

VALENTINA ZUIN

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EDUCATION

Stanford University Stanford, CA, USA
PhD, Emmett Interdisciplinary Graduate Program in Environment and Resources, 2008-2014.

Areas of focus: international development and regional planning, and economic and health impact of water and sanitation improvements. Dissertation title: Improving Water Services for Unconnected Urban Households in Sub-Saharan Africa: Preferences and Options in Maputo, Mozambique

Massachusetts Institute of Technology (MIT) Cambridge MA, USA
Master in City Planning, International Development and Regional Planning Group, 2003-2005.

Awarded the American Planning Association Outstanding Student Award. Thesis title: All that Glitters is not Gold: Unexpected lessons from a Slum Upgrading Program in Brazil.

Bocconi University Milan, Italy
Laurea in Public Administration and International Institutions Management, 2002.

RESEARCH AND TEACHING INTERESTS

Urban planning in Developing Countries, International Development, Water and Sanitation Planning and Policies, Slum Upgrading, Poverty, Targeting the Poor, Participatory Approaches, Informality, Inclusive, Healthy and Sustainable Cities in Developing Countries.

GRANTS, FELLOWSHIPS, AND AWARDS

The World Bank, Poverty and Social Impact Trust Fund (2012): USD 125,000 to conduct research in Maputo, Mozambique.

Outstanding Mentorship Certificate, Stanford University (2012): for mentorship of undergraduate and graduate students.

Stanford University, Woods Institute for the Environment (2009 and 2011): USD 125,000 to conduct research in Maputo Mozambique.

Water and Sanitation for the Urban Poor NGO, (2011): USD 35,000 to conduct research in Maputo, Mozambique.

Stanford University Interdisciplinary Graduate Fellowship, July 2011-June 2014. Full tuition and stipend, including professional development funds for 3 years.

Stanford University, Ewing York Family Graduate Fellowship, Sept 2008-July 2011. Full tuition and stipend for 3 years.

IDEAS Competition (Innovation, Development, Entrepreneurship, Action, Sustainability) **MIT,** (2005) for the Mozambique Environmental and Sanitation Initiative: Participatory Urban Marketing for Sanitation Improvement.

American Planning Association Outstanding Student Award, year 2004/2005. Awarded by American Planning Association and the Department of Urban Studies and Planning at the Massachusetts Institute of Technology, June 2005.

PUBLICATIONS

Brown, J., Cumming, O., Bartram, J., Cairncross, S., Ensink, J., Holcomb, D., Knee, J., Kolsky, P., Liang, K., Nala, R., Norman, G., Rheingans, R., Stewart, J., Zavale, O., **Zuin, V.**, Peter Schmidt, W. (2015). *A controlled, before-and-after trial of an urban sanitation intervention to reduce enteric infections in children: research protocol for the Maput Sanitation (MapSan) study, Mozambique*. *BJM open*. Vol. 5, Issue 6.

Zuin, V., Ortolano, L., Davis J. (2014). *The entrepreneurship myth of small-scale service provision: water resale in Maputo, Mozambique*. *Journal of Water, Sanitation and Hygiene for Development*. Vol. 4, No 2, pp 281–292.

Zuin V. (2012). *All that Glitters is not Gold: Unexpected Lessons for a Slum Upgrading Program in Brasil*. Lambert Academic Publishing.

Zuin, V., Ortolano, L., Alvarinho, M., Russel K., Thebo, A., Muximpua O., Davis J. (2011). *Water supply services for Africa's urban poor: The role of resale*. *Journal of Water and Health*, Vol.9, No 4, pp. 773-784.

Zuin, V. (2004). *Business Strategies of Informal Micro-entrepreneurs in Lima, Peru*. Discussion Paper 150, Decent Work Program, International Institute for Labour Studies, ILO, Geneva. Retrieved October 2012, from <http://www.ilo.org/public/english/bureau/inst/publications/discussion/dp15004.pdf>

POLICY REPORTS

Zuin, V., Nicholson, M., and Davis J. (2013). *Water Access, Poverty, and Policy Changes in Peri-Urban Maputo, Mozambique*.

