

IAN WALKER

Summary

British development economist with a BA and MA degrees from Oxford University, UK and 30 years' experience, mainly in the field. Has worked on education, health, social protection, jobs, poverty reduction, debt, private sector development, infrastructure, agriculture; microeconomic, financial, social and environmental analysis; project design, and survey design and analysis. Experience in Latin America and the Caribbean, the Middle East and North Africa, Sub-Saharan Africa, Eastern Europe and Central Asia, South Asia and East Asia and the Pacific.¹

Manager and Lead Economist, Jobs Group, World Bank, Social Protection and Jobs Global Practice, 2015- to date). Leads work program on cost benefit analysis and jobs. Led country programs in Mozambique, Nepal and Central America. Since 2018 – Manager of 32 staff. Represents Jobs Group on the Jobs and Development Conference (with IZA, Network on Jobs and Development and UN-WIDER).

Resident Representative of the Interamerican Development Bank in Honduras (2011-15). Managed 44 international and national staff, \$1 billion in open loan commitments and new commitments of \$220 million per year. Supervised a portfolio of 20 loans and 30 technical cooperation activities and led the negotiation of the IADB's country strategy.

Lead Economist, Social Protection, World Bank, Latin America and Caribbean Region (2005-2011). Co-author, *From Right to Reality* (2012), an overview of challenges of social protection in the face of persistent informality; and *Skills for the 21st Century*, (2012) on links from skills to labor market outcomes in the face of technological change. Led studies on nutrition and social protection in Ecuador, Peru and Bolivia, and youth crime and violence in Jamaica. Led Development Policy Loans in Peru and Ecuador, including Peru REACT, which promoted accountability for education, health and social protection programs, helped reduce chronic malnutrition by 50% and tripled education test scores between 2007-16. Team leader (TTL) for World Bank loan to Brazil's *Bolsa Familia* CCT program.

Development Economist, Honduras (1988-2005). Director, ESA Consultores International (1993-2005). British volunteer, teaching economics at the Central America Postgraduate Program (1988-1993).

Economic Advisor to the Maduro administration in Honduras (2002-2005). Participated in strategy discussions with the IMF, World Bank, IDB and bilateral agencies. Supported negotiation of *Poverty Reduction and Growth Facility* (PRGF) and HIPC completion. Wrote *Poverty Reduction Strategy Implementation Plan* for 2004 Honduras Consultative Group Meeting, Prepared application for \$225mn Millennium Challenge Corporation grant.

Global consulting assignments (1993-2002). Design and evaluation of country programs in Guatemala and Nicaragua for the World Bank. Evaluation studies on education and health impacts of social fund and CCT programs in a wide range of countries across three continents. Chapters on health and education of the World Bank's *Honduras Public Expenditure Review*. Study on health policy in Honduras for the World Bank. Evaluation studies for the World Bank of Social Investment Funds in Yemen, Egypt, Jamaica, St. Lucia and Honduras. *Public Expenditure Tracking Survey* for the World Bank in Honduras. Numerous surveys for academic, project design and evaluation purposes.

Private sector experience (1993-2005). Founded and led ESA Consultores International, a development consulting company. Co-founder, Metrored, which established a dominant position in the Honduran broadband market and was sold to Motorola in 2004. Co-founder of the Central American education technology company SESA (*Servicios Educativos*).

¹ Country experience: Bolivia, Brazil, Colombia, Costa Rica, Dominican Republic, Ecuador, Egypt, El Salvador, Guatemala, Haiti, Honduras, Jamaica, Mexico, Moldova, Mozambique, Nicaragua, Nepal, Panama, Peru, Philippines, Sierra Leone, St. Lucia, Turkmenistan, Venezuela, Yemen, Zambia and Zimbabwe.

