

BART VAN ARK

CURRICULUM VITAE

Short profile

Bart van Ark (1960) is Senior Vice President and Chief Economist at The Conference Board, a global research organization with its head office in New York City in the United States. He is also a professor in Economic Development, Technological Change and Growth at the University of Groningen (The Netherlands). He is a former director and current member of the Groningen Growth and Development Centre (<http://www.ggdc.net>), a research group working on long term economic growth and productivity.

Van Ark obtained his Master and Ph.D. degrees in economics from Groningen University. From 1988 to 1990 he worked as a research associate with the National Institute of Economic and Social Research (UK) on international comparisons of economic performance in Europe. In 1990, van Ark came back to Groningen University, where he has been teaching in the areas of economic growth, development economics, economic history and international economics and business. He was appointed as a professor in 2000 (in the area of Economics of Productivity and Technology Policy), and as a full professor in 2004 (see <http://www.rug.nl/staff/h.h.van.ark/index>). Van Ark was also Associate Dean International Affairs of the Faculty of Economics and the Faculty of Management and Organization at Groningen University

Since 1997 van Ark has been associated with The Conference Board as their consulting director international economic research. In early 2007 he moved to New York to assume the position of Executive Director Economic Research, leading the economics research program in New York, Beijing and Brussels (see <http://www.conference-board.org/economics/research.cfm>). On 1 April 2008 he has assumed the position of Chief Economist.

Van Ark has extensively published in leading national and international journals, including the *Journal of Economic Perspectives*, *The Brookings Papers on Economic Activity*, and *Economic Policy*. From 2004-2008 he has been managing editor of the *Review of Income and Wealth*. He is also member of the editorial boards of several other academic journals and serves on various national and international advisory committees in the area of productivity and national accounts. He is involved in various projects sponsored by the Netherlands Scientific Council (NWO), the European 5th, 6th and 7th Framework Programmes, and the U.S. National Science Foundation.

Van Ark has participated in a range of international research projects, including the Productivity Program of the McKinsey Global Institute (1992 and 1993) and the CEPR Program on "Comparative Experience of Economic Growth in Postwar Europe" (1994-1996). From 2004-2008 he coordinated a large European consortium of research institutes on "Productivity in the European Union: A Comparative Industry Approach" (<http://www.euklems.net>). Van Ark also consulted for (inter)national government agencies, including the Dutch government, the European Commission and the OECD, as well as for private business. He is also associated with the German Institute for Economic Research (DIW) in Berlin as a Research Professor.

Personal details

Family Name van Ark
First Names Hubertus Herman (Bart)
Place and Date of Birth: Heerde, The Netherlands, 20 June 1960
Nationality: Dutch
Civil Status: Married, two sons (1991 and 1994)

Addresses and telephone/fax

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Employment Record

2010 to date	The Conference Board, Senior Vice President and Chief Economist
2008-2009	The Conference Board, Vice President and Chief Economist
2007-2008	The Conference Board, Executive Director (interim) for Economic Research
2004 to date	University of Groningen, Faculty of Economics: Professor in “Economic Development, Technological Change and Growth” (as of 1 July 2008: part-time)
2000 - 2004	University of Groningen, Faculty of Economics: Professor in “Economics of Productivity and Technology Policy”
1997 - 1999	University of Groningen, Faculty of Economics: Associate Professor (Senior Lecturer) in Economics
1990 - 1996	University of Groningen, Faculty of Economics: Assistant Professor (Lecturer) in Economics
1988 - 1990	National Institute of Economic and Social Research (NIESR), London: Research Officer
1986 - 1987	University of Groningen, Faculty of Economics: Ph.D. Researcher
1981 - 1985	University of Groningen, Faculty of Economics: Junior Research Assistant

Higher Education

University of Groningen:	B.A. (Kandidaats) in Economics (1981)
University of Groningen:	M.A. (Doctoraal) in Agricultural and Development Economics, with distinction: Cum Laude (1985)
University of Groningen:	M.A. (Doctoraal) in Economics (1986)
University of Groningen:	Ph. D. in Economics (1-4-1993), on “International Comparisons of Output and Productivity. Manufacturing Productivity Performance of Ten Countries from 1950 to 1990”

Additional Positions

1997 - 2006	Consulting Director International Economic Research of The Conference Board, New York
2000 - 2006	Chair of Dept. of International Economics and Business, Faculty of Economics, University of Groningen
2006 - 2007	Associate Dean International Affairs, Faculty of Economics and Faculty of Management and Organization, University of Groningen

Other (Academic) Functions

Present:

from 1998	Member International Advisory Board <i>International Productivity Monitor</i> , Centre for the Study of Living Standards, Ottawa (Canada)
from 2002	Research Professor, Deutsches Institut für Wirtschaftsforschung (German Institute for Economic Research), Berlin
from 2004	Member of Editorial Board <i>International Economics and Economic Policy</i>

Past:

1991-2008	Director (until 2002 Executive Secretary) of Groningen Growth and Development Centre, University of Groningen
1996-2001	Member of Council "European Historical Economics Society" Programme Director "Comparative Historical National Accounts", N.W. Posthumus Institute
1999-2001	Theme coordinator programme C: "Coordination and Growth of Economies", Research Institute Systems, Organization and Management (SOM), University of Groningen
2002-2003	Member of Evaluation Committee on Postdoc Proposals (VENI), Dutch Science Foundation (NWO)
2002-2003	Member of Research Programme Committee on "Measurement in the Digital Economy", Dutch Science Foundation (NWO)
2003-2004	High level expert on Information Society to Erkki Liikanen, EU Commissioner DG Enterprise
1992-2004	Member of Editorial Board <i>Review of Income and Wealth</i> .
1998-2004	Member of Advisory Committee on National Accounts, Statistics Netherlands
1998-2004	Member of Editorial Board <i>De Economist. Quarterly Journal of the Royal Netherlands Economics Association</i>
2002-2004	Member of Council "International Association for Research in Income and Wealth" (IARIW)
2003-2006	Member of Scientific Advisory Board of BAK Basel Economics, Basel (Switzerland)
2003-2006	Member of Advisory Board of Blekinge Institute of Technology, Blekinge (Sweden)
2004-2009	Managing Editor of the <i>Review of Income and Wealth</i> (with Stephan Klasen)
2005-2009	Vice-chairman of Expert Group on "Knowledge for Growth" for Janez Potocnik, EU Commissioner DG Research
2003-2008	Chairman of Programme Committee for Research Programme on "Dynamics of Innovation", Dutch Science Foundation (NWO/MagW) and Ministry of Economic Affairs (EZ/DGI)
2004-2008	Chairman of Advisory Committee on Macroeconomic Statistics, Statistics Netherlands
2004-2008	Member of Advisory Board of Centre for Innovation, Research and Competence in the Learning Economy (CIRCLE), University of Lund (Sweden)

Visiting Positions

1994: July	University of Coimbra, Portugal, Economics Faculty (1 week)
1995: April	CV Starr Center, New York University (1 week)
1996: October - December	RSSAP, Australian National University, Canberra (2 months)
2002: January - July	Economic Growth Center, Yale University (7 months)
2006: April	Visiting Professor, School of Economics, Fudan University, Shanghai (1 month)

Consultancies and Project Management

Past:

1994-2003	Various consultancies with OECD Economics Department (ECON) and Science, Technology and Industry (STI) Department, Paris.
1990-1992	Consultant for National Institute of Economic and Social Research, (NIESR), London.
1992-1993	Fellow of the McKinsey Global Institute, Washington D.C.
1995	Consultant for Labour Cost Research Associates Limited, London.
1995-1996	Project coordinator INTAS project "Productivity Performance and Potential of the Independent States of the Former Soviet Union".
1996	Consultant for Eurostat Industrial Statistics Division.
1998-2003	Project leader "Structural Information Provision Innovation in Services", Ministry of Economic Affairs, The Hague
2001-2002	Project leader "ICT and Growth Accounting" for DG ECFIN, European Commission (with CEPII, Paris)
2001-2004	Consultant for Italian Authority for Telecommunication and Media on "Economics of Knowledge"
2002-2003	Participation in project on "EU Performance Analysis of the EU Economy from the Point of View of its Industrial Sectors" for DG Enterprise, European Commission (with NIESR, London)
2004-2008	Project leader for EUKLEMS project "Productivity in the European Union: A Comparative Industry Approach", 6 th Framework Programme, DG Research (proposal 502049)

Research Programmes Associated With

Present:

1985 to date	Groningen Growth and Development Centre – Faculty of Economics, University of Groningen.
1994 to date	Research School "Systems, Organization and Management", programme C "Coordination and Growth of Economies", Faculty of Economics University of Groningen
1997 to date	Economics Programme of The Conference Board, New York

Past:

1981-1985	Long Term Growth in the Agricultural Sectors of Developed and Developing Countries - University of Groningen.
1988-1992	International Comparisons of Productivity and Investment in Human and Physical Capital - NIESR, London.
1992-1993	Manufacturing Productivity Project, McKinsey Global Institute, Washington D.C.
1992-1994	Comparative Experience of Economic Growth in Postwar Europe, Centre of Economic Policy Research, London.
1993-1999	N.W. Posthumus Institute, Research Programme "Comparative Historical National Accounts"
1994-1996	Productivity Performance and Potential of the Independent States of the Former Soviet Union, INTAS/European Union.
1995-1996	INTAS Project "Productivity Performance and Potential of the Independent States of the Former Soviet Union".

