

DR. SIMONE M. MÜLLER

PROJECT DIRECTOR & PRINCIPAL INVESTIGATOR DFG EMMY NOETHER RESEARCH GROUP
HAZARDOUS TRAVELS. GHOST ACRES AND THE GLOBAL WASTE ECONOMY

Rachel Carson Center for Environment and Society
Ludwig Maximilian University, Munich
Leopoldstrasse 11a, 80802 Munich, Germany

EDUCATION

- PhD in History, *summa cum laude*** 2012
Freie Universität Berlin, Germany
Dissertation Title: “The Class of 1866 and the Wiring of the World. Telegraphic Networks in Maritime Space, 1858-1914.”
Joint Advisors: M. Michaela Hampf and Sebastian Conrad.
- Bavarian State Exam in Education (Secondary School), *magna cum laude*** 2008
Julius-Maximilians-Universität, Würzburg, Germany
Concentration: History, English as a foreign language, Political Science.
- M.A. in History and American Studies, *summa cum laude*** 2007
Julius-Maximilians-Universität, Würzburg, Germany

ACADEMIC POSITIONS

- Project Director & Principal Investigator** Sept 2016 - present
Ludwig Maximilian University, Rachel Carson Center for Environment and Society
DFG Emmy-Noether Research Group
“Hazardous Travels. Ghost Acres and the Global Waste Economy”
- Maternity leave** 12/2017-6/2018 (full-time) and 9/2018-12/2018 (part-time)
- Assistant Professor for North American History** 2013-2016
Albert Ludwig University Freiburg, Dept. of History
- Research Fellow for North American History** 2013
German Historical Institute, Washington D.C., USA
- Assistant Professor for North American History** 2011-2013
Freie Universität Berlin, John F. Kennedy Institute for North American Studies

CURRENT PROJECTS

Hazardous Travels. A Ship's Tale of U.S. Ghost Acres and the Global Waste Economy, Second Book Project (Habilitation).

Hazardous Time-Scapes. How to make sense of toxic landscapes from multiple timed, spaced, and embodied perspectives?
Co-edited volume with May-Brith Ohman-Nielsen, Ohio University Press (authors commissioned, writing process).

“Conflicts: Underneath the Quiet Sea,” chapter in *A Cultural History of Sea in Global Age* (Ed. Franziska Thorma; series editor Margaret Cohen), Bloomsbury Press, print production process, scheduled 2020.

“Umwelt- und Klimapolitik in den USA: lokale Interessen und globale Verantwortung,” in Christian Lammert, Markus Siewert, Boris Vormann (Eds.) *Handbuch Politik in den USA*, Springer 2014. Revisions for 2nd edition.

PUBLICATIONS

MONOGRAPH

Wiring the World. The Social and Cultural Creation of Global Telegraph Networks. Columbia Studies in International and Global History. Edited by Matthew Connelly and Adam McKeown, New York: Columbia University Press, 2016.

EDITORSHIPS

Together with Annika Mattissek, “Green City. Explorations and Visions of Urban Sustainability,” Special Issue, *RCC Perspectives. Transformations in Environment and Society* 1 (2018).

Together with Heather Ellis, “Educational Networks, Educational Identities: Connecting 'National' and Global Perspectives,” Thematic Cluster, *Journal of Global History* 11, 3 (2016).

Together with Heidi Tworek, “Imagined Use as a Category of Analysis: New Approaches to the History of Technology,” Special Issue, *History and Technology* 32, 2 (2016).

Together with Peter Itzen “Risk as an Analytical Category: Selected Studies in the Social History of the Twentieth Century,” Special Issue, *Historical Social Research*. 41, 1 (2016).

Together with Heidi Tworek, “Communicating Global Capitalism,” Special Issue, *Journal of Global History* 10, 2 (2015).

Together with Heidi Tworek, “The Historical Governance of International Communications,” Special Issue, *Journal of Policy History* 27, 3 (2015).

Together with M. Michaela Hampf, *Global Communication Electric. Actors of a Globalizing World*, Frankfurt: Campus, 2013.

JOURNAL ARTICLES (PEER-REVIEW)

“Hidden Externalities: The Globalization of Hazardous Waste,” *Business History Review* 93, 1 (2019): 51-74.

Together with David Stradling, “Water as the ultimate sink: Linking fresh and saltwater history,” *International Review of Environmental History* 5, 1 (2019): 23-41.

