

MARIA JOSEFINA FIGUEROA

Curriculum Vitae (01.2.2019)

Assistant Professor in Sustainability Management

Maria J. Figueroa is Assistant Professor in Sustainability Management at the Department of Management Society and Communication at Copenhagen Business School. Her research intersects scholarship from urban sustainability science, comparative international politics of climate mitigation and, innovation and partnerships for sustainable development. Her research focuses on the assessments of drivers, trends and challenges of sustainable low carbon transitions for sustainable development. Maria has been involved in high level International and European research studies contributing to assess the potential of social innovation for sustainability. She has advanced a strong scholarly interdisciplinary research work on drivers and trends for systemic climate and sustainability transitions. In her current research she is assessing the sustainability and climate mitigation impacts of innovative business models in areas such as collaborative and sharing economy, circular economy, and smart city solutions. Maria has a high level demonstrated record of impact related to sustainability management, she has been a contributing author to the Special Report 1.5°C of the Intergovernmental Panel on Climate Change (IPCC) published 2018; was Lead author in the 5th Assessment IPCC Report (AR5), published in 2014; she worked as Convened Lead Author in the Sustainability aspects of Energy and Transport Chapter of the international project Global Energy Assessment led by the International Institute for Applied System Analysis, Austria (IIASA) and published by Cambridge in 2012. Maria has been also contributor in several large European (Impact of Third Sector as Social Innovation ITSSOIN); and Danish Strategic Research Council funded projects (SUSTAIN Sustainability at national level) and (REBECA on Biofuels and Drivers & Limits) all dealing with sustainability transitions in Denmark. She co-edited a book with several colleagues at Roskilde University titled "A New Sustainability Agenda" published by Ashgate in 2010.

EMPLOYMENT

- 2018-current Assistant Professor, Department of Management Society and Communication, CBS
- 2015-2018 Assistant Professor, Department of Business and Politics, CBS
- 2009 - 2015 Assistant Professor, Department of Management, Technical University of Denmark
- 2006 - 2009 External Lector, Department of Environment, Technology and Social Studies, Roskilde University, Denmark and Technical University of Denmark
- 2001 - 2006 PhD Researcher, Dept. Environment, Technology and Social Studies, Roskilde University, Denmark
- 1997 - 2001 Environmental Planner, United Nations Collaborating Center on Energy and Environment, Risø National Laboratory, Denmark
- 1994 - 1997 Graduate Research Assistant, Institute of Urban and Regional Development at University of California at Berkeley
- 1989 - 1994 Research Assistant, International Energy Studies Group, Lawrence Berkeley Laboratory Berkeley, California.
- 1986 - 1989 Research Planner, Energy Conservation Division, Ministry of Energy and Mines Venezuela

EDUCATION

Roskilde University, Denmark

Doctor of Philosophy Democratic Politics in Environmental Decision-Making, June 2006.

University of California at Berkeley, U.S.A

Master of Art in City and Regional Planning, 1997

Master of Sciences in Energy and Resources, 1997

Central University of Venezuela,

Specialist in City and Regional Planning, 1988

Simon Bolivar University, Venezuela

B.Sc. in Urban Planning, Simon Bolivar University, Venezuela. 1984

AREAS OF RESEARCH INTEREST

- Interdisciplinary research methods for climate and sustainability management assessments
- International comparative assessment of climate mitigation and sustainability transitions.
- Analysis of drivers/trends conditions for stability, change and innovation for climate solutions.

- Urban innovation, digitalization and low carbon transitions
- Governing Sustainability Transitions, partnerships, non-state actors – democratic participation
- Integrating quantitative assessments tools (life-cycle- circular economy, scenarios, indicators)
- Theoretical frameworks to understanding shared responsibility in low carbon transitions.

TEACHING

Copenhagen Business School, Denmark

- Member of the Study Board for Master studies at Business Language and Development Studies, CBS
- Co-Cordinator of Master level education at Center for Business and Development Studies, Department of Management Society and Communication- CBS -February 2019
- Academic Coordinator of two courses under Copenhagen Sustainability Initiative (COSI). An inter-university academic initiative on Sustainability and Climate transition Challenges. Organized jointly by CBS with Copenhagen University and Technical University of Denmark since Fall2015.
- Coordinator of course Smart City-Urban Challenges as part of the EU-ERASMUS Urban Challenge Program, Copenhagen Business School

Danish Technical University, Denmark

- Lecturer Main Responsible in all aspects (design-content-lecturing) of teaching in course: "Planning and Politics of Sustainable Urban Development, Climate and Transport". Spring semesters 2008 - 2012. Course Syllabus available in Teaching portfolio
- Lecturer in Course: Urban Technology and Management: "Lecturing on Socio-Technical Transportation System Management". Falls 2008, 2009, 2010
- Lecturer in course Sustainable Transport Assessment: Lecture on Tools for Environmental Impact Assessment, 2012

Roskilde University, Denmark

- Co-Responsible-Main Course in "Environmental Policy and the Global Challenge – International, regional and Local Perspectives" Falls 2006, 2007
- Co-Responsible "Master Thesis Seminar. Master on Environmental Policy and the Global Challenge" Spring 2007.