EMPLOYMENT HISTORY

- Manager, Jobs Group, SPJ Global Practice, World Bank Group (2018 to date)
- Lead Economist, Jobs Group, SPJ Global Practice, World Bank (2015- 2018)
- Resident Representative, Honduras, Interamerican Development Bank (2011-2015)
- Lead Economist, Social Protection, Human Development, LAC, World Bank (2005-2011)
- Director, ESA Consultores, Honduras (1995 – 2005)
- Economic advisor to Honduran policy unit, UDAPE. Management Services International (1994).
- Lecturer in economics, Postgraduate School of Economics and Development Planning, National Autonomous University of Honduras (UK – International Cooperation for Development) (1988-93).
- Head of Research, London Housing Unit (1986-88)
- Researcher, Brent Local Economy Unit, London (1984-86)
- Lecturer in economics, Kingston University, UK (1983)
- Lecturer in politics, Balliol College, Oxford University, UK (1979-82)
- Lecturer in economics, St Peter's College, Oxford University, UK (1978-79)

EDUCATION: St Peter's College, Oxford University, UK.

1. BA Modern History and Economics (Class 1), 1978
2. MA Oxon, 1988.
3. Candidate for D.Phil in Economic History / History of Economic Thought.

LANGUAGES

Bilingual in English and Spanish. French and Portuguese – working knowledge.

PUBLICATIONS:

Maximizing the jobs development pay-offs of business plan competitions: results from an economic simulation. With David Robalino and Jose Manuel Romero. Jobs Group. 2018. (under review)

Economic Analysis of Jobs Investment Projects – Guidance Note. With David Robalino. Jobs Group Working Paper Issue No. 7, 2017.

From Right to Reality – Incentives, labor markets and the challenge of universal social protection in Latin America and the Caribbean (LAC). With Helena Ribe and David Robalino. Latin American Development Forum, World Bank, 2012 Published in English and Spanish.

Skills for the 21st Century in Latin America and the Caribbean. With Cristian Aedo. The World Bank, 2012. Published in English and Spanish.

Improving procurement, supply chain management and cost effectiveness in Peru's Vaso de Leche program (with Joao Veiga Malta). World Bank Country Study, 2009.

The value of water connections in Central American cities: A revealed preference study (with Jon Strand and Celine Nuages) Environment and Development Economics, 2008, October

Protección social en el Perú – como mejorar los resultados para los pobres? (with Cornelia Tesliuc). World Bank Country Study, 2007.

Water markets and demand in Central American cities - (with Jon Strand). Environment and Development Economics, Volume 10, Issue 03, June 2005, pp 313-335

Nutritional Failure in Ecuador – causes, consequences and solutions, World Bank Country Study, 2007. (with Alessandra Marini).

Desarrollo rural y pobreza en Honduras y Nicaragua: ¿Qué sigue? (Rural development and poverty in Honduras and Nicaragua – What next?) Ruta/DFID, San José C.R. 2004. ISBN 998- 866-35-0 (pp 45).

Private Solutions for Infrastructure in Honduras. A Country Framework Report. World Bank – PPIAF 2003. ISBN 0-8213-5366-7. (131 pages, published in English and Spanish).

Honduras: The road to sustainable reform in Keeping the lights on: power sector reform in Latin America. Jaime Millan and von der Fehr, N.H. (eds). IADB / Johns Hopkins University Press, 2003. ISBN 1-931003-55-6. (pp 165-215) (with Juan Benavides).

Pricing, subsidies and the Poor. Demand for Improved Water Services in Central America. World Bank Policy Research Working Paper 2468. November 2000. (With F. Ordoñez, P.Serrano and J. Halpern.)

Regional analysis of decentralization of water and sanitation in Central America and the Dominican Republic, Environmental Health Project, USAID Washington, 1999.

Reform efforts in the Honduran Water Sector in Spilled Water, Savedoff, W and P. Spiller, eds, IADB 1999, ISBN 1-886938-56-3. pp 35-88.