1996-1998	Economics Programme, Germany Institute, Amsterdam
1996-1999	Project on Services Innovation (SIID), Netherlands Ministry Economic Affairs, The Hague
2000-2004	EU 5 th framework programme on “Employment Prospects in the Knowledge Economy” (participant)
2000-2004	NWO (Netherlands Science Foundation) project on “Technology and Economic Growth” (TEG)
2003-2004	USAID project on “Information & Communication Technologies as Drivers of Economic Development in Post-Communist Countries” with Tiger (Warsaw, Poland)

Ph.D. and Postdoc Supervision

Present:

2004 -	Ph. D. project by Jutta Bolt on “Explaining Africa’s Growth Tragedy. The impact of initial conditions on growth performance”. Supervision together with prof. Robert Lensink. Project funded by local research school SOM
2006 -	Ph. D. project by Misbah Tanveer Choudhry on “Labour Dynamics and Economic Growth”. Supervision together with dr. Paul Elhorst. Project funded by NUFFIC

Past:

1994-1997	Ph.D. project by Remco Kouwenhoven on “Economic Performance and Potential in Former Centrally Planned Economies: China and the former Soviet Union, 1900-1993”, Promotor: Angus Maddison. Project funded by local research school SOM
1994-1996	Postdoc project by Peter Groote and Ronald Albers on “Capital Formation in European countries and United States in Historical Perspective”. Project funded by NWO (Netherlands Science Foundation)
1998-2002	Ph.D. project by Jaap Sleifer on “Structural Change and Growth in East and West Germany, 1936-1995”. Supervision together with prof. Rainer Fremdling. Project funded by NWO (Dutch Science Foundation) through Germany Institute Amsterdam (Ph.D.: 13 February 2003)
1998-2002	Postdoc project by Jan Pieter Smits on “Economic Growth and Technological Change in the Netherlands, 1800-1995”. Project funded by NWO (Netherlands Science Foundation)
1998-2003	Postdoc project by Marcel Timmer on “Productivity Dynamics of Asia since the 1960s”. Project funded by NWO (Netherlands Science Foundation)
1998-2002	Ph.D. project by Peter Hein van Mulligen on “The Role of Quality Change in International Comparisons of Output and Productivity”. Project funded by local research school SOM (Ph.D.: 25 Sept. 2003)

- 2002-2005 Ph.D. project by Robert Inklaar on “The Impact of ICT on the Phillips Curve, Productivity, and the Business Cycle: Differences across Europe and the US”. Supervision together with prof. dr. Jakob de Haan. Project funded by local research school SOM (Ph.D.: 12 January 2006)
- 1997-2006 Ph.D. project by Marieke Rensman on “Productivity Differentials and Externalities in European Growth, 1900-1995”. Supervision together with dr. Gerard Kuper. Project funded by NWO (Netherlands Science Foundation) (Ph.D.: 6 July 2006)
- 2003-2008 Ph. D. project by Ewout Frankema on “Growth and Inequality in Latin America and East Asia, ca. 1930-2000: An economic historical perspective”. Supervision together with dr. Jan Pieter Smits. Project funded by local research school SOM (Ph.D.: 6 March 2008)
- 2003 -2007 Ph.D. project by Abdul Azeez on “Innovation, Investment and the Measurement of Capital”. Supervision together with dr. Marcel Timmer. Project funded by local research school SOM (Ph.D.: 4 December 2008)

Knowledge of languages English and Dutch (mother tongue): fluent in speaking, writing and reading;
 French and German: good reading ability, initial speaking ability
 Spanish and Portuguese: initial reading ability

Publications (* = formally refereed)

Journal articles (in chronological order):

- * Bart van Ark (1988), "The Volume and Price of Indonesian Exports 1823-1940: The Long Term Trend and Its Measurement", *Bulletin of Indonesian Economic Studies*, December, pp. 87-120.
- * Angus Maddison and Bart van Ark (1989), "International Comparisons of Purchasing Power, Real Output and Labour Productivity: A Case Study of Brazilian, Mexican and US Manufacturing", *Review of Income and Wealth*, March, pp 31-55.
- * Bart van Ark (1990), "Comparative Levels of Labour Productivity in Dutch and British Manufacturing", *National Institute Economic Review*, February, pp 62-77.
- * Bart van Ark (1990), "Manufacturing Productivity Levels in France and the United Kingdom", *National Institute Economic Review*, August, pp 71-85.
- * Bart van Ark (1990), "Comparative Levels of Labour Productivity in Postwar Europe - Some Evidence for Manufacturing", *Oxford Bulletin of Economics and Statistics*, November, pp. 343-73.
- * Bart van Ark (1992), "Comparative Productivity in British and American Manufacturing", *National Institute Economic Review*, November.
- * Geoff Mason, SJ Prais and Bart van Ark (1992), "Vocational Education and Productivity in the Netherlands and Britain", *National Institute Economic Review*, May, pp. 45-63.
- * Bart van Ark and Dirk Pilat (1993), "Productivity Levels in Germany, Japan, and the United States: Differences and Causes", *Brookings Papers on Economic Activity: Microeconomics 2*, Washington D.C., December.
- Bart van Ark, Jakob de Haan and Remco Kouwenhoven (1993), "Het dynamische tekort van Nederland", *Economisch Statistische Berichten*, 8 december, pp. 1131-35.
- Dirk Pilat and Bart van Ark (1994), "Competitiveness in Manufacturing: A Comparison of Germany, Japan and the United States", *Banco Nazionale del Lavoro Quarterly Review*, no. 189, June, pp. 167-186. Also published as: "Competitivita nell'industria manifatturiera: un confronto tra Germania, Giappone e Stati Uniti", *Moneta et Credito*, September, pp. 335-356.
- * Geoff Mason, Bart van Ark and Karin Wagner (1994), "Productivity, Product Quality and Workforce Skills: Food Processing in Four European Countries", *National Institute Economic Review*, January, pp. 62-83.
- * Geoff Mason and Bart van Ark (1994), "Vocational Training and Productivity Performance: An Anglo-Dutch Comparison", *International Journal of Manpower*, Vol. 15, No. 5, pp. 55-69. Republished in R. McNabb and K. Whitfield (eds.), *The Market for Training*, Avebury, pp. 335-355.
- Geoff Mason, Bart van Ark and Karin Wagner (1994), "Productivité, qualité et compétences: Une comparaison européenne", *Formation Emploi*, No. 47, juillet-septembre, pp. 3-21.
- Bart van Ark (1994), "Arbeidsproductiviteit, arbeidskosten en internationale concurrentie", *Economisch Statistische Berichten*, 23 november, pp. 1066-69.
- Bart van Ark and Remco D.J. Kouwenhoven (1994), "La productivité du secteur manufacturier français en comparaison internationale", *Économie Internationale*, no. 60, Centre d'Études Prospectives et d'Informations Internationales (CEPII), Paris, 4th quarter.
- * Bart van Ark (1995), "Manufacturing prices, productivity and labor costs in five economies", *Monthly Labor Review*, July, pp. 56-72.
- Bart van Ark (1995), "Towards European Historical National Accounts", *Scandinavian Economic History Review*, vol. XLIII, no. 1, pp. 3-16.
- Bart van Ark (1995), "Produccion y productividad en el sector manufacturero español. Un analisis comparativo 1950-1992", *Información Comercial Española. La actividad empresarial en España*, Madrid, October, no. 746, pp. 67-77.