Supervision PhD and Doctoral Students

Completed:

- Cardena Gaitan Carlos (2010- 2014) Maastrich University. Thesis title: Politics and Prospects of Sustainability for three Latin American Capitals. (Successfully finalized)
- Florianna Michael (2013-2017) Technological University of Malaysia: Thesis Title: Comparative Assessment and Implementation of Sustainable Urban Indicators for Malaysia. (Successfully finalized)

Supervision Master Thesis (at DTU-Transport and Roskilde University-RUC)

Graduated (list shows selected- full list more than 20 can be provided. Not included here names for Bachelor thesis and Internship Report)

- Kaja Hegstad Lilleng (CBS 2019) Alexander Raknes and Marius Ørum (CBS-2018); Lasse Dallerup (CBS-2018); Julius Møller Mellstrup (2018); Cecilie Katrine Nørgaard Agerbo Hansen and Kristoffer Nordal Rode la Cour (CBS-2018); Phillipe Schuller (CBS-2017); Ileana Vaxevani (CBS-2017); Angelica Rennerfelt (CBS-2017); Karla Aguilar (CBS-2017); Fabio Zechinni (DTU-2013) ; Nicola Rigoni (DTU-2011); Isaac Tsiboe and Ernest Marbell (RUC 2004) and 2008); Emile Tchepcher (RUC-2003); John Scott and Jude Ngoran (RUC 2003).

RESEARCH GRANTS

Principal Investigator: (2019) WAPA: Water, Women and Sustainability in Palestine. Submitted to research in Danida priority countries Window 1 in collaboration with Business School at Berziet University in West Bank, Lund University and Roskilde University.

C-Change Sustainable Inclusive Tourism in Tanzania (2018), application was finalist in the Danida priority countries Window 1 application. A collaboration with Business School at Dar es Salam University and Roskilde University.

PD Post Doctoral Research Fellow. (2015-2017) ITSSOIN Impact of third sector as Social Innovation. EU-F7 project grant. Center for Civil Society, Department of Business and Politics, Copenhagen Business School

PD Post Doctoral Research Fellow. (2014-2015) project "SUSTAIN Public private partnerships for Sustainability in Transport funded by Danish Strategic Research Council

PD Post Doctoral Research Fellow. (2009-2013) Shared Project Grant with 7 DTU-Transport researchers. Danish Strategic Research Council. "Drivers and Limits for Transport, Possible Contributors to Climate Change". DKK 17.741.598

PI Principal Investigator. UNEP UCCEE Grant (1999). Regional Workshop "Deals on Wheels: Sustainable Transport Initiatives in Developing Countries" San Salvador, El Salvador, 28-30 July 1999, Risø National Laboratory. UNEP Collaborating Centre on Energy and Environment. US \$20,000.

GA Graduate Assistant. Research and Travel Grant 1996. Seminar. "Energy and Resources Latin American Studies, University of California at Berkeley. US \$3,000.

RECOGNITIONS

(2019-2022) Selected as Lead Author with International Panel on Climate Change (IPCC) for their sixth assessment report AR6 in the chapter of Trends and Drivers, Working Group III

2019- Invited as Associate Editor to the open Journal Frontier in Sustainable Cities
<https://www.frontiersin.org/journals/sustainable-cities/sections/urban-energy-end-use#about>

(2018) Contributed Author to Special Report 1.5°C IPCC

(2018) Member of Emerald Open Research Advisory Board Sustainable Cities Gateway

(2017-2021) Member of Technical Advisory Panel for UK-DFID Department for International Development sponsored Programme Management Unit for an Applied Research Program in High Volume Low-Carbon Transport in Low Income countries and Cities in Africa and South Asian countries.

(2015) Reviewer of National Transport Climate Report and panellist with the 5th Mexican congress on Climate Research, organized by Autonomous National University, October 2015.

(2010-2014) Lead author by the International Panel on Climate Change (IPCC) for their fifth assessment report AR5 in the chapter on Transport for Working Group III.

(2009-2012) Convenient Lead Author of the Global Energy Assessment working on Knowledge Module 9: Energy End-Use (Efficiency) - Transport and Urban Planning. International Institute for Applied System Analysis (IAASA).

PROFESSIONAL SERVICE AND OTHERS

Service to academic/professional community, journals, presses, and conferences

- Coordinator and Academic Director of the COSI: Copenhagen Sustainability Initiative
<https://cosiuni.weebly.com/> COSI offers a joint Science, Technology, Business and Society education certificate to students from three Universities in Denmark, Copenhagen University KU, Technological University DTU and Copenhagen Business School CBS.
- Co-Academic Director of Master Science Education Center for Business and Development CBD
- Member of the Study Board of Bachelor of Business Language and Communication (BLCA) at CBS
- Represents CBS at CLEAN Cluster <https://www.cleancluster.dk/>
- Represents CBS at Danish network node of Intergovernmental Panel for Biodiversity and Ecosystems Services IPBES- IPBES Denmark Website: www.ipbes.dk
- Member of CONCITO, Danish Think Tank- Climate Work and the Future of Cities
<https://concito.dk/tema/fremtidens-byer>
- Invited as Social Innovation in Environmental Sustainability and Climate Expert to SI-Drive workshop on Social Innovation in Environment-Policy and Foresight in Europe. EU FP7 project SI-Drive March 17th 2017.
- Invited Co-Editor to the Energy System edition of the Journal Current Opinion on Sustainability to be published in April 2013

- Coordinator of the Cross-Cutting Group on Behavior and Climate Change for the Working Group 3 of the WGIII, toward the IPCC 5th Assessment Report (2011-2014)
- Delphi panel of Expert in the project “Urban Energy Cultures” which has a strong focus on future (energy-efficient) urban transport systems for New Zealand. Centre for Sustainability: Agriculture, Food, Energy, Environment (CSAFE). University of Otago, New Zealand (2013-2015)
- Contributor to Chapter for High School Education book: Nielsen, T., Figueroa, M., Gudmundsson H. (2012) Transport and Sustainable Urban Development. Chapter in book “Transport Horisonten” Danish Education Publisher
- Jury in the (2011) final competition of the Alliance for Global Sustainability (AGS) Nordic Engineers for Sustainable Development (NORESD) Chalmers, Centre for Environment and Sustainability SE - 412 96 Gothenburg, Sweden
- Reviewer for the following Journals: *Sustainability, Energies; International Journal for Sustainable Development & Planning; Journal of Management and Sustainability, Voluntas; Energy Policy; Environmental Research Letter; Journal Current Opinion in Environmental Sustainability; Journal Regional Environmental Change; Journal Transport Policy; World Conference Transport Research 2018, 2016; 2015.*
- Book reviewer for MIT Press Cambridge Massachusetts, Ashgate

LANGUAGES

Read, write, speak: English, Spanish, Danish.