Honduras: towards better health care for all. World Bank Country Study. 1998 (with D. Cotlear). ISBN 0-8213-4190-1 (pp 72)

Regulation, Organization and Incentives: the political economy of potable water services. Case Study: Honduras. Interamerican Development Bank - Regional Network of Research Centers (Office of the Chief Economist). 1999 (with Max Velásquez, Fidel Ordoñez and Florencia Rodríguez.)

Políticas Forestales en Centroamérica. Análisis de las Restricciones para el Desarrollo Del Sector Forestal - caso de Honduras.(Forest policy in Central America – analysis of limitations for the development of the sector – the Honduran case) In: Políticas Forestales en Centroamérica. Eds: O.Segura, D.Kaimowitz and J.Rodríguez. Comisión Centroamericana de Bosques y Areas Protegidas (CCAB-AP). San José, Costa Rica. 1997. pp 231-268. (with Jenny Suazo).

Pobreza Urbana y Descentralización: El Caso de Honduras. (Urban poverty and decentralization – the Honduran Case) In: Pobreza Urbana y Descentralización -. R.Urzuá and D.Palma (eds). Centro de Análisis de Políticas Públicas. Universidad de Chile. 1997. pp 349-386 (with Guadalupe Durón).

Mercados regionales de trabajo y la localización de las zonas industriales de procesamiento en Honduras. (Regional labour markets and the location of industrial processing zones in Honduras) In: Apertura Comercial en Centroamérica: Nuevos Retos para la Industria. T.Altenburg and H. Nuhn (eds). Departamento Ecuménico de Investigaciones (DEI). San José, Costa Rica. pp 165-190.

Nationale und regionale Entwicklungsimpulse durch Weltmarktfabriken. Biespiel aus Zentralamerika. (National and regional economic development through maquila growth in Central America). In: Zeitschrift für Wirtschaftsgeographie (Frankfurt, Germany). 39. Jahrgang, 1995, Heft 2. 1995. pp 102 - 112. (With Tilman Altenburg).

La industria de maquila y la organización laboral. El caso de Honduras. (The maquila industry and labour organization) In: Globalización y Fuerza Laboral en Centroamérica. J.P.Pérez Saenz (ed.). FLACSO. San José, Costa Rica. pp 210-232. 1994. (With Rosibel Gómez Zúniga).

El trasfondo político-económico del fomento de las exportaciones no tradicionales en América Central. (The political and economic backdrop to the the development of non traditional exports in Central America) In: Exportaciones Agrícolas No Tradicionales ¿promesa o espejismo?. J. Weller and A.B.Mendizabal (eds). CADESCA-PREALC/OIT, Panamá, República de Panamá. 1992. pp 3 - 35.

El ajuste estructural y el futuro desarrollo de la región centroamericana, (Structural Adjustment and the future of Central American development) Working Document Series, No 2, POSCAE, Universidad Nacional Autónoma de Honduras (UNAH). 1991.

Deuda Externa y Ajuste Estructural: el caso de Honduras, 1980-88. (External debt and Structural Adjustment – the Honduran Case). Revista Centroamericana de Economía (Tegucigalpa), 1990. (Also published in: Estudios Sociales Centroamericanos, San José, Costa Rica, 1990).

La deuda externa de Honduras: ¿de renegociación en los ochentas hacia condonación en los noventas?. (Honduran External Debt: From renegotiation in the 80s towards forgiveness in the nineties?) Working Document No.1, POSCAE, Universidad Nacional Autónoma de Honduras, 1990. (With H. Noé Pino)

Ajuste Estructural, integración económica y la Estrategia del Desarrollo en América Central (Structural adjustment, economic integration and Central American Development Strategy). In: *Revista de la Integración y Desarrollo de Centroamérica* (BCIE), números 45/46, dic 1989/junio,1990.

What's it Worth? A computer model for valuing housing estates slated for privatization. London Housing Unit, 1989.

Johnson Matthey: the bank collapse and jobs - Brent Local Economy Unit, London, 1986.