“Corporate behaviour and ecological disaster: Dow Chemical and the Great Lakes Mercury crisis, 1970-1972,” *Business History* 60 (2018), 399-422.

- “Rettet die Erde vor den Ökonomen? Lawrence Summers’ Memo und der Kampf um die Deutungshoheit über den internationalen Giftmüllhandel,” *Archiv für Sozialgeschichte* 56 (2017), 353-373.
- “From Cabling the Atlantic to Wiring the World: A Review Essay on the 150th Anniversary of the Atlantic Telegraph Cable of 1866,” *Technology & Culture* 57 (2016), 507-526.
- “Cut Holes and Sink ‘em: Chemical Weapons Disposal and Cold War History as a History of Risk,” in Risk as an Analytical Category. Selected Studies in the Social History of the Twentieth Century. Special Issue, *Historical Social Research* 41 (2016), 263-286.
- “The ‘Flying Dutchmen’: Ships’ Tales of Toxic Waste in a Globalized World,” in Christof Mauch (Ed.) “Out of Sight, Out of Mind: The Politics and Culture of Waste,” *RCC Perspectives: Transformations in Environment and Society* 1 (2016), 13-20.
- “Beyond the Means of 99 Percent of the Population: Business Interests, States Intervention, and Submarine Telegraphy,” *Journal of Policy History* 27 (2015), 439-462.
- With Heidi Tworek, “The Telegraph and the Bank’: On the Interdependence of Global Communications and Capitalism, 1866-1914,” *Journal of Global History* 10 (2015), 259-283.
- With Heidi Tworek, “Editorial – Communicating Global Capitalism.” *Journal of Global History* 10 (2015), 203-211.
- With Heidi Tworek, “Introduction: The Governance of Global Communications,” *Journal of Policy History* 27 (2015), 405-415.
- “Chess by Cable. On the Interrelation of Technology and Sports in the Making of the Modern World,” *ICON* 19 (2014), 113-131.
- “Geographien der Globalisierung. Die Kabelstation von Heart’s Content, Neufundland zwischen globaler Integration, lokaler Fragmentierung und sozialer Differenzierung,” in *Technikgeschichte* 80 (2013), 51-70.
- “‘By Atlantic Telegraph’. A Study on *Weltcommunication* in the 19th Century,” in *medien & zeit* 25 (2010), 40-54.
- “The Transatlantic Telegraphs and the Class of 1866. Transnational Networks in Telegraphic Space, 1858 – 1884/89,” in *Historical Social Research* 35 (2010), 237-259.

BOOK CHAPTERS (PEER-REVIEW)

- “A wave of interest and action for planet Earth? How UNEP spoke for the environment from Stockholm to Rio,” Heidi Tworek et al. (Eds.), *International Organizations and the Media in the Nineteenth and Twentieth Centuries*, (Routledge Studies in Modern History), Routledge 2018, 204-231.
- “Umwelt- und Klimapolitik in den USA: lokale Interessen und globale Verantwortung,” in Christian Lammert, Markus Siewert, and Boris Vormann (Eds.), *Handbuch Politik in den USA*, Springer 2014.

“Wiring the Pacific. North American Perspectives on a (De-) Colonial Project,” in Eva Bischoff, Norbert Finzsch, and Ursula Lehmkuhl (Eds.), *Provincializing the United States. Colonialism, Decolonization, and (Post)Colonial Governance in Transnational Perspective*, Universitätsverlag Winter, 2014, 155-180.

“Working the Nation State: Submarine Cable Actors, Cable Transnationalism and the Governance of the Global Media System, 1858-1914,” in Isabella Löhr and Roland Wenzlhuemer (Eds.), *The Nation State and Beyond. Governing Globalization Processes in the Nineteenth and Twentieth Century*, Springer Press, 2012, 101-123.

“Telegraphy and the 'New Woman' in Late Nineteenth-Century Europe,” in Valerie Schäfer and Benjamin G. Thierry (Eds.), *Connecting Women. Women, Gender and ICT in Europe in the Nineteenth and Twentieth Century*, Springer 2015, 27-46.

VIRTUAL EXHIBITS (PEER-REVIEW)

“The Life of Waste.” *Environment & Society Portal*, Virtual Exhibitions 2018, no. 3. Rachel Carson Center for Environment and Society. <http://www.environmentandsociety.org/node/8452>.

JOURNALISTIC WRITINGS, REVIEWS AND OTHER PUBLICATIONS

“Plastic Passport” *Seeing the Woods. A Blog by the Rachel Carson Center*, December 6, 2018.

