Munk School of Global Affairs & Public Policy Office: 356S

University of Toronto
Phone: +1 416 946 8934

1 Devonshire Place
Phone: +1 416 946 8934

Toronto, Ontario, M5S 3K7

Email: tom.kemeny@utoronto.ca
Web: tkemeny.github.io

Canada

Professional Appointments

Associate Professor, Munk School of Global Affairs & Public Policy, University of Toronto, 2022–present

Reader, School of Business and Management, Queen Mary, University of London, 2019–2022

Senior Lecturer, School of Business and Management, Queen Mary, University of London, 2017–2019

Lecturer, Department of Geography and Environment, University of Southampton, 2014–2017

Senior LSE Fellow, Department of Geography & Environment, London School of Economics, 2013–2014

Research Assistant Professor, Department of Public Policy, University of North Carolina at Chapel Hill, 2010–2013

Postdoctoral Fellow, Lewis Center for Regional Policy Studies, University of California, Los Angeles, 2009–2010

Other Affiliations

Visiting Senior Fellow, LSE International Inequalities Institute, 2022–present

Visiting Fellow, LSE International Inequalities Institute, 2017–2022

Special Sworn Status Researcher, Center for Economic Studies, U.S. Census Bureau, 2010–2017

Faculty Fellow, UNC Chapel Hill Center for Urban and Regional Studies, 2012–2013

Associate Global Fellow, International Institute, UCLA, 2007-2008

Education

B.Commerce, Queen's University, Canada, 1996

M.Environmental Studies, York University, Canada, 1999

Ph.D. Urban Planning, University of California, Los Angeles, 2009

Citizenship

Canada and United States

Publications

Peer-Reviewed Journal Articles

GEOWEALTH-US: Spatial wealth inequality data for the United States, 1960-2020, Forthcoming 2024, *Nature: Scientific Data*. (with Joel Suss and Dylan Connor).

The Changing Shape of Spatial Income Disparities in the United States. 2023, *Economic Geography*. DOI: 10.1080/00130095.2023.2244111 (with Michael Storper).

Frontier Workers, and the Seedbeds of Inequality and Prosperity. 2023, *Journal of Economic Geography*. DOI: 10.1093/jeg/lbado18 (with Dylan Connor and Michael Storper).

Who Gets Left Behind by Left Behind Places? 2023 (forthcoming), *Cambridge Journal of Regions, Economy and Society*. DOI: 10.1093/cjres/rsado31 (with Aleksander Berg, Dylan Connor and Peter Kedron).

Disruptive Innovation and Spatial Inequality. 2022, *Regional Studies*. DOI: 10.1080/00343404.2022.2076824 (with Sergio Petralia and Michael Storper).

Are Mixed Neighborhoods More Socially Cohesive? Evidence from Nanjing, China. 2022, *Urban Geography*. DOI: 10.1080/02723638.2021.2021714 (with Ying Wang).

Local Job Multipliers Revisited, 2021, *Journal of Regional Science*. DOI: 10.1111/jors.12561 (with Taner Osman).

Does Assimilation Shape the Economic Value of Immigrant Diversity? 2021, *Economic Geography*. DOI: 10.1080/00130095.2021.1897462 (with Silje Haus-Reve, Abigail Cooke and Rune Dahl Fitjar).

The Fall and Rise of Interregional Inequality: Explaining Shifts from Convergence to Divergence, 2020, *Italian Journal of Regional Science*. DOI: 10.14650/97084 (with Michael Storper).

Creative Differences? Measuring Creative Economy Employment in the US and UK, 2019, *Regional Studies*. DOI: 10.1080/00343404.2019.1625484 (with Max Nathan and Dave O'Brien).

Vulnerable Jobs and the Wage Effects of Import Competition, 2019, *Industrial Relations*. DOI: 10.1111/irel.12240 (with Abigail Cooke and David Rigby).

The Wider Impacts of High-Technology Employment: Evidence from U.S. Cities, 2018, *Research Policy*. DOI: 10.1016/j.respol.2018.06.005 (with Taner Osman).

Immobility and the Brexit Vote, 2018, Cambridge Journal of Regions, Economy and Society.

DOI: 10.1093/cjres/rsx027 (with Neil Lee and Katy Morris).