A cost-benefit analysis of public house building. Brent Local Economy Unit, London, 1985.

Brent's Rates: where the rises have come from: a financial analysis of the London Borough of Brent, 1979-84. Brent Local Economy Unit, London, 1984.

SELECTED CONSULTING EXPERIENCE

Senior advisory roles

2002/5 Principal Economic Policy Advisor to the Honduran Government (consultant to the World Bank)

1994 Resident Advisor, *Unidad de Análisis de Políticas Económicas* (UDAPE), Honduras (USAID)

Development Policy Lending

2006/11 Task Team leader (TTL) for Peru Results and Accountability (REACT) Development Policy Loan, second operation (\$330 mn DPL/DDO) approved by the World Bank board in June 2007 and third operation (\$50 million DPL) approved in December 2010)

2005/6 Co-TTL for Ecuador Programmatic Human Development Reform Loan (PHDRL) series and associated PHRD Trust Fund.

2004 Led Honduran government team on the negotiation of the World Bank's \$55 million Poverty Reduction Support Credit (PRSC).

Country Assistance Strategies

2005 CAS Completion Report for the World Bank's Country Assistance Strategy (CAS) in Nicaragua from 2000-2004 and support to the new ISN (World Bank)

2004 CAS Completion Report for the World Bank's Country Assistance Strategy (CAS) in Guatemala from 1998-2004 and support to the new CAS (World Bank)

2003/4 Support to the development of the Honduras CAS (World Bank)

Poverty Reduction Strategies

2004 Wrote Honduran Poverty Reduction Strategy Implementation Plan for 2004-2006, presented to Tegucigalpa Consultative Group, June 2004.

2003 Led Honduran government team preparing the PRS Progress reports for 2001-2003.

2002 Honduras - Design of tracking system for Poverty Reduction Strategy – IADB
Nicaragua – Design of tracking system for Poverty Reduction Strategy – IADB

2000 Honduras Poverty Reduction Strategy Paper. Led consultant team drafting Poverty Reduction Strategy Paper (PRSP) and supporting public consultation process.

Social policy analysis - general

2000 Director, Public Expenditure Tracking Survey for health and education sectors in Honduras. World Bank.

1994 Lead autor: "The social sector challenges facing Honduras in the 1990s" (*Los retos sociales para Honduras en la década de los noventa*), UNICEF, Honduras.

Education

2010 Regional study: *Skills for the 21st Century*. (World Bank, LAC Chief Economist's Office) (co-TTL and co-author with Cristian Aedo)

2003 Education Sector Note, Honduras (World Bank).

2002 Ex-post economic evaluation of the World Bank's PROMEB project in Honduras.

- 2000 Ex-ante economic evaluation (cost benefit analysis) of Honduras Community Based Primary Education Project, PROHECO (World Bank).
- 1998 Education Chapter in Honduras Public Expenditure Review (World Bank, for Yasuhiko Matsuda).

Health & Nutrition

- 2010 *Peru: Improving Health Outcomes by Strengthening Users' Entitlements and Reinforcing Public Sector Management* (World Bank) – Team leader and principal author.
- 2006/7 Team leader/ co-author (with Alessandra Marini): “*Nutritional Failure in Ecuador – causes, consequences and solutions*” (World Bank country study).
- 2003 Health Reform Strategy in Central America (World Bank).
- 2000 Health chapter in Honduras Public Expenditure Review (World Bank, for Yasuhiko Matsuda)
- 1998 *Honduras – Towards better health care for all* (World Bank country study, with Daniel Cotlear)
- 1997 Team leader, study of demand and financing of the health sector in Honduras (World Bank).
- 1995 Director, national household and institutional survey of Knowledge Attitudes and Practices related to the use of clinical health services in Honduras. JICA (Japanese cooperation agency).

