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SUMMARY: I provide consulting services in macroeconomic and financial analysis, including projection, policy planning, and institutional development. Since the early 1980s, I have worked on stabilization policy and financial development in Latin America, Africa and India. I have been an independent consultant (since 2001) and a staff economist at the World Bank (1988-2001) and the Federal Reserve Bank of New York (1985-1988).

EXPERIENCE

Selected consulting activities (since 2002):

- **Starting Feb 2010:** Work with **Rwanda's** Finance Ministry on development of a new public-investment program, for incorporation in the FY 2010-2011 (Jul-Jun) Budget.
- **Oct 08 – Nov 09:** Helped develop a macroeconomic projection “model” under the USAID-Nathan Associates Guyana Country Threshold Plan/Implementation Project for **Guyana's** Finance Ministry. This included a three-week course on macroeconomic programming techniques in Jul 09. Previous presentations were in the **Dominican Republic Aug 06** (one week); **Angola May 06** (two weeks); **Nigeria Feb 05** (5 days); **Rwanda Jun 02** (four weeks); **Guatemala Jul 00** (3 days).
- **Mar 05 – Dec 08:** Participated in two successive USAID projects to develop a “fiscal programming unit” in **Angola's** Finance Ministry (including some work with the nation's central bank).
- **Sep 06 – Jun 07:** Worked with **Rwanda's** Finance Ministry on development and implementation of a macroeconomic projection exercise (funded by the United Nations Development Program).
- **May 05 – May 06:** Participated in development of a “Longer-Term Investment Framework” for **Rwanda**, encompassing a medium-term macroeconomic projection model, listing and summation of the government's investment expenditure in function of national objectives, and a financing program.
- **Oct 06:** Presented the first draft of a theoretical paper commissioned by UNCTAD on the consequences of debt-reduction exercises for economies' macroeconomic performance.
- **Oct 05:** Presented the first draft of a paper commissioned by UNCTAD on **Bolivia's** experience with external debt and economic growth since the 1980s.
- **Dec 04 – Jan 05:** Helped develop Excel-based medium-term macroeconomic and government-expenditure projection exercises for **Ecuador** (United Nations Development Program), applied to help determine the likelihood that Ecuador will achieve the U.N. Millennium Goals in 2015.
- **Jul 04:** Helped develop a medium-term non-oil revenue projection exercise for **Nigeria** (under a fiscal-reform project of USAID and Development Alternatives, Inc.).
- **Feb-Dec 04:** Provided technical advice for **Perú's** Ministry of Finance and Economy's annual Multiannual Macroeconomic Framework exercise, including development of a multiannual projection exercise (USAID-Nathan Associates “CrecerPerú” project).
- **Jul 02-Apr 05:** Provided advice on procedures and training for medium-term macroeconomic and fiscal programming, including development of a general macroeconomic projection model (including the central bank's deficit) in the **Dominican Republic** (Inter-American Development Bank).
- **Apr-May 02:** Contributed to a **Rwanda** Public Expenditure Management Review, making recommendations on construction, implementation and application of a medium-term macroeconomic projection model in the country's budget process (World Bank; Report completed Jun 03).

Senior Economist, World Bank, Washington, DC - (1988 - 2001)

- Carried out macroeconomic analysis, helped draft loan documentation and took part in negotiation of the **Ecuador** Structural Adjustment Loan approved by the Bank in Jun 00 (this work received a Performance Award). Monitored evolution of Ecuador's macroeconomic crisis; worked during 1999 on strategies for dealing with Ecuador's banking crisis; and helped formulate a Bank contingency plan, helping to sustain effective dialogue with a country in crisis. Supervised the 1994 Ecuador Structural Adjustment Loan after 1996, and wrote its Implementation Completion Report (Jun 98).
- Completed a study of **Brazil**'s national-saving performance (Jun 98).
- Carried out analytical work and drafted documentation for **Bolivia**'s participation in the Highly Indebted Poorest Countries (HIPC) Initiative, approved by the Bank in Sep 97.
- Contributed to development and implementation of the **India** Financial Sector Development Project, approved by the Bank in Mar 95. Managed first phase of a report on State finances, Rajasthan, India, contributing to the State Government's policy-planning capacity. Contributed macroeconomic analyses in the 1993, 1994, and 1995 India Country Economic Memoranda.
- Carried out macroeconomic analysis, drafted loan documentation and helped negotiate the **Uruguay** Debt and Debt Service Reduction loan, approved Jun 92. Wrote the Uruguay "Macroeconomic Assessment" (Jun 92). Managed the Uruguay Structural Adjustment Loan in its supervision phase.
- Carried out analytical work on **Argentina**'s macroeconomy during its hyperinflation crisis, analyzing the Central Bank's operating deficit and contributing to monetary reforms. Coordinated "Central Bank" reform sections of the Oct 89 Argentina Financial Sector Report. Contributed to the Central Bank aspects of the Public Sector Reform Loan, approved by the World Bank in Jul 91.

Economist "A" grade, Federal Reserve Bank of New York, New York, NY (1985-1988): Wrote periodic risk assessments of Latin American and other developing economies. Devised a training course on International Monetary Fund programs. Monitored macroeconomic developments in **Brazil**, informing senior management during the 1986-8 stabilization and debt-renegotiation processes.

Assistant Vice President Economist for Latin America, Marine Midland Bank (subsequently merged into Hong Kong and Shanghai Bank Corporation), **New York, NY (1984-1985):** Monitored economic developments in the seven largest Latin American economies, and wrote quarterly reports on these economies published by the Bank. Helped develop the bank's country debt model.