 \hookrightarrow Winner, 2019 Understanding Society Paper Prize

Spillovers from Immigrant Diversity in Cities, 2017, *Journal of Economic Geography*. DOI: 10.1093/jeg/lbx012 (with Abigail Cooke).

The Economic Geography of Immigrant Diversity: Disparate Impacts and New Directions, 2017, *Geography Compass*. DOI: 10.1111/gec3.12331 (with Abigail Cooke).

Cities, Immigrant Diversity and Complex Problem Solving, 2017, *Research Policy*. DOI: 10.1016/j.respol.2017.05.003 (with Abigail Cooke).

Urban Immigrant Diversity and Inclusive Institutions, 2017, *Economic Geography*. DOI: 10.1080/00130095.2017.1300056 (with Abigail Cooke).

Plant Exit and U.S. Imports from Low-Wage Countries, 2016, International Economics.

DOI: 10.1016/j.inteco.2016.09.001 (with David Rigby and Abigail Cooke).

The Economic Value of Local Social Networks, 2016 *Journal of Economic Geography*. DOI: 10.1093/jeg/lbv043 (with Maryann Feldman, Frank Ethridge and Ted Zoller).

 \hookrightarrow Winner, 2016 Urban Land Institute Prize, best paper published in the Journal of Economic Geography.

Economic Development: A Definition and Model for Investment, 2016, *Environment and Planning C*. DOI: 10.1177/0263774X15614653 (with Maryann Feldman, Theodora Hadjimichael, and Lauren Lanahan)

U.S. Wage Inequality and Low-Wage Import Competition, 2015, *Tijdschrift voor economische en sociale geografie*. DOI: 10.1111/tesg.12123 (with David Rigby and Abigail Cooke).

Cheap Imports and the Loss of U.S. Manufacturing Jobs, 2014, *The World Economy*. DOI: 10.1111/twec.12238 (with David Rigby and Abigail Cooke).

Immigrant Diversity and Economic Performance in Cities, 2014, *International Regional Science Review*. DOI: 10.1177/0160017614541695.

Is Specialization Good For Regional Economic Development? 2014, *Regional Studies*. DOI: 10.1080/00343404.2014.899691 (with Michael Storper).

Cultural Diversity, Institutions and Urban Economic Performance, 2012 *Environment and Planning A*. DOI: 10.1068/a44385.

The Sources of Urban Development: Wages, Housing and Amenity Gaps Across American Cities, 2012 *Journal of Regional Science*. DOI: 10.1111/j.1467-9787.2011.00754.x (with Michael Storper)

Trading Away What Kind of Jobs? Globalization, Trade and Tasks in the U.S. Economy, 2011 *Review of World Economics*. DOI: 10.1007/s10290-011-0099-5 (with David Rigby).

Are Technology Gaps Growing or Shrinking in the Age of Globalization? 2011, *Journal of Economic Geography*. DOI: 10.1093/jeg/lbpo62.

Does Foreign Direct Investment Stimulate Technological Upgrading? 2010, World Development. DOI: 10.1016/j.worlddev.2010.03.001.

Books

The Rise and Fall of Urban Economies: Lessons from San Francisco and Los Angeles, 2015, Stanford University Press, Palo Alto. (With Michael Storper, Taner Osman and Naji Makarem).

Transitions in Regional Economic Development. 2018, Routledge, London. (Co-edited with Ivan Turok, David Bailey, Jennifer Clark, Jun Du, Ugo Fratesi, Michael Fritsch, John Harrison, Dieter Kogler, Arnoud Lagendijk, Tomas Mickiewicz, Ernest Miguelez, Stefano Usai, and Fiona Wishlade).

Chapters in Books

The American South in the Global Economy. In: *A Way Forward: Building a Globally Competitive South.*, 2011, edited by Daniel Gitterman & Peter Coclanis. University of North Carolina Press, Chapel Hill, p.73-78.

Technological Change, Geography of. In: *The Encyclopedia of Geography*, 2010, edited by Barney Warf. Sage Publications, Thousand Oaks.

