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# Kimberly D. Zieschang

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## Experience

2015- International Monetary Fund Washington, DC

### Advisor

- Immediate Office, Statistics Department. Executive-level IMF position focusing on advice on statistical policy and research. Topics include the output of international financial institutions and impacts on external trade and income flows and positions, the output of insurance corporations with focus on the asset management component of their output, measuring global and international liquidity, classification of the IMF into a financial corporations subsector, showing the impact of central bank countercyclical policy in the statistics of the financial corporations sector, and measuring capacity utilization.
- Member, Editorial Board, **Review of Income and Wealth**

2006 - 2014 International Monetary Fund Washington, DC

### Division Chief

- Real Sector Division, Statistics Department. An executive-level IMF position, managing a Division of 15 positions covering the IMF's methodology, data analysis, and technical assistance programs in real sector statistics (national accounts, price indexes, labor market statistics).
- Statistics Department Technical Assistance Manager for African Region. Liaison with IMF African Department in setting and implementing statistics technical assistance priorities for Sub-Saharan Africa.
- Member since 2006 and Chair during 2007 of the National Accountants Group of the Inter-Secretariat Working Group on National Accounts, representing the IMF on the ISWGNA project to revise the System of National Accounts, the standard for producing central economic indicators such as GDP.
- Member of the Technical Advisory Group for the International Comparisons Program globally coordinated by the World Bank. Consulted on price index methodology, international quality adjustment of prices, and design of a computer system for price indices.

2004-2006 International Monetary Fund Washington, DC

### Division Chief

- Data Dissemination Standards Division, Statistics Department. An executive-level IMF position, managing a Division of 16 positions covering the IMF's Special Data Dissemination Standard (SDDS) and General Data Dissemination System (GDDS).
- Oversaw management of "metadata bases" containing descriptive textual information about a wide array of national statistics for IMF member

countries participating in the SDDS and GDDS and the associated website (dsbb.imf.org) where the IMF posts these metadata..

- Member of the Technical Advisory Group for the International Comparisons Program globally coordinated by the World Bank. Consult on price index methodology, international quality adjustment of prices, and design of a computer system for price indices.

1999-2004                      International Monetary Fund      Washington, DC

### **Deputy Division Chief**

- Real Sector Division, Statistics Department. Acted in Division Chief's absence and assisted with administrative functions, in addition to professional work on statistical methodology, teaching, and rendering technical assistance on real sector statistics to IMF member countries. With the Division Chief, handled planning, budgeting, and staff management and appraisal for a Division of 19 positions comprising 8 Economists and Senior Economists, 6 Research Assistants and Research Officers, and 3 Staff Assistants. The Division manages with its own staff and a stable of consultants about 100 single-person, two week Surveillance, Technical Assistance, and Training "mission equivalents" per year, in addition to a substantial number of methodological development projects. Among the latter are contributions to international price statistics and national accounts manuals, and contributions to IMF and international conferences.
- Represent Fund on Intersecretariat Working Group on Price Statistics and serve on its Technical Expert Groups on the Consumer Price Index and on the Producer Price Index.
- Represent the Fund on the OECD Task Force on Financial Services, which is one of several working parties developing proposals for updating the current national accounting standard, the *System of National Accounts 1993*.
- Articles on interarea and international purchasing power parities published in **Interarea and International Comparisons of Prices, Income, and Output**. Article on export and import price indices published in **IMF Staff Papers**.
- Reviewer for **American Economic Review**, **European Journal of Operations Research**, **Journal of Money, Credit and Banking**, **Journal of Official Statistics**, and **Review of Income and Wealth**.
- IMF Working Papers: A Framework for Price Statistics, Compiling and Using Export and Import Price Indices.
- Member of the Technical Advisory Group for the International Comparisons Program globally coordinated by the World Bank. Consult on price index methodology, international quality adjustment of prices, and design of a computer system for price indices.
- Editor of the *Export and Import Price Index Manual*, in preparation.

1997-1999                      International Monetary Fund      Washington, DC

**Senior Economist**

- Real Sector Division, Statistics Department. Undertook professional work on statistical methodology, teaching, and rendering technical assistance on real sector statistical methodology to IMF member countries.

1994–1997                      Bureau of Labor Statistics      Washington, DC

**Associate Commissioner**

- Office of Compensation and Working Conditions. A position in the US Federal Government Senior Executive Service directing a program compiling statistics on labor compensation and other subject matter areas. The program had a budget of about \$55 million and a program staff of about 500, of which about 300 were directly subordinate central office staff, 40 engaged in software development, and 160 engaged in nationwide data collection.
- Managed development, testing and startup of a new integrated economic survey for measuring labor compensation in the US with no increase in budgetary resources, and redesign of survey measuring incidence of occupational injuries and illnesses in the US under a 20 percent reduction in budgetary resources. Undertook extensive outreach activities to other Federal and State agencies, to the Federal Salary Council, and to BLS regional staffs across the US, explaining new surveys and methods.
- Promulgated standardized business processes and data processing software across all surveys in the Office of Compensation and Working Conditions, replacing overly customized computer applications that incurred high maintenance and operating costs. The replacement systems used off the shelf components and common core applications, reducing development time for new surveys, maintenance effort for existing surveys, and enhancing cross-program operating efficiency.
- Articles accepted for publication in Proceedings of the Conference on Research in Income and Wealth: **Interarea and International Comparisons of Prices, Income, and Output**, March 15-16, 1996 (published in a National Bureau of Economic Research volume in 1999) on interarea comparisons of consumer prices and labor compensation. Summary presented at the Statistics Sweden Stockholm Conference on Measurement Issues in Official Statistics, September 23-24, 1996.

