-donor trust funds: WPP and GPOBA
- Conducted feasibility and impact evaluation studies focused on infrastructure poverty dimensions in rural and urban areas of Mumbai (India), Nairobi (Kenya), Kampala (Uganda), and Dhaka (Bangladesh)
- Redacted 3 peer-reviewed publications, including pilot research on integrating satellite imagery and household survey data to estimate Slum Severity Index in Dhaka

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
- Presented comparative policy paper on entrepreneurship promotion to Division

AVSI International NGO

Rio and Belo Horizonte, Brazil

SUMMER INTERN (SOCIAL INCLUSION AND EDUCATION)

Jun 2007-Aug 2007

- Initiated empirical study of slum electrification project 'Conviver' (Belo Horizonte)
- Advised on data sharing among AVSI inter-city educational interventions in urban 'favelas'

Value Partners Management Consulting

Milan, Italy

BUSINESS INTELLIGENCE ANALYST

Oct 2001-Jun 2006

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

Education

Georgetown University

M.P.P. IN INTERNATIONAL POLICY & DEVELOPMENT (2 YR)

Washington DC, USA

May 2008

Università di Pavia

B.Sc. IN ECONOMICS & BUSINESS ADMINISTRATION (4 YR)

Pavia, Italy

Apr 2001

Universidad Autonoma de Madrid

[ERASMUS EXCHANGE STUDENT] (1 YR)

Madrid, Spain

Jul 1998

Liceo Scientifico T. Olivelli

SCIENTIFIC HIGH SCHOOL DIPLOMA (5 YR)

Pavia, Italy

Jun 1994

Professional Skills

Analytical Skills: Outstanding critical, 'out-of-the-box' thinking, problem solving and data analysis skills, acquired serving international development programs

Organization Skills: Demonstrated creativity, resourcefulness and teamwork skills in leading complex and multi-partner projects

Communication Skills: Effective interpersonal and communication skills, proven by record of multilingual publications and public speaking

Software

| Office Suite | Statistics/Databases | GIS | Other |
|---|--|------------------------------------|---|
| <i>(Expert)</i> | <i>(Expert)</i> | <i>(Basic)</i> | <i>(Basic)</i> |
| MS Office, iWork Suite, Google Suite, LibreOffice | R, RStudio, Stata, SQL, Salesforce, MS Excel | ArcGIS, QGIS, GeoDa, OpenStreetMap | Git, Github, Unix Shell, CSS, HTML, LaTeX, Markdown |

Languages

| Skill | Italian | English | Spanish | Portuguese |
|-----------|---------|---------|---------|------------|
| Reading | Native | C2 | C2 | B2 |
| Writing | Native | C2 | C1 | A1 |
| Listening | Native | C2 | C2 | B2 |
| Speaking | Native | C2 | C2 | B2 |

Common European Framework of Reference for Languages: A1/A2: Basic User. B1/B2: Independent User. C1/C2: Proficient User

Honors & Awards

Selected within Earth Observation for Sustainable Development (EO4SD) program

WORLD BANK & ESA

2017/2020

"Ingenio" Research Funding Program

LOMBARDIA REGION, ITALY

2007/2008

"Ambassador of Goodwill" scholarship

ROTARY FOUNDATION INTERNATIONAL

2006/2007

"Socrates-Erasmus" scholarship

EUROPEAN UNION (EU)

1997/1998

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| LINKEDIN LEARNING – GIT ESSENTIAL TRAINING (3 HOURS) | 2022 |
| • Certificate | |
| STATISTICAL HORIZONS – MULTILEVEL AND MIXED EFFECTS MODELS USING R (4 DAYS) | 2021 |
| IADB – MACHINE LEARNING WITH R (7 WEEKS) | 2019 |
| WORLD BANK – HOUSEHOLD SURVEYS IN THE POST-2015 DEVELOPMENT AGENDA (2 DAYS) | 2018 |
| MIT-JPAL (ON EDX) – EVALUATING SOCIAL PROGRAMS (4 WEEKS) | 2017 |
| DUKE (ON COURSERA) – MANAGING BIG DATA WITH MYSQL (5 WEEKS) | 2017 |
| • Certificate | |
| MIT-JPAL (ON EDX) – THE ANALYTICS EDGE (9 WEEKS) | 2016 |
| UC-DAVIS (ON COURSERA) – FUNDAMENTALS OF GIS (4 WEEKS) | 2016 |
| • Certificate | |
| IRES (KENYA) – GIS ANALYSIS FOR WASH PROGRAMS (5 DAYS) | 2016 |
| GENERAL ASSEMBLY – SQL BOOTCAMP (1 DAY) | 2016 |
| DUKE (ON COURSERA) – DATA ANALYSIS AND STATISTICAL INFERENCE (10 WEEKS) | 2015 |
| JOHNS HOPKINS (ON COURSERA) – THE DATA SCIENTIST TOOLBOX (4 WEEKS) | 2014 |
| • Certificate | |