Other Articles in Peer-Reviewed Journals

Regions in a time of pandemic, 2020, *Regional Studies*. DOI: 10.1080/00343404.2020.1798611 (with David Bailey, Jennifer Clark, Alessandra Colombelli, Carlo Corradini, Lisa De Propris, Ben Derudder, Ugo Fratesi, Michael Fritsch, John Harrison, Madeleine Hatfield, Dieter Kogler, Arnoud Lagendijk, Philip Lawton, Raquel Ortega-Argilés & Stefano Usai)

Rethinking regions in turbulent times, 2020, *Regional Studies*. DOI: 10.1080/00343404.2019.1698837 (with David Bailey, Jennifer Clark, Alessandra Colombelli, Carlo Corradini, Lisa De Propris, Ben Derudder, Ugo Fratesi, Michael Fritsch, John Harrison, Madeleine Hatfield, Dieter Kogler, Arnoud Lagendijk, Philip Lawton, Raquel Ortega-Argilés & Stefano Usai)

The Rise and Fall of Urban Economies: Lessons from San Francisco and Los Angeles, 2017, *AAG Review of Books*. DOI: 10.1080/2325548X.2017.1292591 (with Yuko Aoyama, Woody Powell, AnnaLee Saxenian, Allen J. Scott, Michael Storper, Naji Makarem, and Taner Osman).

Global Reversal, Regional Revival? 2017 *Regional Studies*; DOI: 10.1080/00343404.2016.1255720 (with Ivan Turok, David Bailey, Jennifer Clark, Jun Du, Ugo Fratesi, Michael Fritsch, John Harrison, Dieter Kogler, Arnoud Lagendijk, Tomas Mickiewicz, Ernest Miguelez, Stefano Usai, and Fiona Wishlade).

On Specialization, Divergence and Evolution: A Brief Response to Ron Martin's Review. 2016 *Regional Studies*; DOI: 10.1080/00343404.2016.1183975 (with Michael Storper, Taner Osman and Naji Makarem).

Working Papers

GEOWEALTH: spatial wealth inequality data for the United States, 1960-2020. 2023. LSE International Inequalities Institute Working Paper 99 (with Joel Suss and Dylan Connor).

The Transformative Effects of Tacit Knowledge. 2023. LSE International Inequalities Institute Working Paper 103 (with Sergio Petralia and Michael Storper).

Superstar Cities and Left-Behind Places: Disruptive Innovation, Labor Demand, and Interregional Inequality. 2020. LSE International Inequalities Institute Working Paper 41 (with Michael Storper).

Using Crunchbase to Explore Innovative Ecosystems in the US and UK. 2017. Birmingham Business School Discussion Paper 2017-01 (with Max Nathan and Bader Almeer).

Policy and Consultancy Publications

The Riches of the Melting Pot: How Diversity in Metropolitan Areas Helps Grow the Wages of Low and High-Wage Workers, 2016, Partnership for a New American Economy (with Abigail Cooke)

Creative Economy Employment in the US, Canada and the UK: A Comparative Analysis, 2016, NESTA (with Max Nathan, Andy Pratt and Greg Spencer)

21st Century Economic Development Evaluation System Report, Stage IV. U.S. Economic Development Administration (with Maryann Feldman, Lauren Lanahan and SRI International).

The U.S. Jobs and Innovation Accelerator Challenge. In: *An International Benchmarking Analysis of Public Programs for High-Growth Firms* 2013, OECD Local Economic and Employment Development Programme (LEED) & Danish Business Authority (DBA).

The Local Dimension of SME and Entrepreneurship Issues and Policies in Mexico, 2013, OECD Local Economic and Employment Development Programme (with John Potter, Marco Marchese, Maryann Feldman, Helen Lawton-Smith and Andy Pike).

Economics of Adaptation to Climate Change: Synthesis Report, 2010 World Bank (with Gordon Hughes, Robert Schneider, Kiran Pandey, and Urvashi Narain).

Sanitation and Economic Development: Making a Case for the MDG Orphan, 2007, Sanitation Policy Paper, WaterAid UK.

Prizes and Fellowships

Understanding Society Paper Prize, for best paper using Understanding Society (The UK household longitudinal study), 2019

Urban Land Institute Prize, for best paper in the Journal of Economic Geography, 2016

Dissertation Fellowship, Institute for Global Conflict and Cooperation, 2007-2008

Dissertation Year Fellowship, UCLA Graduate Division, 2007-2008

Hildebrand Fellowship For Canadian Studies, School of Public Affairs, UCLA, 2006-2008