- Bart van Ark (1995), "The Manufacturing Sector in East Germany: A Reassessment of Comparative Productivity Performance, 1950-1988", *Jahrbuch für Wirtschaftsgeschichte*, no. 2, pp. 75-100.
- Jakob de Haan en Bart van Ark (1996), "Nederlandse economie presteert beter", *Economisch Statistische Berichten*, 5 juni, pp. 516-518.
- Bart van Ark and Herman de Jong (1996), "Accounting for Economic Growth in the Netherlands since 1913", *The Economic and Social History in the Netherlands*, volume 7.
- Bart van Ark and Rainer Fremdling (1997), "New Research in Historical National Accounting" *Jahrbuch für Wirtschaftsgeschichte*, no. 2, pp. 21-25
- * Bart van Ark, Erik Monnikhof and Nanno Mulder (1999), "Productivity in Services: An International Comparative Perspective", *Canadian Journal of Economics*, vol. 32, no. 2, April, pp. 471-499
- * Bart van Ark and Robert H. McGuckin (1999), "International Comparisons of Labor Productivity and Per Capita Income", *Monthly Labor Review*, July.
- Bart van Ark (2000), "Measuring Productivity in the "New Economy": Towards a European Perspective", *De Economist* (Quarterly Review of the Royal Netherlands Economic Association), Volume 148, No. 1, pp. 87-105.
- * Bart van Ark and Jakob de Haan (2000), "The Delta-Model Revisited: recent trends in the structural performance of the Dutch economy", *International Review of Applied Economics*, Vol. 14, No. 3, pp. 307-321.
- Bart van Ark (2000), "De Nederlandse productiviteitsparadox", *Economisch Statistische Berichten*, 1 December, pp. 974-976.
- Bart van Ark (2001), "Macro-economische statistiek: hoe en wat", *ESB Dossier: Vernieuwende Statistieken*, 15 March, pp. D8-D12.
- Bart van Ark and Jakob de Haan (2001), "The Dynamics of Growth, Stagnation and Recovery in Germany and the Netherlands since 1960", *Jahrbuch für Wirtschaftsgeschichte*, no. 1, pp. 95-106.
- Bart van Ark and Lorenzo Serrano (2001), "Productividad del sector manufacturas en España: medio siglo de crecimiento y convergencia" (Productivity in Spanish Manufacturing: Half a Century of Growth and Convergence), *Historia Industrial*, no. 19-20, pp. 77-101.
- Bart van Ark and Marcel Timmer (2002), "Notes and Communications: Industry Productivity Comparisons", *De Economist* (Quarterly Review of the Royal Netherlands Economic Association), Volume 140, No. 1, pp. 95-109.
- Bart van Ark (2002), "Measuring the New Economy: An International Comparative Perspective", *The Review of Income and Wealth*, vol. 48, issue 1, pp. 1-14.
- Bart van Ark (2002), "Productiviteit, technologie en groei: een zaak van investeren?", *Tijdschrift voor politieke economie*, vol. 23, no. 3, pp. 3-21.
- Bart van Ark (2002), "Mitkä toimialat johtavat globaalia tuottavuuskilpailua? EU, Suomi ja USA" (Which Industries Lead the Global Productivity Race? The European Union, Finland and the United States), *Talous & Yhteiskunta* (Economy and Society), no. 3, pp. 9-14, Labour Institute for Economic Research.
- Robert Inklaar, Jaap Sleifer and Bart van Ark (2002), "Innovatie en Productiviteit", *ESB Dossier: Duitsland*, 5 December, pp. D14-D16.
- Dirk Pilat, Frank Lee and Bart van Ark (2002), "Production and Use of ICT: A Sectoral Perspective on Productivity Growth in the OECD Area", *OECD Economic Studies*, vol. 35, no. 2, pp. 47-78.
- Bart van Ark, Robert Inklaar, Robert H. McGuckin and Marcel P. Timmer (2003), "The Employment Effects of the "new economy". A comparison of the European Union and the United States", *National Institute Economic Review*, No. 184, April, pp. 86-98 (downloadable from <http://www.niesr.ac.uk/epke/bartrev.pdf>)

- * Bart van Ark, Robert Inklaar and Robert H. McGuckin (2003), “ICT and productivity in Europe and the United States. Where do the differences come from?”, *CESifo Economic Studies*, Vol. 49, 3/2003, pp. 295–318 (downloadable from <http://www.eco.rug.nl/~inklaar/papers/ictdecompositionrev2.pdf>)
- Pim den Hertog, Lourens Broersma and Bart van Ark (2003), “Notes and Communications: On the Soft Side of Innovation: Services Innovation and its Policy Implications”, *De Economist* (Quarterly Review of the Royal Netherlands Economic Association), Volume 151, No. 4, pp. 433-452.
- Bart van Ark and Marcin Piatkowski (2004), “Productivity, Innovation and ICT in Old and New Europe”, *International Economics and Economic Policy*, vol. 1, pp. 215-246.
- Mary O’Mahony and Bart van Ark (2005), “Assessing the Productivity of the UK Retail Trade Sector: The Role of ICT”, *International Review of Retail, Distribution and Consumer Research*, Vol. 15, No. 3, 297 – 303, July.
- * Marcel P. Timmer, Robert Inklaar and Bart van Ark, “Alternative Output Measurement for the U.S. Retail Trade Sector”, *Monthly Labor Review*, July, pp. 39-45.
- * Marcel P. Timmer and Bart van Ark (2005), “IT in the European Union: A driver of productivity divergence?”, *Oxford Economic Papers*, vol. 57 no. 4, pp. 693-716.
- Bart van Ark, Robert Inklaar en Gjalt de Jong (2006), “ICT-gebruik, productiviteit, groei en waardecreatie”, *ESB Dossier ICT en economische groei*, September, SDU uitgevers.
- * Bart van Ark (2006), “Has the Japanese Economy Turned the Corner?”, *The Japanese Economy*, vol. 33, no. 3, Fall, pp. 10-26.
- Marcel P. Timmer, Mary O’Mahony and Bart van Ark (2007), “EU KLEMS Growth and Productivity Accounts: An Overview”, *International Productivity Monitor*, Spring, pp. 71-85.
- * Robert Inklaar, Marcel Timmer and Bart van Ark (2007), “Mind the gap! International comparisons of productivity in services and goods production”, *German Economic Review*, vol. 8, no. 2, pp. 281–307.
- * Lourens Broersma and Bart van Ark (2007), “ICT, Business Services and Labour Productivity Growth”, *Economics of Innovation and New Technology*, Vol. 16(6), September, pp. 433–449
- * Bart van Ark, Sean Dougherty, Robert Inklaar and Robert H. McGuckin (2007), “The Structure and Location of Business R&D: Recent Trends and Measurement Implications,” *International Journal of Foresight and Innovation Policy*, Vol. 4, No.1/2 pp. 8 - 29
- * Robert Inklaar, Marcel Timmer and Bart van Ark (2008), “Market Services Across Europe and the U.S.”, *Economic Policy*, Vol. 23 (53), January, pp. 139–194.
- * Bart van Ark, Mary O’Mahony and Marcel Timmer (2008), “The Productivity Gap between Europe and the U.S.: Trends and Causes”, *Journal of Economic Perspectives*, Vol. 22 (1), Winter, pp. 25-44.
- Robert Inklaar, Marcel Timmer and Bart van Ark (2008), “Data for Productivity Measurement in Market Services: An International Comparison,” *International Productivity Monitor*, Spring, pp. 72-81.
- Bart van Ark, Angus Maddison and Marcel Timmer (2008), “Purchasing Power Parity Measurement for Industry of Origin Analysis”, *The ICP Bulletin*, Vol. 5 (1), March, pp. 29-34.
- * Vivian Chen, Harry X. Wu and Bart van Ark (2009), “More Costly or More Productivity? Measuring Changes in Competitiveness in Manufacturing Across Regions in China”, *The Review of Income and Wealth*, Vol. 55 (special issue 1), pp. 514-537.
- Bart van Ark, Janet X. Hao, Carol Corrado & Charles Hulten (2009), “Measuring intangible capital and its contribution to economic growth in Europe”, *EIB Papers*, European Investment Bank, Vol. 14, No.1, pp. 62-99.