1992-1994                      International Monetary Fund      Washington, DC

**Economist**

- Performed advisory and technical assistance functions in development and compilation of real sector statistics for central statistical offices of applicant and member countries:
  - Bangladesh 1994: national accounts, consumer price index, producer price index, industrial and other sector surveys, organization of statistical office. Real sector specialist on multitopic mission.
  - Russia 1994: consumer price index. Review of issues at area department request.
  - Guyana 1993: national accounts, consumer price index. Real sector specialist on multitopic mission.

Berlin 1993: IMF/EUROSTAT/German Statistical Office course on compilation of price statistics. Taught concepts and computation sections for consumer and producer prices.

Belarus 1993: producer price index.

Kazakhstan 1992-93: consumer price index.

- Authored or co-authored articles published in **IMF Staff Papers**, **IMF Working Paper Series**, and **Journal of Banking and Finance**.
- Managed the **Direction of Trade Statistics** database compilation and publication, monitored real sector data of about 35 countries for reporting in the **International Financial Statistics** publication, and advised area department staff on data quality and statistical methodology of economic series.
- Developed or advised on the design of computer software for
  - in-country mission use to assist in development of major price indicators, and in staff training on index compilation methodology.
  - replacement of the IMF Economic Information System, specifically in series naming and classification, data capture from Area Department missions, and evaluation of the FAME database management system.
  - enhancement of the Direction of Trade Statistics computer system to handle the introduction of more than 20 new countries with expansion of separate trade reporting in eastern Europe and the former Soviet Union.

1985–1992                      Bureau of Labor Statistics                      Washington, DC

#### **Division Chief**

- Managed the Division of Price and Index Number Research, with a budget of about \$1 million and a staff of 8-12 research economists and 3-4 research assistants. Principal duties included project management, budgeting, and recruiting masters and doctorate level economic research staff.
- Published a number of articles in scholarly journals and books, gave presentations at professional conferences.

1978–1985                      Bureau of Labor Statistics                      Washington, DC

#### **Research Economist**

- Conducted original research in a variety of subject matter areas related to microeconomics, econometrics, and statistics, published a number of articles in scholarly journals and books, and gave presentations at professional conferences.
- Designed and implemented a system for enhancing estimates in the US Consumer Expenditure Survey by using post-censal population counts.
- Detailed to the Department of the Treasury in 1988-89 to work on an econometric model measuring the prospective impact of reduction in the tax rate on income from capital gains on gain realizations and tax revenue.

**Education**

1973–1978 University of North Carolina Chapel Hill, NC

- PhD Economics, Theory major, Econometrics minor.

1970–1973 University of Texas Arlington, TX

- BS Economics, Mathematics minor
- Graduated Summa Cum Laude.

**Interests**

Reading, fitness, yoga, hiking, computers.

**Publications**

Zieschang, K. Forthcoming. FISIM Accounting. in **Price and Productivity Measurement, Volume 3**. E. Diewert, B. Balk, D. Fixler, and K. Fox, Eds. Bloomington, IN: Trafford Publishing.

Diewert, E, D. Fixler, and K. Zieschang. Forthcoming. Problems with Measuring Financial Services in the National Accounts, in **Price and Productivity Measurement, Volume 3**. E. Diewert, B. Balk, D. Fixler, and K. Fox, Eds. Bloomington, IN: Trafford Publishing.

Zieschang, K. 2011. Recent Advances in Purchasing Power Parities (Review of 'Purchasing Power Parities of Countries: Recent Advances in Methods and Applications,' edited by D. S. Prasada Rao), **Review of Income and Wealth**, series 57, number 3, September.

Zieschang, K. 2009. Chapter 15, The System of Price Statistics; and Chapter 17, The Economic Approach (with Erwin Diewert), in **Export and Import Price Index Manual**. International Labor Organization, International Monetary Fund, Organization for Economic Cooperation and Development, United Nations Economic Commission for Europe, and The World Bank. Geneva: International Labor Organization, Washington, DC: International Monetary Fund.

Fixler, D., and K. Zieschang. 2006. Economic Statistics and the Transmission of Monetary Policy to the Real Economy, in Michael Belongia and Jane Binner, Eds, **Money, Measurement and Computation**, London: MacMillan.

Zieschang, K. 2004. Chapter 14, The System of Price Statistics, in **Consumer Price Index Manual**. International Labor Organization, International Monetary Fund, Organization for Economic Cooperation and Development, United Nations Economic Commission for Europe, and The World Bank. Geneva: International Labor Organization.