Social Protection

- 2010 *Achieving Effective Social Protection for All in LAC – From Right to Reality* (regional study for the Chief Economists office, co-author with Helena Ribe and David Robalino).
- 2008 *Improving procurement, supply chain management and cost effectiveness in Peru's Vaso de Leche program* (World Bank Country Study, co author with Joao Veiga Malta)
- 2007 *Social protection in Peru – how to improve outcomes for the poor?* (World Bank country study, co-author with Cornelia Tesliuc).
- 2000-4 Social Investment Fund impact evaluations and economic appraisals for Jamaican, Egyptian, Yemen, Moldova and St. Lucia (West Indies) Funds. (World Bank).
- 2002 Director, Baseline study for child development project, PAININ 2, Nicaragua (World Bank).
- 2002 Director, Impact Evaluation survey for Yemen Social Investment Fund, (World Bank).
- 1999 Director of Census of 80,000 households in poorest areas of Honduras as part of the targeting of the Honduran Family Allowance Program, PRAF (working together with IFPRI, under the IADB loan to PRAF)
- 2000 Director of Baseline study of 5,600 households in Honduras to establish baseline data for the Impact Evaluation of the PRAF program (including detailed anthropometrical registers related to nutritional status) (working together with IFPRI, under the IADB loan to PRAF)
- 1999 Director of Household Expenditure and Means survey in Honduras (2,500 households) for the targeting of the PRAF project (the data were analyzed using algorithms to identify discrimination variables that best identify poverty at household level) (working together with IFPRI, under IADB loan to PRAF).
- 1998 Director of ESA Consultores' team conducting a national household and facility survey and ex-post evaluation analysis of the Honduran Social Investment fund for the World Bank.

Macroeconomic analysis and policy

- 2004/5 Principal advisor for the negotiation of a Poverty Reduction and Growth Facility (PRGF) between Honduras and the IMF. Led technical work on: the definition and tracking of poverty spending; measurement / targeting of public sector salary expenditures; and on estimation of expected revenue increases from agreed tax changes and the projection of the fiscal deficit.
- 1999 Advised the Honduran Finance Ministry on the successful submission to the Paris Club requesting debt forgiveness on Naples terms.
- 1998 Wrote the chapter on the Financial Sector for the Honduran National Reconstruction Plan following Hurricane Mitch (USAID/UNAT) (the hurricane triggered a systemic financial crisis).

- 1999 Drafted the macroeconomic section of the Honduran Environmental Profile (World Bank / Honduran Ministry of Natural Resources and Environment).
- 1994 Drafted the Honduran Government's economic policy statement: "The proposed economic package and the Government's strategy for sustainable and equitable development." *Unidad de Análisis de Políticas Económicas, UDAPE.*
- 1994 Author of "Exchange rate management and the official bank reserve ratio: a discussion of the options for the Government of Honduras." *Unidad de Análisis de Políticas Económicas, UDAPE.*
- 1994 Analysis of interest rate rules for the IADB multi-sectoral credit loan to Honduras. *Unidad de Análisis de Políticas Económicas, UDAPE.*
- 1991 Author, "Structural adjustment and the future development of the Central American region" (*El ajuste estructural y el futuro desarrollo de la región centroamericana*). POSCAE, National Autonomous University of Honduras.
- 1990 Author, "External debt and structural adjustment - case study of Honduras 1980-88" (*Deuda Externa y Ajuste Estructural: el caso de Honduras*). Published in the *Revista Centroamerica de Economía* and in *Estudios Sociales Centroamericanos*.
Co-author, "Honduras' external debt: from renegotiation in the eighties towards condonement in the nineties?" (*La deuda externa de Honduras: de renegociación en los ochentas hacia condonación en los noventas?*). POSCAE, National Autonomous University of Honduras).