Read, Basic Speak: Swedish, Portuguese

PUBLICATIONS

PEER-REVIEWED ARTICLES

*Figueroa, M., Nielsen, K., Creuzigt, F., Döbbe, F. (2019- forthcoming) Shared Mobility, a systematic review- ***Journal Environmental Research Letters (listed in JCI Impact Factor 4.541)***

*Figueroa, M., Köberle, A., Villamizar, A., Blanco, G., Cruz-Núñez, X., Keesler, D., Flores, C., Schaeffer, R., Gomez, J. (2019- forthcoming) “Comparing Conditions Shaping Mitigation Pathways across Latin America. ***Journal Climate Policy (listed in JCI Impact Factor 3.832)***

*Figueroa M. (2019) A practical take on Business Sustainability. Book Review in, Boganmeldelse for Effektivitet, Nr.1, 2019 www.effektivitet.dk

Nielsen, K., Gilligan, J., Dietz, T., Figueroa, M., Folke, C., Gwozdz, W., Ivanova, D., Reisch, L., van Vuuren, D., Vandenbergh, M., Wolske, K., Wood, R., Stern, P. (2019 –Invited forthcoming) Transformational Change for Rapid Climate Mitigation Requires Integrated Policy Analysis. ***Journal One Earth*** <https://www.journals.elsevier.com/one-earth>

*Figueroa M, Jiri Navratil, J., Turrini, A., and Krlev, G. (2018) “Social Innovation in Environmental Sustainability: Promoting Sharing Public Spaces for Bicycle Use” Chapter 7 in *Social Innovation Comparative Perspectives*, Edited by Anheier, H., Krlev, G., Mildenerger, G, Routledge 2 Park Square, Milton Park, Abingdon, Oxon, OX14 4RN

Lairet, R., Morón, V., Rebolledo, R., Rodríguez, D., Sánchez, J.C., Figueroa, M. (2018). Mitigación al Cambio Climático en Venezuela. [Climate Change Mitigation in Venezuela] In: Primer Reporte Académico de Cambio Climático 2018: Contribución de los Grupos de Trabajo I, II y III al Primer Reporte Académico de Cambio Climático (PRACC) de la Secretaría Académica de Cambio Climático (SACC) de la Academia de Ciencias Físicas, Matemáticas y Naturales (ACFIMAN) de Venezuela”. Edited by Villamizar, A., E. Buroz Castillo, R. Lairet Centeno, & J. Gómez. Ediciones Acfiman – Citeci, Caracas. 486pp. ISBN DC2018000406.

*Gammelgaard, B., Andersen, C., Figueroa, M. (2017) Improving urban freight governance and stakeholder management: A social systems approach combined with relationship platforms and value co-creation. *Journal of Research in Transportation, Business & Management*, <https://doi.org/10.1016/j.rtbm.2017.07.005> (listed in JCI Impact Factor 0.77)

*Kobayashi, S., Fulton, L., Figueroa, M. (2017) What Can Transport Deliver? Contrasting Scenario Pathways with New Technology Penetration. Institute of Transportation Studies, *University of California Davis, Working Paper* UCD-ITS-WP-17-02

Figueroa, M.; Greiffenberg, C.; Akinyi, E.; Brink, A.; Behrendt, C.; Krev, G.; Navrátil, J.; Placier, K.; Cavola, F., Turini, A.; Cancellieri, G. (2016). Social Innovation in Environmental Sustainability. Deliverable 6.4 of the project: “Impact of the Third Sector as Social Innovation” (ITSSOIN), European Commission – 7th Framework Programme, Brussels: European Commission, DG Research. www.ITSSOIN.eu

Bauer, A.; Hyaneck, V.; Figueroa, M.; Sandford, S.; Spalkova, D.; Bardi, J.; Greiffenberg, C. (2016), Social innovation in health care: The recovery approach in mental health. Deliverable 5.5 of the project: “Impact of the Third Sector as Social Innovation” (ITSSOIN), European Commission – 7th Framework Programme, Brussels: European Commission, DG Research.

*Figueroa M; Lah O; Fulton L; McKinnon A; Tiwari G. (2014). Energy for Transport. In *Annual Reviews of Environment and Resources*, Vol. 39: 295-325 DOI: 10.1146/annurev-environ-031913-100450 (listed in JCI Impact Factor 4.968) <http://www.annualreviews.org/eprint/Y6hSBjUWtsuQWJICeHeB/full/10.1146/annurev-environ-031913-100450>

*Sims, R., Schaeffer, R., Creutzig, F., Cruz-Núñez, X., D’Agosto, M., Dimitriu, D., Figueroa, M., Fulton, L., Kobayashi, S., Lah, O., McKinnon, A., Newman, P., Ouyang, M., Schauer, J.J., Sperling, D., Tiwari, G. (2014). Transport in Climate Change Working Group III contribution to the *Fifth Assessment Report, Intergovernmental Panel of Climate Change (IPCC) in: Climate Change 2014- Mitigation of Climate Change*, 5th Assessment Report. Working Group III. *Cambridge University Press*.