Zieschang, K. 2004. Chapter 14, The System of Price Statistics, in **Producer Price index Manual**. International Labor

Organization, International Monetary Fund, Organization for Economic Cooperation and Development, United Nations Economic Commission for Europe, and The World Bank. Washington, DC: International Monetary Fund.

Dridi, J., and K. Zieschang. 2004. Export and Import Price Indices, **IMF Staff Papers** 51(1), 157-194.

Bloem, A., P. Armknecht, and K. Zieschang. 2002. Price Indices for Inflation Targeting, in C. Carson, C. Enoch, and C. Dziobek, Eds., **Statistical Implications of Inflation Targeting**. Washington, DC: International Monetary Fund.

Kokoski, M., B. Moulton, and K. Zieschang. 1999. Interarea Price Comparisons for Heterogeneous Goods and Several Levels of Commodity Aggregation, in Alan Heston, and Irving Kravis, Eds, **Interarea and International Comparisons of Prices, Income, and Output**. Boston: National Bureau of Economic Research.

Pierce, B., J. Ruser, and K. Zieschang. 1999. Constructing Interarea Compensation Cost Indexes with Data from Multiple Surveys, in Alan Heston, and Irving Kravis, Eds, **Interarea and International Comparisons of Prices, Income, and Output**. Boston: National Bureau of Economic Research.

Fixler, D., and K. Zieschang. 1999. The Productivity of the Banking Sector: Integrating Financial and Production Approaches to Measuring Financial Service Output. **Canadian Journal of Economics** 32(2).

Kokoski, M., B. Moulton, and K. Zieschang. Interarea Price Comparisons for Heterogeneous Goods: Research Summary, in **Measurement Issues in Official Statistics**. Stockholm: Statistics Sweden.

Lequiller, F., and K. Zieschang. 1994. Drift in Producer Price Indices for the Former Soviet Union Countries, **IMF Staff Papers** 41(3), 526-532.

Lovell, C.A.K., and K. Zieschang. 1994. The Problem of New and Disappearing Commodities in the Construction of Price Indexes, in Abraham Charnes, William Cooper, Arie Lewin, and Lawrence Sieford, Eds, **Data Envelopment Analysis: Theory, Methodology, and Applications**. Norwell, Mass.: Kluwer.

Fixler, D., and K. Zieschang. 1993. An Index Number Approach to Productivity and Efficiency Measurement: An Application to Bank Mergers, **Journal of Banking and Finance** 17, 437-450.

Fixler, D. and K. Zieschang. 1992. Incorporating Ancillary Information on Process and Product Characteristics into a Superlative Productivity Index, **Journal of Productivity Analysis**, 2, 245-267.

- Fixler, D., and K. Zieschang. 1992. User Costs, Shadow Prices, and the Real Output of Banks, in Zvi Griliches, Ed, **Output Measurement in the Service Sectors**. Boston: National Bureau of Economic Research.
- Fixler, D. and K. Zieschang. 1991. Measuring the Nominal Value of Financial Services in the National Income Accounts, **Economic Inquiry** 24, 53-68.
- Zieschang, K. 1990. Sample Weighting Methods and Estimation of Totals in the Consumer Expenditure Survey, **Journal of the American Statistical Association** 85(412), 986-1001.
- Färe, R., and K. Zieschang. 1989. Determining Output Shadow Prices for a Cost-Constrained Technology, **Journal of Economics** 54, 143-155.
- Randolph, W., and K. Zieschang. 1987. Aggregation Consistent Restriction Based Improvement of Local Area Estimators, **American Statistical Association Proceedings of the Business and Economics Section**.
- Reece, W., and K. Zieschang. 1987. Output Price Indices for Regulated Monopoly, **Economics Letters** 25, 85-89.
- Greenlees, J., and K. Zieschang. 1986. Grouping Tests for Misspecification: An Application to Housing Demand, **Journal of Business and Economic Statistics**.
- Reece, W., and K. Zieschang. 1985. Consistent Estimation of the Impact of Tax Deductibility on the Level of Charitable Contributions, **Econometrica** 53, 271-294.
- Zieschang, K. 1983. A Note on the Decomposition of Cost Efficiency into Technical and Allocative Components, **Journal of Econometrics** 23, 401-405.
- Zieschang, K. 1983. An Extended Farrell Technical Efficiency Measure, **Journal of Economic Theory** 33, 387-396.
- Zieschang, K. 1983. On the Structure of Technologies of an Input-Limited Unit, in **Quantitative Studies on Production and Prices**, Würzburg-Vienna: Physica-Verlag.
- Greenlees, J., W. Reece, and K. Zieschang. 1982. Imputation when the Probability of Response Depends upon the Variable Being Imputed, **Journal of the American Statistical Association** 77, 251-261.

**Working Papers**

- Zieschang, K. 2013. FISIM Accounting.
- Dridi, J., and K. Zieschang. 2002. Compiling and Using Export and Import Price Indices, IMF Working Paper WP/02/230.

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Zieschang, K. 1985. Output Price Measurement when Output Characteristics Are Endogenous, BLS Working Paper 150.