Books and Contributions to books (in chronological order):

- Angus Maddison and Bart van Ark (1988), "Comparisons of Real Output and Purchasing Power - Brazil/USA and Mexico/USA", in J. Salazar-Carillo and D.S. Prasada Rao, eds., *World Comparisons of Incomes, Prices and Product*, North Holland, Amsterdam.
- Bart van Ark (1991), "Productivity Measurement in Manufacturing: A Review of ICOP Estimates", in Korea Productivity Center, *Productivity Improvement through Labor Management and Technology Innovation*, Papers of International Productivity Symposium, Seoul, pp. 115-142; also in Korean in *Quarterly Productivity Review*, Korea Productivity Centre, vol. 24, October, p. 1-34.
- Bart van Ark (1993), *International Comparisons of Output and Productivity. Manufacturing Productivity Performance of Ten Countries from 1950 to 1990*, Ph.D. thesis, Monograph Series No. 1, Groningen Growth and Development Centre.
- * Bart van Ark (1993), "The ICOP Approach - Its Implications and Applications", in A. Szirmai, B. van Ark and D. Pilat, *Explaining Economic Growth*, North Holland.
- Geoff Mason and Bart van Ark (1996), "Productivity, Machinery and Skills in Engineering: An Anglo-Dutch Comparison", in David G. Mayes, ed., *Sources of Productivity Growth*, NIESR, Cambridge University Press.
- * Bart van Ark, Jakob de Haan and Herman de Jong (1996), "Characteristics of Economic Growth in the Netherlands During the Postwar Period", in Nicholas Crafts and Gianni Toniolo, eds., *Economic Growth in Europe Since 1945*, CEPR/Cambridge University Press.
- * Bart van Ark (1996), "Productivity and Competitiveness in Manufacturing: A Comparison of Europe, Japan and the United States", in K. Wagner and B. van Ark, eds. (1996), *International Productivity Differences. Measurement and Explanations*, Contributions to Economic Analysis, North Holland.
- * Geoff Mason, Bart van Ark and Karin Wagner (1996), "Workforce, product quality and economic performance", in Alison L. Booth and Dennis J. Snower, eds., *Acquiring Skills. Market Failures, Their Symptoms and Policy Responses*, CEPR/Cambridge University Press.
- * Bart van Ark (1996), "Sectoral Growth Accounting and Structural Change in Post-War Europe", in B. van Ark and N.F.R. Crafts, eds., *Quantitative Aspects of Post-War European Economic Growth*, CEPR/Cambridge University Press, pp. 84-164.
- * Bart van Ark (1996), "Convergence and Divergence in the European Periphery: Productivity in Eastern and Southern Europe in Retrospect", in B. van Ark and N.F.R. Crafts, eds., *Quantitative Aspects of Post-War European Economic Growth*, CEPR/Cambridge University Press, pp. 271-326.
- Bart van Ark (1996), "Issues in Measurement and International Comparison of Productivity - An Overview", in OECD, *Industry Productivity. International Comparison and Measurement Issues*, OECD Proceedings, Paris.
- Edwin Horlings and Bart van Ark (1998), "Benchmark Comparisons of Manufacturing Productivity in Eastern Europe, 1937-1989", in Bart van Ark, Erik Buyst and Jan Luiten van Zanden, eds., *Historical Benchmark Comparisons of Output and Productivity*, Proceedings of 12th International Economic History Congress, Madrid.
- * Bart van Ark and Jakob de Haan (1999), "A Miracle or Not? Recent Trends in the Growth Performance of the Dutch Economy ", in P.A.G. van Bergeijk, J. van Sinderen and B. Vollaard, eds., *Structural Reform in Open Economies*, Edwards Elgar, Cheltenham, pp. 157-179.
- Jakob de Haan and Bart van Ark (1999), "Income and Productivity in the Netherlands: The Role of the Labour Market and the Public Sector", in A. Clesse and H. van Gunsteren, eds., *The Vitality of the Netherlands*, Luxembourg Institute for European and International Studies, pp. 73-84

- * Bart van Ark, Erik Monnikhof and Marcel Timmer (1999), "Prices, Quantities and Productivity in Industry: A Study of Transition Economies in a Comparative Perspective", in R. Lipsey and A. Heston, *International and Interarea Comparisons of Prices, Income and Output*, NBER, Chicago University Press, pp. 327-364.
- Bart van Ark (2000), "Accumulation, productivity and technology: Measurement and analysis of long term economic growth", in: Eurostat, *Statistics, A Challenge for the Future*, Proceedings of the 85th DGNIS conference, Theme 0, Luxembourg.
- Bart van Ark (2000), "De vernieuwing van de oude economie: Nederland in een internationale vergelijkend perspectief" in L. Soete, ed., *ICT en de nieuwe economie, Pre-adviezen van de Koninklijke Vereniging voor de Staatshuishoudkunde 2000*, Lemma, Utrecht, pp. 21-59
- Bart van Ark and Jakob de Haan (2000), "Productivity, Income and Technological Change in the Netherlands: Causes and Explanations of Divergent Trends", in B. van Ark, S.K. Kuipers and G. Kuper, eds. (2000), *Productivity, Technology and Economic Growth*, Kluwer Academic Press, pp. 159-186.
- Bart van Ark (2001), "Productiviteit, technologie en groei: een zaak van investeren?", public lecture given at the inauguration of the Endowed Chair in "The Economics of Productivity and Technology Policy", 10 April.
- Bart van Ark (2001), "De 'klompenversie' van de productiviteitsparadox", in: S. Brakman and A. van Witteloostuijn, eds., *Jonge wijn in oude zakken*, Arbeiderspers, pp. 121-137.
- Angus Maddison and Bart van Ark (2002), "The International Comparison of Real Product and Productivity," in A. Maddison, D.S. Prasada Rao and W.F. Shepherd, eds., *The Asian Economies in the Twentieth Century*, Edwar Elgar, Cheltenham, pp. 5-26.
- Bart van Ark and M.P. Timmer (2002), "Realising Growth Potential: South Korea and Taiwan, 1960 to 1998," in A. Maddison, D.S. Prasada Rao and W.F. Shepherd, eds., *The Asian Economies in the Twentieth Century*, Edwar Elgar, Cheltenham, pp. 226-242.
- Marcel Timmer and Bart van Ark (2002), "Capital Formation and Foreign Direct Investment in Korea and Japan: Coping with Diminishing Returns," in J. Th. Lindblad, ed., *Asian Growth and Foreign Capital: Case Studies from Eastern Asia*, Aksant, Amsterdam, pp. 59-98.
- * Bart van Ark (2002), "Understanding Productivity and Income Differentials Among OECD Countries: A Survey," in A. Sharpe, F. St-Hilaire and K. Banting, eds., *The Review of Economic Performance and Social Progress. Towards a Social Understanding of Productivity*, CSLS/IRPP, pp. 69-92.
- Bart van Ark and Robert Inklaar (2003), "ICT Production and Use in Germany, Japan and the United States: A Comparison of Manufacturing and Services", in *Prospects for Core Industries in Japan and Germany*, Conference Proceedings, Publications of the Japanese-German Center Berlin, Berlin, pp. 108-122.
- Bart van Ark (2003), "Employment, Income and Productivity", Chapter 1.A, in ILO, *Key Indicators of the Labour Market*, Third Edition, Geneva.
- Bart van Ark (2003), "National Income Accounts. Historical Overview", in J. Mokyr, ed., *The Oxford Encyclopedia of Economic History*, Oxford University Press.
- Marcel P. Timmer and Bart van Ark (2003), "Economic Convergence and Divergence", in J. Mokyr, ed., *The Oxford Encyclopedia of Economic History*, Oxford University Press.
- * Bart van Ark, Robert Inklaar and Robert H. McGuckin (2003), "Changing Gear: Productivity, ICT and Service Industries in Europe and the United States", in J.F. Christensen and P. Maskell, eds., *The Industrial Dynamics of the New Digital Economy*, Edward Elgar, pp. 56-99.
- Bart van Ark (2004), "The Measurement of Productivity: What do the Numbers Mean?", in G. Gelauff, L. Klomp, S. Raes and Th. Roelandt, eds., *Fostering Productivity. Patterns, Determinants and Policy Implications*, Elsevier, pp. 28-61.
- Bart van Ark and Gjalte de Jong (2004), *Productiviteit in dienstverlening, Deel I: Wat het is en waarom het moet*, Koninklijke Van Gorcum/Stichting Management Studies, Assen.