*Figueroa M; Sick Nielsen T; Siren A. (2014). Comparing Urban Form Correlations of the Travel Patterns of Older and Younger Adults. *Journal Transport Policy*, Vol 35 (2014)10–20 DOI 10.1016/j.tranpol.2014.05.007 (listed in JCI Impact Factor 1.510)

*Figueroa M; Fulton L., Tiwari, G.(2013). Avoiding, Transforming, Transitioning: Pathways for Sustainable, Low Carbon Passenger Transport for Developing Countries. *Journal Current Opinion for Sustainability*, Volume 5, Issue 2, June 2013, pp 184-190 (listed in JCI Impact Factor 4.658)

*Figueroa M., Kahn-Ribeiro S. (2013). Energy use for road passenger transport and sustainable development: policies and goals interactions. *Journal Current Opinion for Sustainability*, Volume 5, Issue 2, June 2013, pp 152-162 (listed in JCI Impact Factor 4.658)

*Golstein B., Herbøl M., Figueroa M.. (2013) Gaps in tools assessing the energy implications of renovating vs rebuilding decisions. *Journal Current Opinion on Sustainability*, Volume 5, Issue 2, June 2013 , pp 244-250 (listed in JCI Impact Factor 4.658)

*Kahn-Ribeiro S., Roy J, Urge-Vorsatzs D, Figueroa M., (2013). Editorial: Energy systems in the context of Sustainable Development. *Journal Current Opinion for Sustainability*, Volume5, Issue 2, June 2013, pp 136-140 <http://dx.doi.org/10.1016/j.cosust.2013.05.001> (listed in JCI Impact Factor 4.658)

*Michael Lendai, F., Noor Zainon, Z., Zardari Hassan, N., Figueroa, M., 2013. Analytical Hierarchy Process Application in Urban Sustainability Indicators Prioritization. *Journal Resources and Environment* Vol 3, pp1–5. <http://www.sapub.org/journal/currentissue.aspx?journalid=1020> (listed in JCI Impact Factor 1.961)

Gudmundsson, H., Ericsson, E., Tight, M., Lawler, M., Envall, P., Figueroa, M., Evanth, K. (2012): The Role of Decision Support in the Implementation of “Sustainable Transport” Plans, *European Planning Studies*, 20:2, 171-191 <http://dx.doi.org/10.1080/09654313.2012.650903> (listed in JCI Impact Factor 1.275)

*Kahn Ribeiro, S., Figueroa, M.J., Creutzig, F., Dubeux, C., Hupe, J., Kobayashi, S., 2012. Chapter 9 - Energy End-Use: Transport, in: *Global Energy Assessment - Toward a Sustainable Future*. International Institute for Applied Systems Analysis, Laxenburg, Austria, pp. 575–648. **Cambridge University Press**, Cambridge, UK and New York, NY, USA

Münster M., Møller, F., Figueroa, M., Jensen, T., Hofmeister, M. (2011) New Customer Services. In: *Energy for Smart Cities in an Urbanized World*. Edited by Larsen, H., and Sønderberg L. Risø Energy Report No10, Risø-R-1778(EN). ISBN 978-87-550-3905-6

Gudmundsson, H., Lawler, M., Figueroa M., Tight, M. (2011) ‘How Does Transport Policy Cope with Climate Challenges: Experiences from the UK and other European Countries’. *Journal of Transportation Engineering*, Volume 137, No 6, DOI: 10.1061/(ASCE)TE.1943-5436.0000107 (listed in JCI Impact Factor 1.10)

*Figueroa, M. J. (2010) ‘Global South Mobility, Democracy and Sustainability’ Chapter 9 in: ‘A New Sustainability Agenda’ **Ashgate**, London

Figueroa, M. J. (2006) ‘Byg Motorveje eller bevar naturen’ *Dansk Vejtidsskrift, Transportplanlægning*, 2006/08-32

*Figueroa, M. J. (2005), ‘Democracy, Civil Society and Automobility: Understanding Battles against Motorways’ In: *Social Perspectives on Mobility*, eds. T. Thomsen, L. Drewers and H. Gudmundsson, pp. 181-208. **Ashgate**, England.

Figueroa, M. J. (2004) ‘Public Participation and Environmental Integration in transport decision-making’ *Journal Urbanistica*, No 124, p.118-125. *Rivista quadrimestrale dell’ Istituto Nazionale di Urbanistica*. National Institute of Urbanism INU, Roma, Italy.

Figueroa, M.J. (2004) ‘Public Participation and environmental integration in transport decision-making’. *Urbanistica*, Numero 124 agosto 2004. Editore: INU Edizioni Srl

Figueroa, Maria. (1998). “Women, Transport, Energy and Environment” Guest Editorial, in *ENERGIA News, Newsletter of the Network for Women and Sustainable Energy*, Volume 2, Issue 2 May1998

Figueroa, M.J.; Davidson, O.R.; Mackenzie, G.A., (1998) ‘Matching transport and environment agenda in developing countries’. In: *Energy and technology: Sustaining world development into the next millennium*. Div. 4. The global energy sector: Concepts for a sustainable future. Vol. 6. 17. Congress of the World Energy Council, Houston, TX (US), 13-18 Sep 1998. (World Energy Council, London, 1998) p. 551-563

Figueroa, M.J., Mackenzie, G.A., Turkson, J. and Fenhann, J., (1997) ‘Confronting transportation, energy and environmental issues in developing countries’, *World Energy Council Journal*, July 1997, World Energy Council, London, p 41-46.