Quality of Graduate Education Fellowship, Graduate Division, UCLA, 2004-2007

David and Marianna Fisher Fellowship, School of Public Affairs, UCLA, 2005-2007

Nonresident Tuition Fellowship, Graduate Division, UCLA, 2003-2007

Funded Research

UK Economic and Social Research Council (ESRC); "Diversity and UK Firm Performance," £1,402,992 (C\$2.4 million), Co-Investigator with Max Nathan (UCL), Jonathan Reades (UCL), Ceren Ozgen (Birmingham), Anna Valero (LSE), and Anna Rosso (Insubria); 2022-2025

Rockefeller Foundation & LSE Institute of Global Affairs; "Challenging urban decline narratives: enhancing community resilience," Co-Investigator with David Soskice, Mike Savage, Neil Lee, and Luna Glucksberg (all LSE), 2017–2019

University of Southampton, Adventures in Research; "TechEcosystems: Measuring Technology Ecosystems in the UK and US Using Big Data," £8,915, Principal Investigator, 2015–2016

Ewing Marion Kauffman Foundation, "Entrepreneurial Pathways: Understanding Dynamic Regional Economies," US\$110,000, Co-Investigator with Maryann Feldman, Nichola Lowe and John Scott, 2015

U.S. National Science Foundation; "The Economic Payoff of Immigrant Diversity in Cities: Evidence From Matched Employer–Employee Data." Grant #1359768 US\$170,630, Principal Investigator with Abigail Cooke, 2014–2016,

Ewing Marion Kauffman Foundation, "Dealmakers, Regional Social Capital and Firm Performance," Principal Investigator, US\$25,000, 2013–2014.

Regional Studies Association, Early Career Grant, "Leveraging the Economic Benefits of Cultural Diversity in Cities," Principal Investigator, US\$16,000, 2013-2014.

U.S. National Science Foundation, "Globalization, Trade and the Task Content of U.S. Employment." Grant#092530369, US\$214,870, Principal Investigator with David Rigby, 2010–2013.

John Randolph Haynes Foundation, "A Contrast in Economic Development: Los Angeles Versus San Francisco, 1970-2007," US\$196,335 Co-Investigator with Michael Storper, 2007-2012,

Media Coverage

Tech employment drives increased wages...Just like other high-paying jobs, *Chicago Policy Review* (Nov 20, 2018)

Brexit vote was driven by a backlash from people unhappy about 'immigration and economic decline where they lived', study claims, *Daily Mail* (January 4, 2018)

Immigrants boost wages for everyone, *Citylab* (June 27, 2017)

Economists, in letter to Trump, say immigration can boost growth, jobs, wages, *Chicago Tribune* (April 12, 2017)

Diverse Metros Mean Higher Wages For All, CityLab (January 12, 2017)

Catching Up is Hard to Do, City Journal (June 10, 2016)

Comparing the Creative Economies of Canada, the U.K., and the U.S, CityLab (April 20, 2016)

Why the Bay Area Prospered and Los Angeles Stagnated, Newsweek (Nov. 6, 2015)

Why San Francisco's Way of Doing Business Beat Los Angeles', Los Angeles Times (Oct. 23, 2015)

The Downsizing of the City of Outsized Dreams, Zocalo Public Square (Oct. 23, 2015)

Is LA or San Francisco Leading the Way to the Future?, National Public Radio (Oct. 13, 2015)

LA vs. San Francisco, National Public Radio (Oct. 8, 2015)

Book Review: 'The Rise and Fall of Urban Economies: Lessons From S.F. and L.A,' *Planetizen* (Sept. 23, 2015)

Why LA missed the new economy, LA Observed (Sept. 20, 2015)

The Rise and Fall of Urban Economies, San Francisco Chronicle (Sept. 17, 2015)

More Immigration Means Higher Wages for Workers, The Atlantic CityLab (Jul. 7, 2015)

More Immigration Means Higher Wages for Workers, Huffington Post (Jul. 13, 2015)

Keynote Addresses and Public Lectures

Innovation and spatial inequality. Keynote address at the Geography of Innovation Conference, Milan, 2022

Technological change, cities and spatial inequality. Public lecture, part of LSE's Shaping the Post-COVID World initiative, hosted by the LSE International Inequalities Institute, 2021.

Superstar cities and left-behind places: Disruptive innovation, labor demand and interregional inequality. Keynote address at the Italian Association of Regional Science (AISRe) Annual Conference, L'Aquila, 2019

Superstar cities and left-behind places: A long-run perspective on inequality and uneven development. Keynote address at the Regional Studies Association North American Conference, Montreal, 2019

Invited Talks

Drivers of change within and between urban cores. North American Cities in Changing Times: Rethinking the Urban Core for the City of the Future. UC Berkeley, 2023.