- Bart van Ark (2005), "Misurazione ed analisi della produttività nella l'economia della conoscenza", in A. Pilati and A. Perrucci, eds., *Economia della conoscenza. Profili teorici ed evidenze empiriche, Autorità per la garanzie nelle comunicazioni*, il Mulino, pp. 479-565.
- Bart van Ark (2005), "International Productivity", in A.K. Vaidya, ed., *Globalization, Encyclopedia of Trade, Labor and Policies*, Volume I, ABC Clio, pp.165-176.
- * Bart van Ark (2006), "Does the European Union Need to Revive Productivity Growth?", in: Mundschenk, S. Stierle, M.H. Stierle-von Schütz, U. Traistaru, I., eds., *Competitiveness And Growth In Europe. Lessons and Policy Implications for the Lisbon Strategy*, Edward Elgar Publishers, pp. 101-124.
- Bart van Ark (2006), "Recent Productivity Development in the European Union in Comparative Perspective – with a focus on the Netherlands", in G. Evers and T. Wilthagen, eds., *Arbeidsproductiviteit en arbeidsdynamiek*, OSA-publicatie A217, pp. 25-38.
- Bart van Ark, Gjalt de Jong and Thomas Henriksen (2006), "Produktivitet – En Guide Til Vaerdiskabelse", in T.B. Hensriksen, ed., *Skabt Til Vaekst, 15 Vinkler Pa Danmarks Oekonomiske Fremtid*, Borsoens Forlag, Copenhagen.
- Bart van Ark and Marcel Timmer (2006), "Computers and the Big Divide: Productivity Growth in the European Union and the United States", in M. Mas and P. Schreyer (2006), *Growth, Capital and New Technologies*, Fundacion BBVA, Bilbao, pp. 149-169.
- Bart van Ark (2006), "Productivitat i Competitivitat", *Informe econòmic i social de les Illes Balears 2005*, pp. 289-315.
- Bart van Ark (2007), "Enhancing Productivity Requires More than ICT Alone", in T. Wolters, *Measuring the New Economy. Statistics between Hard Indicators and Intangible Phenomena*, Elsevier, pp. 53-63.
- * Sean M. Dougherty, Robert Inklaar, Robert H. McGuckin and Bart van Ark (2007), "International Comparisons of R&D Expenditure: Does an R&D PPP Make a Difference?", in Ernst R. Berndt and Charles M. Hulten, eds., *Hard-to-Measure Goods and Services: Essays in Honor of Zvi Griliches*, NBER/CRIW, The University of Chicago Press, pp. 291-322.
- Bart van Ark and Jan Pieter Smits (2007), "Technology regimes and productivity growth in Europe and the United States. A comparative and historical perspective", in B. Eichengreen, M. Landesmann and D. Stiefel, eds., *The European Economy in an American Mirror*, Routledge Studies in the World Economy, pp. 41-61.
- Bart van Ark and Marcin Piatkowski (2007), "Productivity, Innovation and ICT in Old and New Europe", in G. Cetto, M. Fouquin, and H-W Sinn, eds., *Divergences in Productivity between Europe and the United States. Measuring and Explaining Productivity Gaps Between Developed Countries*, Edward Elgar Publishers, Cheltenham, pp. 118-149 (extended and updated version from article under same title in *International Economics and Economic Policy*, vol. 1, pp. 215-246).
- Bart van Ark and Charles Hulten (2008), "Innovation, intangibles and economic growth: Towards a comprehensive accounting of the knowledge economy", in: Statistics Sweden, *Yearbook on Productivity 2007*, pp. 127-146.
- Bart van Ark and Marcel Timmer (2009), "Purchasing Power Parity Adjustments for Productivity Level Comparisons", in D.S. Prasada Rao, ed., *Purchasing Power Parities of Currencies. Recent Advances in Methods and Applications*, Edward Elgar, Cheltenham, pp. 344-366.

Reprints

- in: A. Maddison (1995), *Explaining the Economic Performance of Nations: Essays in Time and Space*, Edward Elgard Publishers: Angus Maddison and Bart van Ark (1989), "International Comparisons of Purchasing Power, Real Output and Labour Productivity: A Case Study of Brazilian, Mexican and US Manufacturing"
- in: W. Fischer, ed. (1997), *The Economic Development of Germany Since 1870*, vol. 2, Edward Elgar Publishers: Bart van Ark (1995), "The Manufacturing Sector in East Germany: A Reassessment of Comparative Productivity Performance, 1950-1988", pp. 498-523.

Edited Volumes

- * A. Szirmai, B. van Ark and D. Pilat, eds. (1993), *Explaining Economic Growth, Essays in Honour of Angus Maddison*, Contributions to Economic Analysis, North Holland.
 - * K. Wagner and B. van Ark, eds. (1996), *International Productivity Differences. Measurement and Explanations*, Contributions to Economic Analysis, North Holland.
 - * B. van Ark and N.F.R. Crafts, eds. (1996), *Quantitative Aspects of Post-War European Economic Growth*, CEPR/Cambridge University Press.
- J.P. Smits, J.L. van Zanden and B. van Ark, eds. (1996), *The Economic and Social History in the Netherlands*, volume 7, special issue on "Historical national accounts in the Netherlands".
- B. van Ark, ed. (1997), *Economic Growth in the Long Run. A History of Empirical Evidence*, The International Library of Critical Writings in Economics 76, Edward Elgar Publishers, 3 volumes.
- Bart van Ark, Erik Buyst and Jan Luiten van Zanden, eds. (1998), *Historical Benchmark Comparisons of Output and Productivity*, Proceedings of 12th International Economic History Congress, Madrid.
- * B. van Ark, S.K. Kuipers and G. Kuper, eds. (2000), *Productivity, Technology and Economic Growth*, Kluwer Academic Press.
- Guest editor of special issue on "Measuring the New Economy", *Review of Income and Wealth*, no. 1, 2002.
- O'Mahony, M. and B. van Ark, eds. (2003), *EU Productivity and Competitiveness: An Industry Perspective. Can Europe Resume the Catching-up Process?*, DG Enterprise, European Union, Luxembourg (downloadable from http://www.ggcd.net/pub/EU_productivity_and_competitiveness.pdf).
- Co-editor of special issue on "Competition and Market Power – Measurement, Theory, and Implications", *De Economist* (Quarterly Review of the Royal Netherlands Economic Association), Volume 151, No. 4, 2003.

(Co-)authored reports

- McKinsey Global Institute (1993), *Manufacturing Productivity*, Washington D.C., October.
- Bart van Ark and Erik Monnikhof, *The Industry of Origin Approach to Comparisons of Output and Productivity*, Report of a Methodological Study on Unit Value Ratios, Comparative Levels of Output and Productivity in EU Countries and the United States, commissioned by the Industry Statistics Division, Eurostat, Luxembourg, February 1997
- Robert McGuckin and Bart van Ark (1997), *Perspectives on a Global Economy. Understanding Differences in Economic Performance*, Report Number 1187-97-RR, Summer, The Conference Board Europe.
- Hertog, P. den, R. Vossen, B. van Ark and R. Bilderbeek (1997), *Towards a structural information provision on the role of services in innovation: Feasibility study ID-2 project*, TNO-STB, RU Groningen, August.