Other Professional Service

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| REVIEWER FOR ACADEMIC JOURNALS | Ongoing |
| • 'Energy Policy' & 'Journal of the Association of Environmental and Resource Economists' | |
| FUNDRAISING DATA ANALYST (PRO BONO) | 2017-2020 |
| • Advised 'New York Encounter' No Profit on fundraising outreach strategy | |
| CONFERENCE MODERATOR FOR INTER-AMERICAN DEVELOPMENT BANK - WATER DIV. | Sep 2018 |
| • Conference on: 'The Regulation of Public Utilities of the Future in Latin America and the Caribbean' (5/6 Sep 2018) | |
| FOCAL POINT FOR WORLD BANK WATER PRACTICE | Nov 2016 |
| • Supported preparation of 1st World Bank Geospatial Day (WB HQ, Nov 1, 2016) | |
| DELEGATE FOR WATER PARTNERSHIP PROGRAM | Aug 2012 |
| • World Water Week conference (Stockholm, Sweden, Aug 26-31, 2012) | |
| TEACHING ASSISTANT OF ECONOMETRICS | Oct 2011 |
| • Professional Workshop run by World Bank & SIEF (Dhaka, Bangladesh, 9-13 Oct 2011) | |

Data Science Projects

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| NLP STUDY APPLIED TO POLICY MAKING | 2022 - Present |
| • (Ongoing) What is the influence of slogans on policy making? | |
| PERSONAL DATA SCIENCE BLOG | 2018 - Present |
| • Side projects, R code, miscellaneous public policy articles | |
| EMPIRICAL STUDY ON BRAZIL WATER SUPPLIERS | 2018/2019 |
| • Analysis of original data from water supply survey in Brazil | |
| ANALYSIS OF PUBLIC US IMMIGRATION DATA | 2019 |
| • Brief study on green cards' processing times in the US | |
| FUNDRAISING DATA ANALYSIS | 2019 |
| • Impact analysis on New York Encounter's (NGO) fundraising outreach | |
| ANALYSIS OF LINKEDIN DATA | 2018 |
| • Analysis of job migrants and cities' competitiveness through LinkedIn data | |
| ANALYSIS OF WORLD BANK WDI DATA | 2018 |
| • Analysis of World Bank's WDI indicator 'Life Expectancy' | |

PEER-REVIEWED ARTICLES

Patel, A., Borja-Vega, C., Mimmi, L. M., Soukup, T., & Kolomaznik, J. (2022). Predicting Housing Deprivation from Space in the Slums of Dhaka. *Environment and Planning B: Urban Analytics and City Science*. <https://doi.org/10.1177/239980832211235>

Mimmi, L. M. (2014). From informal to authorized electricity service in urban slums: Findings from a household level survey in Mumbai. *Energy for Sustainable Development*, 21, 66–80. <https://doi.org/10.1016/j.esd.2014.05.008>

Mimmi, L. M., & Ecer, S. (2010). An econometric study of illegal electricity connections in the urban favelas of Belo Horizonte, Brazil. *Energy Policy*, 38(9), 5081–5097. <https://doi.org/10.1016/j.enpol.2010.04.037>

TECHNICAL REPORTS

Mimmi, L. M. (2022). Italy in front of the challenge of infrastructure maintenance: Existing issues and promising responses. (*Under Review*), 33. Retrieved from https://www.researchgate.net/publication/363851925_Italy_in_front_of_the_challenge_of_infrastructure_maintenance_existing_issues_and_promising_responses_Challenges_of_infrastructure_maintenance

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*. Rome.

Mimmi, L. M., Borja-Vega, C., Patel, A., Bhan, T., Mundt, M., Lee, H. J., ... Kolomaznik, J. (2017). *Predicting Deprivations in Housing and Basic Services from Space A Pilot Study in Slums of Dhaka, Bangladesh*. Retrieved from World Bank website: https://www.researchgate.net/publication/325090468_Predicting_Deprivations_in_Housing_and_Basic_Services_from_Space_A_Pilot_Study_in_Slums_of_Dhaka_Bangladesh

Rodriguez, D., Suardi, M., Ham, M., Mimmi, L. M., & Goksu, A. (2014). *Applying Results-Based Financing in Water Investments*. Retrieved from World Bank website: <http://documents.worldbank.org/curated/en/862681468326999086Applying-results-based-financing-in-water-investments>