The changing face of tacit knowledge in technological change. Seminar in Innovation and Regional Development, HEC Montreal, 2023.

Disruptive innovation and the great divergence. The Bartlett Centre for Advanced Spatial Analysis, University College London, 2022.

Knowledge economy cities vs left-behind places: Can the gulf be narrowed? Centre for Innovation Management Research, Birkbeck, University of London, 2021.

Disruptive innovation and interregional inequality in the United States. Centre for Geography, Resources, Environment, Energy and Networks, Università Bocconi, Milan, 2019.

Superstar cities and left-behind places: A long-run perspective on US interregional inequality. LSE International Inequalities Institute Research Seminar, London, 2019.

Immobility and the Brexit vote. Evidence into Policy Fornight, Scottish Government, Edinburgh, 2019.

Superstar cities and left-behind places: A long-run perspective on innovation and uneven development. Manchester Institute of Innovation Research, University of Manchester, 2019

Disruptive innovation and inequality. Spatial Dynamics Lab, University College Dublin, 2018

Spillovers from immigrant diversity in cities, Regional Quantitative Analysis Group (AQR), University of Barcelona, 2017

Using LEED to understand immigrant diversity in the U.S. Institut für Arbeitsmarkt- und Berufsforschung (IAB), Nuremberg, 2017.

The economic value of local social networks. Urban Land Institute Annual Conference, London, 2017.

Cities, immigrant diversity and complex problem solving. Innovation Policy Lab, Munk School of Global Affairs, University of Toronto, 2017.

Cities, immigrant diversity and complex problem solving. Birmingham Business School, University of Birmingham, 2016.

Economic implications of immigrant diversity in cities. Department of Economics and Statistics, University of Turin, 2016.

The knowledge economy and the dynamics of city growth. Uddevalla Symposium on Regional Development, London, 2016.

Economic implications of immigrant diversity in cities. Business School, University of Stavanger, Stavanger, 2016.

The rise and fall of urban economies: Lessons from San Francisco and Los Angeles. The Bartlett DPU, University College London, 2015.

The rise and fall of urban economies. Centre for Cities, London, 2015.

Why cities succeed and fail today. London School of Economics, 2015.

Specialization and divergence: Lessons from San Francisco and Los Angeles. Cambridge Political Economy Society, Cambridge University, 2015.

International trade, wages and risky skills. Birkbeck Centre for Innovation Management Research, London, 2015.

Dealmakers and the economic value of local social networks. Centre for Urban & Regional Development Studies, Newcastle University, 2015.

Transforming specialization: Lessons from San Francisco and Los Angeles. Turku School of Economics, 2014.

Dealmakers, regional social capital and firm performance. Spatial Economics Research Centre, London School of Economics, 2014.

Fostering innovation in cities. Center for International Development. Duke University, Durham, 2012.

Urban growth and change in the USA: Employment or amenities. Institute for Housing and Urban Development Studies, Rotterdam, 2010.

Mysteries of economic development in Los Angeles and the Bay Area. USC Rena Sivitanidou Symposium, Los Angeles, 2010.