Competitiveness and private sector development

- 2004/5 Led Honduran government team which prepared and negotiated a \$220 million grant from the US Government's Millennium Challenge Corporation (MCC), the second MCC grant approved in the world. Main sectors: rural and trunk roads; agricultural development; finance sector; governance and fiscal management arrangements.
- 1999 Author, "Honduran Agenda for Competitiveness and Sustainable Development in the 21st Century" for the regional HIID-INCAE project of that name, (FIDE/CABEI).
- 1995 Country risk analysis of Honduras (Procter and Gamble)
- 1995 Author, "Analysis of obstacles to private investment in Honduras" (*Análisis de Obstáculos Existentes a la Inversión Privada en Honduras*), IADB.
- 1990-4 Author of Economist Intelligence Unit annual and quarterly reports on Honduras, Guatemala, El Salvador and Costa Rica.
- 1994 Evaluation of USAID support to the Chamber of Commerce and Industry of Cortés, Honduras. USAID.

Project design and the social, economic and financial evaluation of projects

- 2003-4 Evaluation System for PAININ (early childhood development program), Nicaragua. (IADB).
- 2000-4 Social investment fund impact evaluations and economic appraisals for Jamaican, Egyptian, Yemen, Moldova and St. Lucia (West Indies) Funds. (World Bank).
- 2003 Economic evaluation of Copan Valley Tourism Development Project, Honduras (World Bank)
- 1999 Design of interest rate structure for the IADB's Honduran municipal development loan in Tegucigalpa and San Pedro Sula with dollar indexation, to reduce repayments in the near term without prejudicing the medium term financial viability of the Municipal Development Fund.
- 1998 Ex-post evaluation of Honduran Social Investment Fund, FHIS, World Bank (Including design, implementation and analysis of results using multivariate statistical techniques).
- 1997 Financial and institutional analysis for the Puerto Cortés, Honduras sewerage project (IADB).
- 1996 Director of team which designed the M&E system, beneficiary targeting system and the ex-post evaluation methodology of the Honduran CCT program, PRAF (IADB).
- 1996 Economist on the World Bank team for a water project in Tashauz, Turkmenistan, Central Asia (part of the Aral Sea Project); responsible for the financial and economic cost-benefit analysis.

- 1996 Design, execution and analysis of social evaluations for Marginal Barrio upgrading projects in Caracas and Guatemala City (World Bank).
- 1996 Director of socio-economic analysis of water and sewerage projects in El Salvador (Santa Ana, San Miguel and Sonsonate) for Lotti Consultores Ingenieros (Italy). Included design of a household survey, including a willingness to pay for the sewerage component and cost benefit analysis of the water component using the program SIMOP.
- 1995 Evaluation of fiscal and distributive impacts of Honduran water sector reform (World Bank).
- 1995 Director of the social evaluation of the World Bank project for water and sanitation upgrading in marginal barrios of Managua, including willingness to pay survey and focus groups to evaluate stakeholder responses.
- 1995 Director of team contracted by the World Food Program to design reforestation project using food aid (executing agency: Corporación Hondureña de Desarrollo Forestal, COHDEFOR).

Sectoral economic analysis

- 2000 Design of cellular telephone tariff structure – CELTEL, Honduras
- 1996 Director of the market study justifying conversion of CREDOMATIC, Honduras into a bank, presented to the Banking and Insurance Commission of the Honduran Government.
- 1995 Co-author: “Forest policy in Honduras” (*Políticas forestales en Honduras*) for the Central American Commission on Protected Areas and Forests.
- 1994 Author: “Options for banana sector policy” (*Opciones de política bananera*) - Govt. of Honduras. *Unidad de Análisis de Políticas Económicas*, UDAPE.
- 1994 Author: “The maquila industry and labor organization - the Honduran case” (*La industria de maquila y la organización laboral - caso de Honduras*) published in *Globalización y fuerza laboral en Centroamerica*, FLACSO, Costa Rica.
- 1992 Author: “The political and economic background of the promotion of non traditional exports in Central America” (*El trasfondo político-económico del fomento de las exportaciones no tradicionales en América Central*) - in *Exportaciones Agrícolas No Tradicionales - promesa o espejismo?*. CADESCA-PREALC/OIT.