Zuin, V., Nicholson, M., and Davis J. (2013). *Water Access, Service Quality, and Consumer Satisfaction in Peri-urban Maputo: a beneficiary assessment*.

PAPERS IN PROGRESS

Zuin, V. *Incremental participatory approaches to rural sanitation: where theory meets practice*.

Zuin, V. Nicholson, M., and Davis J. *Modelling unconnected households' choice among different sources: the role of novel attributes of a water service*.

Zuin V. and J. Davis. *Understanding heterogeneous preferences for water supply services among the urban poor: the experience of Maputo*.

RESEARCH and PROFESSIONAL EXPERIENCE

Yale-NUS

Singapore

Post-Doctoral Fellow, Urban Studies, July 2017-current

- Teaching: Research Methods in the Social Science, Introduction to Urban Studies (some classes), Cities of the Global South, and Water and Waste in Urban Environments
- Research: Development of a proposal for my future research focused on inclusive and healthy cities in developing country settings
- Service: Mentoring of Urban Studies and Environmental Studies capstone students, and support to the Environment Capstone Studio class

Aquaya Institute

Singapore

Academic Collaborator, April 2017-current

- Preparing a peer-reviewed publication that critically reviews the literature on community based total sanitation and its effectiveness in sustainably increasing sanitation coverage in rural areas in the context of the USAID funded project Water, Sanitation, and Hygiene Partnerships and Learning for Sustainability
- Co-Developing a proposal for a USD 1 million research effort on community based total sanitation in rural Africa to be funded by USAID
- Analysing qualitative data collected by the Aquaya team in rural Kenya to understand households' motivations for limited investments in sanitation and preparation of a report on the findings

Ashoka University

New Delhi, India

Assistant Professor of Environmental Studies January 2016-December 2016

- Teaching: International Development, Poverty, and the Environment; Water, Sanitation, Health and Development; Introduction to Sustainable Development; Field Research Methods. The methods class received the best evaluation (4.95/5) among all classes taught at Ashoka University in the spring semester of 2016.
 - Research: Designed formative research in a number of slums in Pune, India. The project focuses on understanding households' preferences and behaviour with respect to sanitation.
 - Service: Environmental Studies Coordinator; lead the development of a proposal for a new Centre at Ashoka, called for Sustainable Futures and Equity; successfully lobbied to incorporate an environmental studies class in the proposed revision of the common curriculum; and provided inputs for the design and implementation of the Environmental Studies and Sociology curricula.
- Lecturer** – August-December 2015
- Teaching: Water, Sanitation, Health and Development class

Stanford University, Maputo Water Resale Project

Maputo, Mozambique

Co-principal Investigator, from 2010 to 2014

- Designed longitudinal study involving 1400 households in 6 neighborhoods in peri-urban Maputo.
- Raised a total of USD 290,000 from Stanford University, The World Bank, and an international NGO
- Trained and supervised a team of 45 enumerators (students from local university) and 40 neighborhood guides.
- Supervised 15 Stanford Students involved in the research at various stages.
- Managed field team on the ground on a daily basis, and performed quality control of the data collection efforts.
- Conducted 6 months of ethnographic work in households, focus group discussion and qualitative interviews.
- Analyzed quantitative and qualitative data, which resulted in a series of peer-reviewed and practitioners publications.

Water and Sanitation Program (WSP), The World Bank

Maputo, Mozambique

Technical assistant, and Water and Sanitation Specialist, working out of the Department of Planning, National Directorate of Water, Government of Mozambique, 2005-2008.

- Led the participatory process to discuss the plans with politicians and technicians for more than 100 municipalities, small towns, and localities.
- Led research on pro-poor regulation in collaboration with the Water Regulatory Authority.
- Supported the drafting of the National Rural and Urban Water and Sanitation Roadmaps to achieve the Millennium Development Goals (MDGs).
- Coordinated an international conference on peri-urban water regulation organized in Mozambique.
- Conducted qualitative research on rural water in Angola and peri-urban sanitation in Benin.

**WaterAID, MIT Departments of Urban Studies and Planning and
of Civil and Environmental Engineering**

Maputo, Mozambique

Researcher, June and July 2005

- Supported the implementation of a household survey in peri-urban Maputo.
- Conducted focus group discussions using 15 participatory methodologies.
- Trained 30 officials of the Municipality of Maputo in survey implementation and qualitative methodologies.