Conference Presentations

American Association of Geographers, Denver, 2023; Geography of Innovation Conference, Milan, 2022; Global Conference on Economic Geography, Dublin, 2022; North American Regional Science Council Annual Conference, Montreal, 2022; Geography of Innovation Conference, Stavanger, 2020; Cambridge Political Economy Society, Cambridge, 2019; Association of American Geographers, Washington DC, 2019; Regional Studies Association Winter Conference, London, 2018; Geography of Innovation Conference, Barcelona, 2018; Regional Studies Association Annual Conference, Dublin, 2017; Association of American Geographers Annual Meeting, Boston, 2017; Regional Studies Association Winter Conference, London, 2016; Uddevalla Symposium, London, 2016; Association of American Geographers Annual Meeting, San Francisco, 2016; Geography of Innovation Conference, Toulouse, 2016; Regional Studies Association Winter Conference, London, 2015; Global Conference on Economic Geography, Oxford, 2015; Association of American Geographers Annual Meeting, Chicago, 2015; Regional Studies Association Winter Conference, London, 2014; Regional Science Association Annual Meeting, St. Petersburg, 2014; Geography of Innovation Conference, Utrecht, 2014; Association of American Geographers Annual Meeting, Los Angeles, 2013; Association of Collegiate Schools of Planning Annual Conference, Cincinnati, 2012; Association of American Geographers Annual Meeting, New York City, 2012; Association of Collegiate Schools of Planning Annual Conference, Salt Lake City, 2011; Association of American Geographers Annual Meeting, Seattle, 2011; Association of American Geographers Annual Meeting, Washington, DC, 2010; North American Regional Science Council Annual Conference, San Francisco, 2009; Association of American Geographers Annual Meeting, Las Vegas, 2009; Martin Prosperity Institute Creative Economy Conference, Toronto, 2009; North American Regional Science Council Annual Conference, Brooklyn 2008; Annual Association of Collegiate Schools of Planning Conference, Milwaukee, 2007; Danish Research Unit for Industrial Dynamics Annual Conference, Copenhagen, 2007.

Teaching

Graduate

Statistics for Global Affairs (Toronto)

Comparative Public Policy: Cities and Regional Development Policy (Toronto)

Multinationals and global business (QMUL)

Undergraduate

Quantitative research methods (Southampton and QMUL)

Economic geography (Southampton)

Global world (Southampton)

Urban and spatial economic analysis I & II (LSE)

Doctoral Supervision

Ying Wang: Neighbourhood governance and social capital in contemporary China (Southampton, completed 2019)

Other Professional Activities

Editorships

Editorial Board Member, Journal of Economic Geography, 2017-present

Editorial Board Member, Progress in Economic Geography, 2022-present

Editor, Regional Studies, 2016-2021

Associate Editor, Regional Science, Regional Studies, 2014–2016

Editorial Board Member, Critical Planning, 2004–2005

Referee Service

Proceedings of the National Academy of Sciences; Research Policy; World Development; Journal of Economic Geography; Journal of Urban Economics; American Sociological Review; Urban Studies; Economic Geography; Regional Studies; Cambridge Journal of Regions, Economy & Society; Environment & Planning A; Environment & Planning C; Journal of Regional Science; Social Service Review; Papers in Regional Science; Journal of the American Planning Association; The World Economy; The Professional Geographer; Applied Geography; Regional Studies, Regional Science; European Urban and Regional Studies; Geography Compass.

Training

Fellow of the Academy (D2), UK Professional Standards Framework for Teaching and Supporting Learning (UKPSF)

University and Departmental Service

Director, MPP Admissions, Munk School, Toronto, 2023-Present

PhD Admissions Tutor, SBM QMUL, 2019-2022

ESRC Doctoral Training Centre Coordinator, Southampton, 2016–17

BA Programme Lead, Geography and Environment, Southampton, 2017

Ethics Review Board Member – Southampton Social Sciences, Education, Geography and Mathematics (SSEGM) Ethics Subcommittee, 2014–2016

Other Service

Member, Peer Review College, UK Economic & Social Research Council, 2015-Present

Reviewer, U.S. National Science Foundation, Geography and Spatial Sciences Program, 2014-Present

Reviewer, Social Sciences and Humanities Research Council of Canada, 2018-Present

Advisory Board Member: Structural Transformation, Adaptability and City Economic Evolutions Project (PI: Ron Martin, Cambridge University), 2015–2018

Advisory Board Member: Technology Evolution in Regional Economies (PI: Dieter Kogler, UC Dublin), 2018–2021

Co-organizer, AAG Economic Geography – Structure, Networks, Evolution & Policy sessions, 2017.

Policy/Consultancy

Measuring the creative economy in North America and the EU, NESTA, 2014-2015

Evaluating the U.S. Jobs and Innovation Accelerator Challenge Program, OECD, 2013

Evaluating investments in disadvantaged regions, U.S. Economic Development Administration, Department of Commerce; 2011-2014,

Evaluating Mexican federal and local SME policies, OECD, 2011.

Estimating climate change impacts on social protection programs in India, Ethiopia, Malawi and Bangladesh, World Bank, 2009-2010.

Estimating economic costs/benefit of global access to MDG basic sanitation, WaterAid UK, 2007.

Languages

English (native)

French (intermediate)

Spanish (Basic)

Last updated: January 4, 2024