Infrastructure - general

- 2000-2 Director: Honduras Infrastructure Framework Report (Electricity, Water and Sanitation, Telecom and Transport) for the World Bank / Public Private Infrastructure Advisory Facility (PPIAF- for Jyoti Shukla). Looked at links from infrastructure to poverty reduction and growth; made recommendations for prioritizing investments, optimizing subsidies, maximizing private investment, and strengthening regulation.

Electricity

- 2001-2 Study of the sustainability of electricity sector reform in Honduras. IADB. This study led to a re-think of the country’s reform strategy, including the postponement of a spot market model for the generation market.

Water and sanitation

- 2004/5 Director, Willingness to Pay study for water & sanitation services in Tegucigalpa Honduras (Water and Sanitation Program, World Bank)
- 2001 Director, study of water and sanitation sector policy reform in Central America (Water and Sanitation Program, World Bank)
- 2002 Mid term Appraisal of Philippines Water and Sanitation Sector action learning project funded by AUS AID and administered by the World Bank’s Water and Sanitation Program.
- 2001 Economic and Financial Due Diligence study of San Pedro Sula Water Company, Honduras, in preparation for a loan from the IADB Private Sector Arm (with Halcrow).

- 2000 Team leader, business plan for Guatemala City water utility, EMPAGUA. (2000, IADB), including the evaluation of a flawed \$50 million BOT (Build Operate and Transfer) project for the purchase of raw water with the British company, Biwater.
- 1999 Study director: The distributional consequences of water pricing in Central and Southern America (1999, World Bank, for Jon Halpern).
- 2001 Principal author, “Regional study of decentralization of water and sanitation in Central America and the Dominican Republic” for USAID’s Environmental Health Project, Washington.
- 1998 Led team to develop proposal for water sector modernization in the Dominican Republic under contract to the IADB (in consortium with Mott MacDonald, UK)
- 1998 Led team which developed the proposed water subsidy system for the Republic of Panamá under contract to the World Bank (in consortium with OXERA, UK)
- 1997 Member of the IADB team developing the Puerto Cortés, Honduras sewerage project for the IADB, responsible for financial and institutional analysis.
- 1997 Co-author: “Regulation, Organization and Incentives: the political economy of potable water and sanitation services in Honduras”. (IADB - *Red de Centros de Investigación*).
- 1996 Financial and economic cost-benefit analysis for water project, Tashauz, Turkmenistan, Central Asia (World Bank).
- 1996 Director, socio-economic analysis of water and sewerage projects in El Salvador (Santa Ana, San Miguel and Sonsonate) for Lotti Consultores Ingenieros (Italy). Included household survey of willingness to pay for the sewerage component and cost benefit analysis of the water component using the program SIMOP.
- 1996 Director for household surveys of water demand and willingness to pay for water in Caracas, Barquisimetro and Mérida, Venezuela. (co funded by the World Bank and IADB).
- 1995 Director of the social evaluation, water and sanitation upgrading project in marginal barrios of Managua, Nicaragua. Included household survey of willingness and ability to pay; and focus groups to evaluate stakeholder responses (World Bank).
- 1995 Director of the Honduran national household survey of water use and willingness to pay for improved services. (World Bank, part of the preparation for a sectoral adjustment loan).
- 1995 Evaluation of fiscal and distributive impacts of the proposed sector reform in water and sanitation in Honduras (World Bank part of the preparation for a sectoral adjustment loan).

Microenterprises

- 2002 Director, Ex-post evaluation of *Nuestras Raíces* program of the Honduran Social Investment Fund, FHIS, for the promotion of micro-finance institutions among indigenous communities in Honduras (World Bank).
- 1996 Director, Honduran national survey of microenterprises. (Fundación Coveló / USAID).