- Robert McGuckin, Kevin Stiroh and Bart van Ark (1997), *Perspectives on a Global Economy. Technology, Productivity, and Growth: U.S. and German Issues*, Report Number 1206-97-RR, Winter, The Conference Board Europe.
- Bart van Ark and Peter Hein van Mulligen (1998), *Purchasing Power Parities for Industry Comparisons. Final Report of a project for BAK-Basel, Switzerland*, University of Groningen
- Robert McGuckin and Bart van Ark (1998), *Perspectives on a Global Economy. Asia after the Crisis. Challenges for a Return to Rapid Growth*, Report Number 1219-98-RR, Summer, The Conference Board Europe.
- Jakob de Haan and Bart van Ark (1998), “Economische groeivoorzichten: het Nederlandse wonder ten einde?”, in ABN-AMRO, *Nederlands in het nieuwe Europa: Op weg naar hogere economische groei?*, Amsterdam.
- Robert McGuckin and Bart van Ark (1999), *Perspectives on a Global Economy: European Labor Markets after the Introduction of the Euro*, Winter, The Conference Board Europe.
- Bart van Ark and Erik Monnikhof (1999), “KILM 17: Labour productivity and unit labour costs”, in International Labour Office, *Key Indicators of the Labour Market 1999*, Geneva
- Robert McGuckin, Bart van Ark and Linda Barrington (2000), *Perspectives on a Global Economy: Are Poor Nations Closing the Gap in Living Standards?*, Report Number 1263-00-RR, The Conference Board.
- Robert McGuckin and Bart van Ark (2001), *Performance 2000: Productivity, Employment and Income in the World's Economies*, The Conference Board, New York.
- Robert McGuckin and Bart van Ark (2001), *Making the Most of the Information Age*, Perspective on a Global Economy, Research Report R-1301-01-RR. The Conference Board, New York.
- Bart van Ark and Erik Monnikhof (2001), “KILM 18: Labour productivity and unit labour cost indicator”, in International Labour Office, *Key Indicators of the Labour Market 2001-2002*, Geneva
- Robert McGuckin and Bart van Ark (2002), *Performance 2001: Productivity, Employment and Income in the World's Economies*, Research Report R-1313-02-RR, The Conference Board, New York.
- Robert McGuckin and Bart van Ark (2003), *Performance 2002: Productivity, Employment and Income in the World's Economies*, Research Report R-1328-03-RR, The Conference Board, New York.
- Bart van Ark, Lourens Broersma and Pim den Hertog (2003), “Services Innovation, Performance and Policy: A Review”, Synthesis Report in the Framework of the Project Structurele Informatievoorziening in Diensten (SIID) (Structural Information Provision on Innovation in Services), Research Series No. 6, Strategy, Research & International Co-operation Department Directorate-General for Innovation, Ministry of Economic Affairs, The Hague.
- Bart van Ark and Gerard Ypma (2003), “KILM 18: Labour productivity and unit labour cost indicator”, in International Labour Office, *Key Indicators of the Labour Market, Third Edition*, Geneva
- Robert McGuckin and Bart van Ark (2004), *Performance 2004: Productivity, Employment and Income in the World's Economies*, Research Report R-1351-04-RR, The Conference Board, New York.
- Netherlands' Ministry of Economic Affairs (2004), “Fostering excellence: Challenges for productivity growth in Europe”, background document for the Informal Competitiveness Council Maastricht, 1st-3rd July (based on research by prof. dr. Bart van Ark, prof. dr. Eric Bartelsman and McKinsey & Company).
- Robert H. McGuckin, Matthew Spiegelman, and Bart van Ark (2005), *The Retail Revolution. Can Europe Match U.S. Productivity Performance?*, Research Report R-1358-05-RR, The Conference Board, New York.

- Robert McGuckin and Bart van Ark (2005), *Performance 2005: Productivity, Employment and Income in the World's Economies*, Research Report R-1364-05-RR, The Conference Board, New York.
- Bart van Ark, Catherine Guillemineau, and Robert H. McGuckin (2006), "As U.S. Productivity Slows, Emerging Economies Grow Rapidly, but Europe Falls Further Behind", *Executive Action Series*, No. 176, January.
- Bart van Ark, Judith Banister, and Catherine Guillemineau (2006), "Competitive Advantage of "Low-Wage" Countries Often Exaggerated", *Executive Action Series*, No. 212, The Conference Board, October.
- Bart van Ark and Gail Fosler (2007), "Is ICT's Contribution to Productivity Growth Peaking?", *Executive Action Series*, No. 224, The Conference Board, January.
- Bart van Ark, Mary O'Mahony and Gerard Ypma (2007), *The EU KLEMS Productivity Report*, Issue 1, March 2007 (http://www.euklems.net/data/eu_klems_productivity_report.pdf)
- Bart van Ark (2008), *Performance 2008: Productivity, Employment and Growth in the World's Economies*, Research Report R-1421-08-RR, The Conference Board, New York.
- Bart van Ark, Ewout Frankema, Vlad Manole, and Andrew Tank (2008), *Growing Beyond Oil. Productivity, Performance, and Progress in the Countries of the Gulf Cooperation Council*, Research Report R-1426-08-RR, The Conference Board, New York.
- Bart van Ark, Kirsten Jaeger, Vlad Manole, and Andreas Metz (2009), *Productivity, Performance, and Progress: Germany in International Comparative Perspective*, The Conference Board, New York, March.
- Bart van Ark, Linda Barrington, Gail Fosler, Charles Hulten, and Christopher Woock (2009), *Innovation and U.S. Competitiveness, Reevaluating the Contributors to Growth*, Research Report 1441, The Conference Board, New York.

Working Papers (in chronological order):

- Bart van Ark (1986), "Indonesian Export Growth and Economic Development, 117 Years of Empirical Evidence, 1823 to 1940", *Research Memorandum*, no. 189, Institute of Economic Research, Groningen, May 1986.
- Angus Maddison and Bart van Ark (1987), "International Comparisons of Purchasing Power, Real Output, and Productivity in Manufacturing: A Pilot Study for Brazil, Mexico and the USA, 1975", *Research Memorandum*, No. 231, Institute of Economic Research, Groningen.
- C.L.J. van der Meer and B. van Ark (1987), "Growth and Productivity in Dutch Agriculture, A Comparative Perspective", in Bart van Ark e.a., "Economic Growth in Northwestern Europe: The Last 400 Years", *Research Memorandum*, No. 214, Institute of Economic Research, Groningen.
- Bart van Ark (1988), "Labour Productivity in Manufacturing: A Comparison of Brazil and the United Kingdom for 1975", *Research Memorandum*, no. 259, Institute of Economic Research, Groningen.
- Angus Maddison and Bart van Ark (1988), *Comparison of Real Output in Manufacturing*, World Bank Working Papers, WPS 5, Washington D.C., June.
- Geoff Mason, S.J. Prais and Bart van Ark (1990), "Vocational Education and Productivity in the Netherlands and Britain", *Discussion Paper No. 191*, National Institute of Economic and Social Research, London.
- Bart van Ark (1991), "Manufacturing Productivity in India: A Level Comparison in an International Perspective", *IDPAD Occasional Papers and Reprints*, No. 5, Indo-Dutch Alternative in Development, The Hague.

- D.P. Bhatia and B. van Ark (1991), "The Capital Stock in Indian Manufacturing: Estimates and International Comparisons, *IDPAD Occasional Papers and Reprints*, No. 4, Indo-Dutch Alternative in Development, The Hague.
- Dirk Pilat and Bart van Ark (1991), "Productivity Leadership in Manufacturing, Germany, Japan and the United States, 1973-1989", *Research Memorandum*, No. 456, Institute of Economic Research, Groningen, December (updated version March 1992).
- Bart van Ark (1993), *International Comparisons of Output and Productivity. Manufacturing Productivity Performance of Ten Countries from 1950 to 1990*, Groningen Growth and Development Centre, Monograph Series No. 1, Groningen.
- Geoff Mason and Bart van Ark (1993), "Productivity, Machinery and Skills in Engineering: An Anglo-Dutch Comparison", *NIESR Discussion Paper*, No. 36, NIESR, London.
- Geoff Mason, Bart van Ark and Karin Wagner (1993), "Productivity, Product Quality and Workforce Skills: Food Processing in Four European Countries", *WZB Discussion Paper*, No. FSI 93-309, Wissenschaftszentrum für Sozialforschung, Berlin; and in *NIESR Discussion Paper*, No. 34, NIESR, London.
- Bart van Ark, Jakob de Haan and Herman de Jong (1994), "Characteristics of Economic Growth in the Netherlands During the Postwar Period", *CEPR Discussion Paper Series*, No. 932, Centre for Economic Policy Research, London.
- Angus Maddison and Bart van Ark (1994), "The International Comparison of Real Product and Productivity", *Research Memorandum*, no. 567 (GD-6), Groningen Growth and Development Centre.
- Bart van Ark and Angus Maddison (1994), "An International Comparison of Purchasing Power, Real Output, and Productivity in Manufacturing Industries: Brazil, Mexico and the USA in 1975", *Research Memorandum*, no. 569 (GD-8), Groningen Growth and Development Centre.
- Nienke Beintema and Bart van Ark (1994), "Comparative Productivity in East and West German Manufacturing before Reunification", *CEPR Discussion Paper Series*, No. 895, Centre for Economic Policy Research, London; also published as *Research Memorandum*, no. 550 (GD-5), Groningen Growth and Development Centre.
- Bart van Ark and Remco D.J. Kouwenhoven (1994), "Productivity in French Manufacturing: An International Comparative Perspective", *Research Memorandum*, no. 571 (GD-10), Groningen Growth and Development Centre.
- Hans Gersbach and Bart van Ark (1994), "Micro Foundations for International Productivity Comparisons", *Research Memorandum*, no. 572 (GD-11), Groningen Growth and Development Centre.
- Bart van Ark (1994), "Measures and Explanations of Productivity. Differences in Manufacturing", *European Competitiveness. What Indicators for Industry?*, report of speeches and debates of the seminar organised on 10 November 1994 by DEBA GEIE, Brussels.
- Bart van Ark (1995), "Sectoral Growth Accounting and Structural Change in Postwar Europe", *Research Memorandum* GD-23, Groningen Growth and Development Centre.
- Bart van Ark and Jakob de Haan (1996), "Enhancing Growth Through Structural Reform", *SOM Research Report 96C16*, University of Groningen.
- Bart van Ark and Erik Monnikhof (1996), "Size Distribution of Output and Employment: A Data Set for Manufacturing Industries in Five OECD Countries, 1960s-1990", *Economics Department Working Papers*, no. 166, OECD, Paris.
- Barbara Z. Liberda, Erik J. Monnikhof and Bart van Ark (1996), "Manufacturing Productivity Performance in Poland and West Germany in 1989", *Economic Discussion Papers*, No. 25, Faculty of Economic Sciences, University of Warsaw, May.
- Erik Buyst, Guy Dejongh, Bart van Ark and Jan Luiten van Zanden, eds. (1996), "Historical Benchmark Comparisons of Output and Productivity, 1750-1990", *CES Discussion Paper*, Workshop in Quantitative Economic History Research Paper: 96-03, Centrum voor Economische Studiën, Katholieke Universiteit Leuven.