Schipper, Lee; Steiner, Ruth; Figueroa, Maria; Dolan, Kari. (1993) 'Fuel Prices, and Economy. Factors affecting Land Travel'. *Journal Transport Policy* 1993. Butterworth-Heinemann Ltd. Vol 1. 6-20 **(listed in JCI Impact Factor 2.40)**

Schipper, Lee; Figueroa, Maria; Price, Lynn; Espey, Molly. (1993) 'Mind the Gap: The Vicious Circle of Measuring Automobile Fuel Use'. *Journal Energy Policy*, December 1993. **(listed in JCI Impact Factor 2.696)**

BOOKS

Nielsen, K; Elling, B., Figueroa, M.J, Jelsøe E., (eds) (2010) "A New Agenda for Sustainability", Ashgate, London.

Figueroa, M. J. (2006). 'Democracy and Environmental Integration in Transport Decision-Making: An evaluation of decisions for large infrastructure projects' Ph.D. Thesis, Department of Environment, Technology and Social Studies, Roskilde University.

Book chapters

Figueroa, M. and Lah, O. (2019 forthcoming) "What do we know about human dimensions of sustainable energy for transport?" chapter in *Human Dimensions of Sustainable Energy*; Lopez, M; Antunes, C., Janda, K.eds. Routledge

Figueroa M, Jiri Navratil, J., Turrini, A., and Krlev,G.(2018) "Social Innovation in Environmental Sustainability: Promoting Sharing Public Spaces for Bicycle Use" Chapter 7 in *Social Innovation Comparative Perspectives*, Edited by Anheier,H., Krlev, G., Mildenberger, G, Routledge 2 Park Square, Milton Park, Abingdon, Oxon, OX14 4RN

Annette Bauer,A., Hyanek, V., Figueroa,M, Sandford, S.(2018) "Social Innovation in Health Care: The Recovery Approach in Mental Health" Chapter 6 in *Social Innovation Comparative Perspectives*, Edited by Anheier,H., Krlev, G., Mildenberger, G, Routledge 2 Park Square, Milton Park, Abingdon, Oxon, OX14 4RN

Hyanek,V., Navratil,J., Placier,K., Figueroa,M., Alvarez Garcia,B., Alvarez Gonzalez, L.(2018) "Social Innovation in Consumer Protection: Online Education for Alternative Financial Services" Chapter 8 in *Social Innovation Comparative Perspectives*, Edited by Anheier,H., Krlev, G., Mildenberger, G, Routledge 2 Park Square, Milton Park, Abingdon, Oxon, OX14 4RN

Sims, R., Schaeffer, R., Creutzig, F., Cruz-Núñez, X., D'Agosto, M., Dimitriu, D., Figueroa, M., Fulton, L., Kobayashi, S., Lah, O., McKinnon, A., Newman, P., Ouyang, M., Schauer, J.J., Sperling, D., Tiwari, G. (2014). *Transport in Climate Change Working Group III contribution to the Fifth Assessment Report, Intergovernmental Panel of Climate Change (IPCC) in: Climate Change 2014- Mitigation of Climate Change, 5th Assessment Report. Working Group III. Cambridge University Press.*

Kahn Ribeiro, S., Figueroa, M.J., Creutzig, F., Dubeux, C., Hupe, J., Kobayashi, S., 2012. Chapter 9 - Energy End-Use: Transport, in: *Global Energy Assessment - Toward a Sustainable Future*. Cambridge University Press, Cambridge, UK and New York, NY, USA and the International Institute for Applied Systems Analysis, Laxenburg, Austria, pp. 575–648.

Figueroa, M. J. (2010) 'Global South Mobility, Democracy and Sustainability' Chapter 9 in: 'A New Sustainability Agenda' Ashgate, London

*Figueroa, M.J.; Elling, B.; Erling, J., Aagard, K. (2010) "A New Sustainability Agenda: An Introduction" in "A New Sustainability Agenda", Ashgate, London.

Figueroa, M. J. (2005), 'Democracy, Civil Society and Automobility: Understanding Battles against Motorways' In: Social Perspectives on Mobility, eds. T. Thomsen, L. Drewers and H. Gudmundsson, pp. 181-208. Ashgate, England.

Book reviews

Figueroa, M., (2019) A Practical take on Business Sustainability. Book Review of: Yossi Sheffi, with Edgar Blanco, 2018 book: Balancing Green When to Embrace Sustainability in A Business -And when not to,). The MIT Press, Cambridge Massachussets. Effectivitet Nr.1, 2019 at www.effektivitet.dk

Figueroa, M., (2010) *Local Sustainable Urban Development in a Globalized World*, (Lauren C. Herbele and Susan M. Opp eds. Ashgate, Aldershot, London, 2008). *Journal European Spatial Research and Policy Vol 17, Number 1, 2010*

Reports

Kobayashi, S., Fulton, L., Figueroa, M. (2017) What Can Transport Deliver? Contrasting Scenario Pathways with New Technology Penetration. Institute of Transportation Studies, University of California, Davis, Working Paper UCD-ITS-WP-17-02

Figueroa, M.; Greiffenberg, C.; Akinyi, E.; Brink, A.; Behrendt, C.; Krlev, G.; Navrátil, J.; Placier, K.; Cavola, F., Turini, A.; Cancellieri, G. (2016). Social Innovation in Environmental Sustainability. Deliverable 6.4 of the project: "Impact of the Third Sector as Social Innovation" (ITSSOIN), European Commission – 7th Framework Programme, Brussels: European Commission, DG Research. www.ITSSOIN.eu

Bauer, A.; Hyánek, V.; Figueroa, M.; Sandford, S.; Spalkova, D.; Bardi, J.; Greiffenberg, C. (2016), Social innovation in health care: The recovery approach in mental health. Deliverable 5.5 of the project: "Impact of the Third Sector as Social Innovation" (ITSSOIN), European Commission – 7th Framework Programme, Brussels: European Commission, DG Research.