Environmental policy

- 1998 Co-author: Prospects for Sustainable Development in Honduras (World Wildlife Fund)
- 1993 Co-author: “Structural adjustment and the environment in Honduras” (*El ajuste estructural y el medio ambiente en Honduras*). CEASPA, Panamá.

Surveys, General

- 2002 Director, Baseline study for child development project, PAININ 2, Nicaragua (World Bank).
- 2002 Advisor, Design of Philippines Public Expenditure Tracking Survey for Education. (W. Bank)
- 2002 Director, Impact Evaluation survey for Yemen Social Investment Fund, (World Bank).
- 2001 Director, Baseline study for municipal development project, Protierra 2, Nicaragua (World Bank).
- 2002 Director of Census of 80,000 households in poorest areas of Honduras as part of the targeting of the Honduran Family Allowance Program, PRAF (working together with IFPRI)

- 2003 Director of Baseline study of 5600 households in Honduras to establish baseline data for the Impact Evaluation of the PRAF program (including detailed anthropometrical registers related to nutritional status) (working together with IFPRI)
- 2000 Director, Public Expenditure Tracking Survey for health and education sectors in Honduras. World Bank.
- 1999 Director of Household Expenditure and Means survey in Honduras (2500 households) for the targeting of the PRAF project (the data were analyzed using algorithms to identify discrimination variables that best identify poverty at household level) (working together with IFPRI).
- 1998 Director of ESA Consultores' team conducting a national household and facility survey for the ex-post evaluation of the Honduran Social Investment fund for the World Bank.
- 1998 Director of Willingness to Pay survey for water and sanitation users in Panama City and Colón, Panama. World Bank.
- 1997 Director of ESA Consultores teams conducting household surveys in Caracas and Guatemala City for the social evaluation of World Bank marginal barrio upgrading projects.
- 1996 Director of ESA Consultores' team for household surveys of water demand and willingness to pay for water in Caracas, Barquisimeto and Mérida, Venezuela. World Bank and IADB.
- 1996 Director of the Honduran national survey of microenterprises. Fundación Covelo / USAID.
- 1996 Director of the socio-economic analysis of three water and sewerage projects in El Salvador (Santa Ana, San Miguel and Sonsonate) for Lotti Consultores Ingenieros (Italy). This involved the design of a household survey including a willingness to pay for the sewerage component.
- 1995 Director, ESA Consultores' team responsible for implementing a national household and institutional survey of Knowledge Attitudes and Practices related to the use of clinical services in Honduras. JICA (Japanese cooperation agency).
- 1995 Director of ESA Consultores' team on the Honduran national household survey of water use and willingness to pay for improved services. World Bank.
- 1995 Director of the social evaluation, water and sanitation upgrading project in marginal barrios of Managua, Nicaragua. Based on a city wide household survey to establish willingness and ability to pay; and focus groups to evaluate stakeholder responses to the proposed project.
- 1992-4 Director of three surveys of workers and households in the San Pedro Sula area of Honduras, to establish the socio-economic impact of free zone development. USAID.

Willingness to pay (Contingent Valuation surveys)

- 2004/5 Director, Willingness to Pay study for water & sanitation services in Tegucigalpa Honduras (Water and Sanitation Program, World Bank)
 - 1996 Director, household surveys of water demand and willingness to pay for water in Caracas, Barquisimeto and Mérida, Venezuela and Panama City, Panama. World Bank and IADB.
 - 1996 Director of the socio-economic analysis of water and sewerage projects in El Salvador (Santa Ana, San Miguel and Sonsonate) for Lotti Consultores Ingenieros (Italia). This involved the design of a household survey including a willingness to pay for the sewerage component.
 - 1995 Director of ESA Consultores' team on the Honduran national household survey of water use and willingness to pay for improved services. World Bank.
 - 1995 Director, social evaluation of water and sanitation upgrading project in marginal barrios of Managua, Nicaragua. Included household survey to establish willingness and ability to pay; and focus groups to evaluate stakeholder responses to the proposed project.
-