- Bart van Ark and Jakob de Haan (1997), "The Delta-Model Revisited: Recent Trends in the Structural Performance of the Dutch Economy", *Research Memorandum GD-38*, Groningen Growth and Development Centre.
- Bart van Ark (1999), "Accumulation, productivity and technology: Measurement and analysis of long term economic growth", *CCSO Quarterly Journal*, Volume 1, No. 2 - June (downloadable from <http://www.eco.rug.nl/ccso/quarterly/1999q2.html>)
- Bart van Ark (1999), "Economic Growth and Labour Productivity in Europe: Half a Century of East-West Comparisons", *SOM Research Report 00C01* (downloadable from: <http://som.rug.nl/>) and *Research Memorandum GD-41*, Groningen Growth and Development Centre (downloadable from <http://www.eco.rug.nl/ggdc/pub/>)
- Jan Pieter Smits, Herman de Jong and Bart van Ark (1999), "Three Phases of Dutch Economic Growth and Technological Change, 1815-1997", *CCSO Quarterly Journal*, Volume 1, No. 3 - September (downloadable from <http://www.eco.rug.nl/ccso/quarterly/1999q3.html>), and *Research Memorandum GD-42*, Groningen Growth and Development Centre (downloadable from <http://www.eco.rug.nl/ggdc/pub/>)
- Bart van Ark, Lourens Broersma and Gjalt de Jong (1999), "Innovation in Services. Overview of Data Sources and Analytical Structures", *Research Memorandum GD-44*, Groningen Growth and Development Centre (downloadable from <http://www.eco.rug.nl/ggdc/pub/>)
- Marcel Timmer and Bart van Ark (2000), "Capital formation and productivity growth in South Korea and Taiwan: Realising the catch-up potential in a world of diminishing returns", *CCSO Quarterly Journal*, Volume 2, No. 1 - March (downloadable from <http://www.eco.rug.nl/ccso/quarterly/index.html>)
- Bart van Ark and E.J. Monnikhof (2000), 'Productivity and unit labour cost comparisons: a data base', Employment Paper 2000/5, International Labour Office, Geneva (downloadable from <http://www.ilo.org/public/english/employment/strat/publ/ep00-5.htm>)
- Bart van Ark (2001), "The Renewal of the Old Economy: An International Comparative Perspective," *STI Working Paper 2001/5*, OECD, Paris
[http://www.olis.oecd.org/olis/2001doc.nsf/LinkTo/DSTI-DOC\(2001\)5](http://www.olis.oecd.org/olis/2001doc.nsf/LinkTo/DSTI-DOC(2001)5)
- Bart van Ark (2002), "Understanding productivity and income gaps in the OECD area: Are ICT and intangibles the missing links?", *CCSO Quarterly Journal*, Volume 4, No. 1 - March (downloadable from <http://www.eco.rug.nl/ccso/quarterly/index.html#2002q1-4>)
- Bart van Ark, Johanna Melka, Nanno Mulder, Marcel Timmer and Gerard Ypma (2002), "ICT Investments and Growth Accounts for the European Union 1980-2000", *Research Memorandum GD-56*, Groningen Growth and Development Centre, September (downloadable from <http://www.eco.rug.nl/ggdc/pub/>).
- Bart van Ark, Robert Inklaar and Robert H. McGuckin (2002), " "Changing Gear": Productivity, ICT and Services: Europe and the United States", *Research Memorandum GD-60*, Groningen Growth and Development Centre, December (downloadable from <http://www.eco.rug.nl/ggdc/pub/>).
- Robert Inklaar, Harry X. Wu and Bart van Ark (2003), "'Losing Ground" Japanese Labour Productivity and Unit Labour Cost in Manufacturing in Comparison to the U.S.", *Research Memorandum GD-64*, Groningen Growth and Development Centre, July (downloadable from <http://www.eco.rug.nl/ggdc/pub/>).
- Bart van Ark (2003), "The Productivity Problem of the Dutch Economy: Implications for Economic and Social Policies and Business Strategy", *Research Memorandum GD-66*, Groningen Growth and Development Centre, September (downloadable from <http://www.eco.rug.nl/ggdc/pub/>).
- Marcel Timmer, Gerard Ypma and Bart van Ark (2003), "IT in the European Union: Driving Productivity Divergence?", *Research Memorandum GD-67*, Groningen Growth and Development Centre, October (downloadable from <http://www.eco.rug.nl/ggdc/pub/>).

- Bart van Ark and Marcin Piatkowski (2004), “Productivity, Innovation and ICT in Old and New Europe”, *Research Memorandum GD-69*, Groningen Growth and Development Centre, March (downloadable from <http://www.ggdc.net/pub/gd69.pdf>)
- Bart van Ark, Ewout Frankema and Hedwig Duteweerd (2004), “Productivity and Employment Growth: An Empirical Review of Long and Medium Run Evidence”, *Research Memorandum GD-71*, Groningen Growth and Development Centre, May (downloadable from <http://www.ggdc.net/pub/gd71.pdf>)
- Marcin Piatkowski and Bart van Ark (2005), “ICT and Productivity Growth in Transition Economies: Two-Phase Convergence and Structural Reforms”, *TIGER Working Paper Series No. 72*, Warsaw, January (downloadable from <http://www.tiger.edu.pl/publikacje/TWPNo72.pdf>)
- Bart van Ark (2005), “Does the European Union Need to Revive Productivity Growth?”, *Research Memorandum GD-75*, Groningen Growth and Development Centre, May (downloadable from <http://www.ggdc.net/pub/gd75.pdf>)
- Robert H. McGuckin and B. van Ark (2005), “Productivity and Participation: An International Comparison”, *Research Memorandum GD-78*, Groningen Growth and Development Centre, August (downloadable from <http://www.ggdc.net/pub/gd78.pdf>)
- Bart van Ark and Robert Inklaar (2005), “Catching Up or Getting Stuck? Europe's Troubles to Exploit ICT's Productivity Potential”, *Research Memorandum GD-79*, Groningen Growth and Development Centre, September (downloadable from <http://www.ggdc.net/pub/gd79.pdf>); also as Economics Working Paper EPWP #06-02, The Conference Board (<http://www.conference-board.org/economics/workingpapers.cfm>)
- Bart van Ark, Edwin Stuivenwold and Gerard Ypma (2005), “Unit Labour Costs, Productivity and International Competitiveness”, *Research Memorandum GD-80* Groningen Growth and Development Centre, September (downloadable from <http://www.ggdc.net/pub/gd80.pdf>)
- Bart van Ark and Jan Pieter Smits (2005), “Technology Regimes and Productivity Growth in Europe and the United States: A Comparative and Historical Perspective”, Institute of European Studies, paper 051001, University of California, Berkeley (downloadable from <http://repositories.cdlib.org/ies/051001/>)
- Robert Inklaar, Marcel P. Timmer and Bart van Ark (2006), “Mind the gap! International comparisons of productivity in services and goods production”, Discussion Paper Series No.175, Institute of Economic Research, Hitotsubashi University, July 2006 (downloadable from <http://hi-stat.ier.hit-u.ac.jp/research/discussion/2006/pdf/D06-175.pdf>) and *Research Memorandum GD-86*, Groningen Growth and Development Centre, September (downloadable from <http://www.ggdc.net/pub/gd86.pdf>)
- Robert Inklaar, Marcel P. Timmer and Bart van Ark, “Canada’s Productivity in Goods Production and Services in International Comparative Perspective”, Industry Canada, Working Paper 2007-01 (downloadable from <http://www.ic.gc.ca/epic/site/eas-aes.nsf/en/ra02026e.html>)
- Sean M. Dougherty, Robert Inklaar, Robert H. McGuckin, Bart van Ark (2007), “International Comparisons of R&D Expenditure: Does an R&D PPP Make a Difference?,” *NBER Working Paper No. 12829*, January (downloadable from <http://papers.nber.org/papers/w12829>)
- Bart van Ark and Charles R. Hulten (2008), “Innovation, Intangibles and Economic Growth: Towards A Comprehensive Accounting of the Knowledge Economy,” *Economics Working Paper EPWP #07-02*, The Conference Board (<http://www.conference-board.org/economics/workingpapers.cfm>) December 2007.
- Vivian W. Chen, Harry X. Wu, Bart van Ark (2008), “Measuring Changes in Competitiveness in Chinese Manufacturing Industries Across Regions in 1995 – 2004: An Unit Labor Cost Approach”, *Economics Working Paper EPWP #08-03*, The Conference Board (<http://www.conference-board.org/economics/workingpapers.cfm>), June 2008.