MIT, Program of Human Rights and Justice (PHRJ)

Salvador de Bahia, Brazil

Researcher, June-August 2004

- Evaluated the “Ribeira Azul Project”, an internationally cited model of slum upgrading in Salvador de Bahia, Brazil through participant observations and interviews with community members, government officials, community organizations, and NGOs working in the slum. This research resulted in a Master’s thesis and the publication of a book.

International Labour Office (ILO)

Geneva, Switzerland

Research assistant, 2002-2003.

- Authored a paper about business strategies of informal micro-entrepreneurs in Lima (see publication).
- Investigated child labor in hazardous industries, and the potential impact of intermediate technology to reduce it. Focus on India.

Institute for Latin American Studies, Bocconi University

Milan, Italy

Research assistant, April-July 2002.

- Investigated the Peruvian macroeconomic and political context, economic and trade policies, infrastructures, and procedures to set up businesses and firms in the country. The work resulted in the publication of book.

NGO Association of Volunteers in International Service (AVSI)

Lima, Peru

Researcher, December 2001-February 2002.

- Interviewed informal micro entrepreneurs, home-workers and street vendors in the “Cono Norte” district in Lima. Interviewed micro entrepreneurs formalized by Commission for the Formalization of Informal Property (COFOPRI). The research resulted in an undergraduate thesis and a working paper.

SELECTED PRESENTATIONS

Interdisciplinaria, Ashoka University, 29 April 2016. Oral presentation entitled “Chaos, Inequality, and Access to Basic Water and Sanitation Services.”

Conference “Science, Policy and Innovation,” University of North Carolina – Chapel Hill, 30-31 October, 1 November 2012. Oral presentation entitled “Understanding heterogeneous preferences for water supply services among the urban poor: the experience of Maputo.”

World Bank Brown Bag Lunch, Washington DC, 29 October 2012. Oral presentation entitled “Water access, poverty, and policy changes in peri-urban Maputo, Mozambique: some unexpected lessons.”

12th Waternet Symposium, Maputo, Mozambique, 26 February 2011. Oral presentation entitled “Water resale from neighbors as a water supply option in Maputo, Mozambique.”

Conference “Where Science Meets Policy,” University of North Carolina – Chapel Hill, 3-7 October 2011. Poster presentation entitled “Characteristics and motivation of water resellers in Maputo, Mozambique.”

World Bank Brown Bag Lunch, Washington DC, 27 of February 2011. Oral presentation entitled “Water resale from neighbors as a water supply option in Maputo, Mozambique.”

Conference “Where Science Meets Policy”, University of North Carolina – Chapel Hills, 25-26 October 2010. Oral presentation entitled “Water resale from neighbors as a water supply option in Maputo, Mozambique.”

ADDITIONAL MENTORING AND TEACHING EXPERIENCE

- Mentoring:
 - Mentored and supervised 15 research assistants at Stanford University (2009-2014).
- Teaching:
 - Master of Planning Informal Settlements, Faculty of Architecture, University Eduardo Mondlane, Maputo, Mozambique (2014): designed and taught Master students a module on water, sanitation and waste planning and policy.
 - Water resale Project, Stanford University and Government of Mozambique (January-March 2012): trained 30 enumerators and 10 government staff for a total of 4 weeks on data gathering and survey techniques.
 - Rural water supply project, Nampula Province, Millennium Challenge Corporation/Stanford University Impact Evaluation (May 2011): trained 16 Mozambican students for 2 weeks on data gathering and survey techniques.
 - Water resale project, Stanford University and Government of Mozambique (January-March 2010): trained 16 Mozambican students for 2 weeks on data gathering and survey techniques.
 - Advanced Field Methods in Water, Sanitation, and Health (winter 2010, autumn 2011, winter 2012), Stanford University: instructor.

COMPUTER SKILLS

SPSS, ArcView and ArcGIS, STATA, The Survey System, Macromedia Dreamweaver, Atlas ti, NVIVO, HyperResearch.

LANGUAGES

Italian (native), fluency in written and oral English, Portuguese and Spanish. Working knowledge of French.