ACADEMIC EXPERIENCE

Courses taught: Macroeconomics (elementary, intermediate); microeconomics (intermediate); economic development (including project evaluation; undergraduate, graduate); statistics (intermediate undergraduate); monetary economics (undergraduate, graduate); international trade and finance (graduate); and others.

Fulbright grant for teaching economics in **Brazil**, Universidade Federal da Bahia, Salvador. (1988);

New York University, adjunct associate professor of economics (1987-88);

Fordham University, assistant professor of economics (1981-84)

Fulbright grant for teaching economics in **Peru**,

Universidad Católica del Perú and Banco Central de Reserva (1980-1);

Boston University, visiting assistant professor of economics (1979-80);

University of Illinois, assistant professor of economics (1977-79);

Social Science Research Council dissertation grant in **Brazil**, Universidade de São Paulo. (1976-77).

WEBSITES:

<http://sites.google.com/site/massenamacro/>

Contains recent papers, spreadsheets, and presentations.

<http://sites.google.com/site/beckermanmacroprojtech>

Contains course presentations on macroeconomic programming techniques.

Selected work in progress, publications and working papers:

Book: *Multiannual Macroeconomic Programming Techniques for Developing Economies* (forthcoming, Spring 2010, World Scientific Publishing Company)

Draft paper: "External-Debt Sustainability Following Reduction Operations."

Draft paper: "Central-Bank Net Worth in Monetary Programming Exercises"

- (2002) Book (editor with Andrés Solimano, writer or co-writer of some chapters): *Ecuador's Crisis and Dollarization*. (Washington, DC): World Bank (translated into Spanish and published in Ecuador in November 2003).
- (2001) "Dollarization and Semi-Dollarization in Ecuador" (World Bank Policy Research Working Paper No 2643, July)
- (2001) "La vía ecuatoriana hacia la dolarización," *Nueva Sociedad* (Caracas, Venezuela), No. 172, March-April, pp. 111-124.
- (2000) "Fiscal and Central-Bank Deficits in a Monetary Programming Framework" [Earlier version: "How Small Should an Economy's Fiscal Deficit Be?: A Monetary Programming Approach," World Bank Policy Research Working Paper No. 2308, March]
- (1997) "Central-Bank Decapitalization in Developing Economies," *World Development*, Vol. 25, No. 2 (February) pp. 167-178.
- (1995) "Central Bank 'Distress' and Hyperinflation in Argentina, 1989-90." *Journal of Latin American Studies*, Vol. 27, Part 3 (October), pp. 663-682.
- (1994) "External Debt and Growth: The 'Debt-Stabilizing' Real Growth Rate," *Journal of Developing Areas*, Vol. 28 (January), pp. 229-236.
- (1991) Book, *The Economics of High Inflation* (St. Martin's Press: New York).
- (1989) (with Werner Baer) "The Decline and Fall of Brazil's Cruzado," *Latin American Research Review*, Vol. XXIV, No. 1, pp. 35-64.
- (1987) "Inflation and Dollar Accounts in Peru's Banking System, 1978-1984," *World Development*, August, Vol. 15, No. 8, pp. 1087-1106.
- (1983) "Index-linked Financial Assets and the Brazilian 'Inflation-Feedback' Mechanism," in Schmukler, Nathan and Edward Marcus, *Inflation Through the Ages: Economic, Social, Psychological, and Historical Aspects* (Columbia University Press: New York), pp. 571-615.
- (1980) "Index-linked Government Bonds and the Efficiency of Monetary Policy," *Journal of Macroeconomics*, Fall.

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Selected work in progress, publications and working papers (continued):

- (1980) (with Werner Baer) "The Trouble with Index-linking: Reflections on the Brazilian Experience," *World Development*, September.
- (1980) (with Donald Coes) Comment, On "Who Benefits from Economic Development -- A Reexamination of Brazilian Growth in the 1980's" (original article by Fields, Gary S., in the *American Economic Review*, September 1977), *American Economic Review*, March.

Reviewing for professional journals and publishers:

World Development, International Review of Applied Economics, Journal of Comparative Economics, Journal of Developing Areas, Journal of Economics and Business, Journal of Latin American Studies, Journal of Post-Keynesian Economics, World Bank Economic Review, Cambridge University Press, Princeton University Press, Penn State University Press.

CONSULTING WORK FOR THE WORLD BANK, 1982-4:

Financial-sector studies in **Sierra Leone, Peru**; export-promotion studies in **Guyana, Jamaica**.

PEACE CORPS:

Volunteer in **Bolivia** (Sep 69-Apr 71) and **Colombia** (Apr 71-Nov 72)

EDUCATION:

Princeton University, Princeton, NJ, Ph'D in Economics, Jan 1979. Doctoral dissertation: *The Theory of Index-linking and the Application of Index-linking in Brazil* (Princeton University, Jun 79)

Massachusetts Institute of Technology, Cambridge, MA, Bachelor of Science in Economics, Jun 69

Bronx High School of Science, Bronx, NY, Academic Diploma, Jun 65

SKILLS, OTHER ACTIVITIES

Languages: Native language is English; fluent in Spanish and Portuguese; have worked and lectured in French, have some speaking knowledge of Italian, and limited knowledge of Russian.

Computer Skills: Proficient in Microsoft Excel, Word, PowerPoint, etc.

Other activities: Class Agent, Massachusetts Institute of Technology Class of '69 (since Jun 84) (fund-raising).
Princeton University, interviewing for undergraduate admissions (1986-7).