Bart van Ark, Abdul Azeez Erumban, Vivian Chen and Utsav Kumar (2008), The Cost Competitiveness of Manufacturing in China and India: An Industry and Regional Perspective, *ICRIER Working Paper No. 228*, New Delhi (http://www.icrier.org/publication/working_papers_228.html)

Other (semi-academic) publications (columns, articles in magazines, etc.)

Bart van Ark (1994), "Automatisering blijft lastig voor statistici", *Automatiseringsgids*, 11 March.

Bart van Ark (1997), "In wiens belang eigenlijk?", *Groninger Kerkblad*, 2 November

Bart van Ark (1997), "Challenging Partners", *CPB Report*, no. 4, p. 56

Bart van Ark (1998), "Duitsland moet het in de breedte zoeken", *Economisch Statistische Berichten*, 30 januari, p. 71.

Bart van Ark (1998), "Productivity in a Global Economy", in The Conference Board, *Understanding People Factors in the Quest for Competitiveness*, Council Report 1220-98-CR

Robert McGuckin and Bart van Ark (1998), "Perspectives on a Global Economy: Asia after the Crisis -Challenges for a Return to Rapid Growth", *Chief Executive Digest*, vol. 2, no. 3, The Conference Board.

Bart van Ark (1999), "Human capital as a contributor to growth slowdown?", *CPB Report*, no. 4, p. 57-58.

Bart van Ark (2000), "Het imago van de leraar", *Kerk en Stad*, no. 3, 11 februari.

Bart van Ark (2000), "Op zondag aan de zijlijn ...", *Kerk en Stad*, no. 6, 24 maart

Bart van Ark (2000), "Van een nieuwe economie ... naar een productieve economie", *Economische groei verklaard: hoe reëel is de nieuwe economie?*, Creative Destruction Symposium, 19 april.

Bart van Ark (2000), "De economie en migranten", *Kerk en Stad*, no. 10, 19 mei

Bart van Ark (2000), "Een 'Nieuwe Economie'? Tien redenen waarom economen er maar niet aan willen", *Economisch Magazine*, no. 3, juni, pp. 43-45.

Bart van Ark (2000), " 'Oude' bedrijven haken aan bij nieuwe economie", *Automatiseringsgids*, 30 juni, p. 17.

Bart van Ark (2000), "Sociaal kapitaal", *Kerk en Stad*, no. 14, 21 juli.

Bart van Ark (2000), "Let the Games Begin !!", *Kerk en Stad*, no. 18, 22 september

Bart van Ark (2000), "De waarde van prijzen", *Economisch Statistische Berichten*, 24 november, p. 943.

Bart van Ark (2001), "Nieuwe economie overleeft niet door investeren alleen", *Automatisering Gids*, 29 juni, p. 19.

Bart van Ark (2005), "De goeie ouwe, nieuwe economie", *Economisch Statistische Berichten*, 1 juli, p. 304.

Bart van Ark (2005), "Productiviteitsverbetering vergt meer dan ict", *Tijdschrift voor informatie en management*, nr. 9, augustus.

Bart van Ark (2006), "Terwijl globaliseringstrein doordendert, steekt kerk kop in het zand", *Kerk en Stad*, februari

Bart van Ark (2007), "You Get What You Pay For: Gains from outsourcing jobs to low-wage countries are often offset by low worker productivity", *Worth*, February, p. 40.

Bart van Ark (2007), "Verdwijnen van Nederlandse multinationals geen ramp voor Nederlandse economie", Globalisering Kennis Website, Rijksuniversiteit Groningen.

Gail Fosler and Bart van Ark (2008), "The U.S. Economy: Getting the Diagnosis Right", The Conference Board, March 2008 (downloadable from http://www.conference-board.org/pdf_free/economics/USEconomy.pdf).

Bart van Ark (2008), "Taking the Measure of the U.S. Economy", From the Desk of Bart van Ark, Chief Economist, The Conference Board, April 2008 (downloadable from http://www.conference-board.org/pdf_free/economics/MeasureUSEconomy.pdf).

Bookreviews

- I.J. Ahluwalia, Industrial Growth in India, Stagnation Since the Mid-Sixties, and D.P. Bhatia, Inter-Class Distribution and Growth of Net National Product in a Developing Economy, A Case Study of India During the Sixties, in *De Economist*, No. 4, 1987.
- Ian M.D. Little, Dipak Mazumdar and John M. Page jr., "Small Manufacturing Enterprises: A Comparative Analysis of India and Other Economies", in *The Journal of Development Studies*, No. 3, 1989.
- H.H. de Haan, "Alternatives in Industrial Development, Sugarcane Processing in India", in *De Economist*, No. 3, 1990.
- Y. Kurabayashi and I. Sakuma, "Studies in International Comparisons of Real Products and Prices", in *The Economic Journal*, May 1992.
- Dollar, D. and E.N. Wolff, "Competitiveness, Convergence and International Specialization, in *The Economic Journal*, vol 104, no. 127, November 1994.
- Urquhart, C. and Associates, "Gross National Product, Canada 1870-1926: The derivation of estimates", in *Journal of Economic Literature*, vol. XXXII, December 1994.
- Foss, M.F., M.E. Manser and A.H. Young, eds., "Price Measurements and Their Uses", in *The Economic Journal*, January 1995.
- Maddison, A., "Explaining the Economic Performance of Nations. Essays in Space and Time", in *The Economic Journal*, September 1996.
- Eichengreen, B., ed. "Europe's Post-war Recovery", in *De Economist*, Vol. 145, No. 3, October 1997
- Jorgenson, D.W., "Productivity, Postwar U.S. Economic Growth (vol. 1)", and "Productivity, International Comparisons of Economic Growth (vol. 2)", in *Journal of the Japanese and International Economies*, vol. 12, June 1998.
- Snooks, G.D., "The Dynamic Society. Exploring the Sources of Global Change", in *NEHA Bulletin voor de economische geschiedenis*, vol. 13, no. 1, 1999
- Smits, J.P., E. Horlings en J.L. van Zanden, "Dutch GNP and its components, 1800-1913," in *NEHA Bulletin voor de economische geschiedenis*, vol. 14, no. 2, 2000
- O'Mahony, M., "Britain's Relative Productivity Performance, 1950-1996," *The Economic Journal*, 2001.
- "In Search of the Silver Bullet for Productivity Growth", review article of W.W. Lewis (2004), "The Power of Productivity" and M.N. Baily and J.F. Kirkegaard (2004), "Transforming the European Economy", *International Productivity Monitor*, Spring 2005.