Mimmi, L. M. (2012). *Assessing the demand for improved electricity in urban slums: Findings from a baseline households-level survey in Mumbai*. Retrieved from World Bank - GPOBA website: https://www.researchgate.net/publication/319839905_Assessing_the_demand_for_improved_electricity_in_urban_slums_findings_from_a_baseline_household_Survey_in_Mumbai

Mimmi, L. M. (2012). *Should we re-evaluate what to evaluate (and how)?* (No. 83174; p. 7). Retrieved from World Bank - GPOBA website: <https://documents.worldbank.org/en/publication/documents-reports/documentdetail/252381468317944978/should-we-re-evaluate-what-to-evaluate-and-how>

Mimmi, L. M. (2009). *Youth Employment and Entrepreneurship Programs: A Review of Eight Best Practices*. Retrieved from Inter-American Development Bank website: https://www.researchgate.net/publication/320044319_Youth_Employment_and_Entrepreneurship_Programs_A_Review_of_Eight_Best_Practices

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

OTHER DIVULGATIVE MEDIA

Mimmi, L. M. (2021, September). Infrastructure maintenance: Among G20 top priorities. Retrieved October 18, 2021, from <https://blogs.worldbank.org/ppps/infrastructure-maintenance-among-g20-top-priorities>

Mimmi, L. M., & Machado, F. (2019, January). Technological disruption: A look into the future innovation in water and sanitation. Retrieved June 16, 2019, from <https://blogs.iadb.org/agua/en/technological-disruption-a-look>

Mimmi, L. M., Borja-Vega, C., & Patel, A. (2017, November). Predicting slum dwellers' deprivations from space: A pilot study on Dhaka. Retrieved from <https://blogs.worldbank.org/water/predicting-slum-dwellers-deprivations>

Mimmi, L. M. (2016, November). Open spatial data for resilience in Tanzania: Lessons learned from “Dar Ramani Huria.” Retrieved from <https://lulliter.com/posts/2016-11-15-ramani-huria/>

Mimmi, L. M. (2009, February). Sussidiarietà e sviluppo: l'elettricità nelle favelas dell'America Latina. Retrieved from <https://lulliter.com/posts/2009-02-21-2009-02-21-sussidiar/>

Mimmi, L. M. (2021, October). *Remarks on the IWG's work under the Italian Presidency*. Presented at the C20 Summit - Reclaiming sustainable infrastructure as a public good, online.

Mimmi, L. M. (2021, October). *Building a more resilient future: Quality Infrastructure for all - [Session on "Resilient infrastructure for the recovery"]*. Presented at the BREAKOUT SESSION 2: Resilient infrastructure for the recovery, online. Retrieved from <https://oecd-events.org/ipp-week-2021/session/8aa37da8-8a26-ec11-ae72-c896658c747>

Mimmi, L. M. (2021, November). *Infrastructure maintenance among G20 top priorities*. Presented at the WBG MOOC on "QII and green, resilient and inclusive development," online. Retrieved from <https://learning.edx.org/course/course-v1:WBGx+IQI01x+1T2022/home>

Mimmi, L. M., Beuchod, E. E., Samoncini, B., & Taddei, A. (2020, May). *Potenziali priorità per la Presidenza Italiana G20 nell'area tematica Infrastrutture*. Presented at the Presentation at MEF, Rome.

Mimmi, L. M. (2020, June). *Integrating multi-dimensional data for inclusive and sustainable development of urban slums*. Presented at the XVIII MEEW workshop 25-26 June 2020, Milano (online).

Mimmi, L. M. (2020, December). *High-level Seminar on Quality Infrastructure Investment*. Presented at the High-level Seminar on Quality Infrastructure Investment, online.

Mimmi, L. M. (2018, September). *The Regulation of Public Utilities of the Future in Latin America and the Caribbean - Water and Sewerage Sector*. Presented at the "Red De Centros" 1st seminar, Inter-American Development Bank.

Mimmi, L. M., & Borja-Vega, C. (2017, September). *Integrating multi-dimensional data for inclusive and sustainable development of urban slums - Preliminary findings from Dhaka pilot (Phase I)*. Presented at the Washington, D.C.

Mimmi, L. M. (2015, May). *WPP database design*. Presented at the WB program meeting, Washington, D.C.

Mimmi, L. M. (2012, April). *Sampling, WTP and demand assessment: Findings from a household survey in 3 urban slums of Mumbai*. Presented at the WB program meeting, Washington, D.C.

Mimmi, L. M., & Mugabi, J. (2011, January). *OBAdata website launch*. Presented at the Washington, D.C.

Mimmi, L. M. (2011, April). *OBA Approach: Core principles and a case of rural electrification*. Presented at the EnergyLab, Milano, Italy.

Mimmi, L. M. (2009, March). *Youth employment and entrepreneurship programs: A review of 8 best practices*. Presented at the IDB division meeting, Washington, D.C.