Hyánek, V.; Navrátil, J.; Placier, K.; Akinyi, E.A.; Figueroa, M.; Álvarez Garcia, B.; Sandres, N. (2016) Social Innovation in Consumer Protection in Alternative Financial Services. Deliverable 6.3 of the project: "Impact of the Third Sector as Social Innovation" (ITSSOIN), European Commission – 7th Framework Programme, Brussels: European Commission, DG Research.

Figueroa, M.; Tygstrup, C.; Hyánek, V.; Navrátil, J.; Preuss, S.; Ferlisi, M.; Turrini, A. (2015). Field description in Environmental Sustainability: Sustainability in Cities. Part 1 of deliverable 6.1 of the project: "Impact of the Third Sector as Social Innovation" (ITSSOIN), European Commission – 7th Framework Programme, Brussels: European Commission, DG Research.

Hyánek V.; Navrátil J.; Figueroa, M.; Tygstrup, C.; José Sanzo, M.; Álvarez, L., Álvarez, B.; Rey-García, M.; Felgueiras, M. (2015). Field description in Consumer Protection: Sustainability in Alternative Finance Systems. Part 2 of deliverable 6.1 of the project: "Impact of the Third Sector as Social Innovation" (ITSSOIN), European Commission – 7th Framework Programme, Brussels: European Commission, DG Research.

Bauer, A.; Hyánek, V.; Figueroa, M.; Sandford, S.; Spalkova, D.; Bardi, J.; Greiffenberg, C. (2015). Field description in Health Care. Part 2 of deliverable 5.1 of the project: "Impact of the third sector as Social Innovation" (ITSSOIN), European Commission – 7th Framework Programme, Brussels: European Commission, DG Research.

Nielsen, T., Figueroa, M., Gudmundsson, H. (2014) Transport og Bæredygtig Byudvikling [Transport and Sustainable Urban development] Working Paper. Transport Horizons a publication of the Department of Transport at Danish technical University.

Kristensen, N., Nielsen, T., Gudmundsson, H., Figueroa, M., et all (2014). *Drivers and Limits: Final Report*. Working paper produced by the Department of Transport, Danish Technical University as part of finalization of report "Drivers and Limits for Transport, Possible Contributors to Climate Change" funded by Danish Strategic Research Council.

Drewes, L., Kjærulff, A., Freudendal, M., Gudmundsson, H., Figueroa, M., Thormann, A., Kromann, A., Puggaard, A. (2013). Guide for Evaluation of Mobility Management Projects in Danish Context. Formel M. "Evalueringssguide af mobilitetsprojekter udviklet i Formel M" Gate 21, Vognporten 2, 2620 Albertslund, Denmark.

Figueroa, M.J., Gudmundsson, H. (2011) 'The inclusion of Environmental concerns in the development of Biofuel Policies for the Transport Sector: Comparative Developments in Sweden and Denmark'. DTU-Transport Internal Notat, Technical University of Denmark.

Gudmundsson, H., Figueroa, M., Eriksson, E., Evanth, K., Tight, M., Kimble, M., Envall, P. (2008) "The Role of Decision Support Information for Implementing Sustainable Transport Policies" Proceedings Transport Mistra' Final Scientific Conference, Lund, Sweden.

Figueroa Maria; (1999) (ed) 'Sustainable Transport Initiatives in Developing Countries'; papers presented at the Regional Workshop Deals on Wheels: Sustainable Transport Initiatives in Developing Countries, San Salvador, El Salvador, 28-30 July 1999, Risø National Laboratory. UNEP Collaborating Centre on Energy and Environment, Roskilde, 1999 Working Paper Series No. ISBN 87-550-2662-1 150p.

Figueroa, Maria; Sathaye, Jayant. (1993) 'Household Energy Use in Urban Venezuela. Implications from Surveys in Merida, Valencia, Maracaibo and Barcelona', Lawrence Berkeley Laboratory LBL 33199, August 1993.

Figueroa Maria. (1997) Transportation Energy Use in Bolivia: Environmental Implications, Policy Perspectives. Professional Report. Department of City and Regional Planning, University of California, Berkeley.

NON-PEER-REVIEWED ARTICLES

Figueroa, M.J. (2018). Are all pathways to sustainability paved with digitalization and technological acceleration? On the drivers and trends shaping Smart Cities, presented at 17th Annual STS Conference Critical Issues in Science, Technology and Society Studies, 7-8th of May 2018, Venue: Hotel Weitzer, Grieskai 12-16, 8020 Graz

Figueroa, M.J. (2017). Role of Collective Action and Social Innovation in Scaling-up Systemic Sharing of Space for Cycling and Sustainability in Cities. Presented at the 3rd International Workshop on the Sharing Economy, 15-16 September 2017 University of Southampton Winchester, United Kingdom

Figueroa, M.J. (2016) Third sector in social innovation for Sustainability in Cities: Sharing Mobility within the shrinking space of Civil Society. Presented at the 12th International Conference of the International Society for Third Sector Research ISTR- Stockholm, 29 June 01July 2016
<http://www.istr.org/?StockholmConference>

Figueroa, M. J. (2016) Motivation for Civic Engagement in Sharing Public Space for Sustainable Mobility. Paper presented at 2nd INTERNATIONAL WORKSHOP ON THE SHARING ECONOMY: How does the

sharing economy disrupt individual behaviors, industries and public regulation? 28-29 January 2016, Paris, France Location: ESCP – Europe, Paris campus www.shareco.eu

Figueroa, M.J.; Frederiksen, P., Gudmundsson, H. (2011) "Application of Sustainability Criteria for an environmentally adapted development of biofuels in Denmark" Proceedings of International Conference on Energy, Environment and Health- Optimization of Energy Systems, Copenhagen.

Figueroa, M.J (2009): The inclusion of Environmental concerns in the development of Biofuel Policies for Transport, Proceedings til Trafikdage på Aalborg Universitet 2009 ISSN 1603-9696.

Figueroa, M. J. (2006) 'Byg Motorveje eller bevar naturen' Dansk Vejtidskrift, Transportplanlægning, 2006/08-32

Figueroa, M.J. (2004) 'Democratic Participation And Environmental Integration: Can EIA/SEA Provide a Connection?' Planning for Sustainable Development: The practice and Potential of Environmental Assessment. Nordregio Report 2004. Stockholm.

Figueroa, Maria. (1998) 'Improving Financial Tools to Support Sustainable Transport through CDM and other Kyoto Mechanism'. Presented at "Moving the Economy. Economic Opportunities in Sustainable Transportation" Toronto 1998

Schipper, Lee and Figueroa Maria, (1994) "Trip Frequency, Modal Choice and Energy Use: Insights from an International Comparison of OECD Countries" Conference Proceedings of the Seventh International Conference on Travel Behavior IATBR-94, Valle Nevado, Santiago de Chile. Volume II.

Schipper, Lee; Figueroa, Maria; Gorham, Roger. (1994) 'People on the Move: A Comparison of Travel Patterns in OECD Countries'. International Energy Studies, Energy Analysis Program, Lawrence Berkeley Laboratory. June 1994.

Figueroa, Maria; Sathaye, Jayant. (1993) 'Household Energy Use in Urban Venezuela. Implications from Surveys in Merida, Valencia, Maracaibo and Barcelona', Lawrence Berkeley Laboratory LBL 33199, August 1993.

Figueroa, María; Ketoff, Andrea; Maser, Omar. (1992) 'Residential Energy Use and Conservation in Venezuela', International Energy Studies Group, Lawrence Berkeley Laboratory LBL-30508, October 1992.

SELECTED ORAL PRESENTATIONS

Figueroa M. (2019) Las Oportunidades y Retos de la Mitigacion del Cambio Climatico y de la Transicion Energetica. Academia de Ciencias Fisicas, Matematicas y Naturales y Academia de Ingenieria, 11 July 2019 Palacio de las Academias, Caracas, Venezuela.

Figueroa M. (2019) Science-Based targets, Planetary Boundaries and the SDGs. Key note in: Measuring impacts on the SDGs, an event Organized by Global Compact Network Denmark, 7 May 2019 Ørsted, Gentofte Denmark

Figueroa, M. (2018) The Urgency of Climate Change Mitigation: why it requires green energy transitions. Conference, Toward a research agenda for socially responsible green transitions. Copenhagen Business School, Copenhagen, 5-7 December 2018

Figueroa, M. (2018) What can an individual do to help limit climate change? A panel with Paul Stern, Norwegian University of Science and Technology and Environmental Research Institute (United States of America) Jonathan Gilligan, Associate Professor, Earth and Environmental Sciences, Vanderbilt

University and Diana Ivanova, Researcher at Department of Energy and Process Engineering, Norwegian University of Science and Technology (NTNU) Sustainability Seminar Series in collaboration with Sustainability Science Centre, University of Copenhagen, August 29, 2018 Main auditorium Solberg Plads CBS.

Figueroa, M. (2018) Digitalization climate and sustainability in IPCC Cities and Climate Change Science Conference, Edmonton, Canada 5-7 March, 2018 <https://citiesipcc.org/>

Figueroa, M. (2018) Are all pathways to sustainability paved with digitalization –Socio Technical Transition Conference- University of Graz, May 2018

Figueroa, M. (2017) Social Entrepreneurs and the Green Economy. Presentation made at Gathering to Grow-Meeting for Social Entrepreneurs. Workshop organized by Euclid Network, Erasmus for Young Entrepreneurs. Lisbon-Portugal, 19-20 January 2017. Euclid Network: www.euclidnetwork.eu

Figueroa, M. (2016) Role of Collective Action and Social Innovation in Scaling-up Systemic Sharing of Space for Cycling and Sustainability in Cities. Presented at the 3rd International Workshop on the Sharing Economy, University of Southampton, Winchester, United Kingdom 15-16 September 2016

Figueroa, M. (2016) Third sector in social innovation for Sustainability in Cities: Sharing Mobility within the shrinking space of Civil Society. Presented at the 12th International Conference of the International Society for Third Sector Research ISTR- Stockholm, 29 June 01 July 2016
<http://www.istr.org/?StockholmConference>

Figueroa, M. (2016) Motivation for Civic Engagement in Sharing Public Space for Sustainable Mobility. Paper presented at 2nd International Workshop On The Sharing Economy: How does the sharing economy disrupt individual behaviors, industries and public regulation? 28-29 January 2016, Paris, France Location: ESCP – Europe, Paris campus www.shareco.eu

Figueroa, M. (2015) Latin American Visions for Climate Change. At 5th Mexican National Climate Change Research Congress. Research Program on Climate Change, Autonomous University of Mexico UNAM, DF, Mexico.

Figueroa, M. (2015) Panel on Finance and Climate Change. At 5th Mexican National Climate Change Research Congress. Research Program on Climate Change, Autonomous University of Mexico UNAM, DF. Mexico

Figueroa, M. (2015) Panelist invited by United Nations Industrial Development Organization (UNIDO) to discuss Sustainable Transport in the context of Sustainable Energy and Climate on the Road to Paris COP21 at the Vienna Energy Forum, 19 June 2015. Austria.

Figueroa, M. (2015) Assessing Scenarios of Transport Sector for IPCC 5th Assessment Report (IPCC-AR5). In Session; Sustainable Consumption, Lifestyles, Mobility, and Cities. The 5th World Sustainability Forum 7–9 September 2015, Basel, Switzerland

Figueroa, M. (2014) Is a Breakthrough in Climate Governance on the Horizon. Sustainability Science Congress: Global Challenges Achieving Sustainability. IARU: International Alliance of Research Universities, Copenhagen University, 22nd –Friday 24th October <http://sustainability.ku.dk/lectures-congresses/previous/lectures-2014/>

Figueroa, M. (2014) “Conditions for emergence, stability and change in new organizations in the field of citizens climate action”. Conference New Directions in Climate Change Governance” organized by project CIDEA: Citizen Driven Environmental Action, Copenhagen University, October 20-21-2014

Figueroa, M. (2014) What makes Climate Governance so Hard? The Sovereignty Paradox and how to solve it. (debator to Prof. Inge Kaul and Prof. Ian Manners) Sustainability Lecture hosted by the

Sustainability Science Center in collaboration with the Department of Political Science, Copenhagen University. June 2, 2014

Figueroa, M. (2014) Is a Breakthrough on Climate Change Governance on the Horizon? At Copenhagen Sustainability Initiative (COSI) Seminar Series, 14 May 2014. Copenhagen Business School

Figueroa, M. (2013). Energy Use in Transport. Presentation of results from the Global Energy Assessment at Launch in Sweden GEA event. The International Institute for Industrial Environmental Economics, Tegnerpladsen 4 Lund, Main Aula, January 25th, 2013

Figueroa M., Nielsen, T., Siren, A. (2012) "Ageing and Urban location as drivers of Peak travel" Oral Presentation at EURA Conference 2012. Urban Europe Challenges to Meet the Urban Future. Vienna 20-22 september.

Figueroa, M.J.; Frederiksen, (2012) Results from the Danish Strategic Research Council funded projects (REBECA on Biofuels in Denmark. IDA Miljø (Miljøselskabet under Ingeniørforeningen i Danmark) Environmental Unit under the Danish Engineers Association.

Figueroa, M.J.; Frederiksen, P., Gudmundsson, H. (2011) "Application of Sustainability Criteria for an environmentally adapted development of biofuels in Denmark" Proceedings of International Conference on Energy, Environment and Health- Optimization of Energy Systems, Copenhagen.

Figueroa, M.J. (2009) and (2011); Invited to give presentation at the Engineers Association of Denmark: IDA Miljø (Miljøselskabet under Ingeniørforeningen i Danmark) Environmental Unit under the Danish Engineers Association. Transport and Sustainable Development. December, 2009, 2011

Figueroa, M.J (2009): The inclusion of Environmental concerns in the development of Biofuel Policies for Transport, Proceedings til Trafikdage på Aalborg Universitet 2009 ISSN 1603-9696.

Figueroa M., (2009) Transport and Sustainable Development. Presentation at the Engineers Association of Denmark: IDA Miljø (Miljøselskabet under Ingeniørforeningen i Danmark) Environmental Unit under the Danish Engineers Association. December, 2009

Figueroa M., (2007) Democracy, Mobility and Sustainability. Presented at the 3rd Congress of Sustainable Transportation: Mobility, Space and Society. Mexico City, DF, September 2007

MEDIA AND SOCIETAL ENGAGEMENT

Figueroa M. (2019) A practical take on Business Sustainability. Book Review in, Boganmeldelse for Effektivitet, Nr.1, 2019 www.effektivitet.dk

Interviews with Reuters October 2018; WIRED-CBS March 2018; <https://cbswire.dk/maria-figueroa-going-advise-world-leaders-climate-change/>

Interview with Politiken: Sunday 13-04-2014, pag6 with Ellen Ø Andersen. Transportsektoren kan punktere klimaplanerne; Berlingske: Monday 14-04-2014 <http://www.politiko.dk/nyheder/transportsektoren-kan-punktere-klimaplanerne>

Nielsen, T., Figueroa, M., Gudmundsson, H. (2014) Transport og Bæredygtig Byudvikling [Transport and Sustainable Urban development] Public Outreach Publication. Transport Horizons a publication of the Department of Transport at Danish technical University.

Figueroa, M. J. (2006) 'Byg Motorveje eller bevar naturen' Dansk Vejtidskrift, Transportplanlægning, 2006/08-32

INTERNATIONAL NETWORK:

•Close contact/collaboration with co-workers, colleagues and former supervisors, e.g. University of California at Berkeley and University of California at Davis, Columbia University, Risø National Laboratory, Danish Technical University, Roskilde University, Lund University, Gothenborg University, Swedish Environmental Protection Agency, Federal University of Rio de Janeiro, Universidad Autonoma de Mexico, Wuppertal Institute in Germany, Transportation Research and Injury Prevention Programme at the Indian Institute of Technology Delhi, Moshi University, Tanzania. Birzeit University, West Bank. Palestine