Together with Ayushi Dhawan, Maximilian Feichtner, and Jonas Stuck, “Hazardous Hope – An Academic Play,” in *Seeing the Woods. A Blog by the Rachel Carson Center*, October 9, 2019.

“Toxic Floods: Let’s Talk About the Weather,” in *Seeing the Woods. A Blog by the Rachel Carson Center*, November 10, 2017.

“Wie eine Leiter zum Mond,” in *DIE ZEIT*, July 27, 2016.

“Die lange Leitung,” in Hilmar Schmundt, Milos Vec, Hildegard Westphal (Eds.), *Mekkas der Moderne. Pilgerstätten der Wissensgesellschaft*, Köln: Böhlau, 2010.

Translations and Transcriptions for “I did not interview the Dead” by David P. Boder; Project by Professor Werner Sollors, Harvard University and the Illinois Institute of Technology, published 2011 by Heidelberg University Press.

“Porthurno. Das Kommunikationszentrum am Ende der Welt,” *Spiegel Online*, <http://www.spiegel.de/wissenschaft/mensch/0,1518,705352-2,00.html>. 2010.

“Die transatlantische Telegraphenverbindung und die Verkabelung der Welt. Epistemische Gemeinschaften und kulturelle Netzwerke im maritimen Raum, 1858-1914”, in *Rundfunk und Geschichte* (December 2009).

Together with Henriette Rytz “Gemeinsames Europa, gemeinsame Geschichte, gemeinsames Erinnern?” in: *AdHoc international* vol. 6 (September 2009).

“Convention in Dada: Baroness Elsa von Freytag-Loringhoven and her German poems in the *Little Review*,” in: *ELM: A Journal of Undergraduate Research* Nr. 1 (Fall 2004).

Reviews in H-Soz-Kult, *Journal of Modern History* and *Technikgeschichte*.

HONORS & AWARDS

Member “AcademiaNet” – the Portal to Excellent Women Academics	since 2017
Fellow at the Center for Interdisciplinary Research (ZIF), University of Bielefeld	since 2016
Fellow at the Junge CAS, Center for Advanced Studies, LMU Munich	since 2016
Maria Gräfin von Linden Prize, Verband Baden-Württembergischer Wissenschaftlerinnen, Prize for best presentation on <i>Hazardous Waste – a global bestseller?</i>	2015
MuT: Mentoring and Training for Women in Academia, Ministry for Science and Education, Baden-Württemberg.	2014-2016

FELLOWSHIPS

Short-Term Fellowship at the Science History Institute/University of Pennsylvania, Philadelphia, USA.	2017/18
Center for Advanced Studies, Junior-Fellow in Residence, LMU, Munich.	2015
Rachel Carson Center for Environment and Society, Junior Fellow-in-Residence-Fellowship, LMU, Munich.	2014
German Historical Institute, Fellowship in Residence for North American History, Washington D.C. (March – August 2013).	2013
Fulbright Foundation, Fulbright Summer Academy Fellowship in San Francisco and Washington D.C.	2012
Freie Universität Berlin, Center for Area Studies Post-Doc Fellowship (declined).	2012
Einstein Foundation, Falling Walls Fellowship, Berlin.	2010
Smithsonian Institutions, Washington D.C. Research Fellowship Museum for North American History.	2010
German Academic Exchange Service (DAAD) Doctoral Candidates Research Fellowship.	2009
DAAD Fellowship for Master Students. Research at Harvard University.	2006
Davidson College – Julius-Maximilians-Universität, Würzburg Exchange Fellowship	2004-2005

RESEARCH AND CONFERENCE GRANTS

German Research Foundation (DFG), <i>Emmy Noether Junior Research Group Grant</i>	2016
FRIAS, Albert Ludwigs University of Freiburg, <i>Project Grant</i> for the interdisciplinary summer school and workshop on <i>A Green City Mandate? Promises and Pitfalls of Urban Environmental Planning since the 1970s.</i>	2015
Fritz Thyssen Foundation, <i>Conference Grant</i> for the workshop <i>Actor-Networks between 'Global Markets' and 'the Nation', 1650-1950.</i>	2013
Foundation for German-American Academic Partnership, <i>Conference Grant</i> for the workshop <i>The Intellectual Foundations of World Commerce and Communications.</i>	2013

CONFERENCE ORGANIZATION

Co-Organizer <i>Writing for Change. Environmental Journalism Then and Now</i> Center for Advanced Studies, Ludwig Maximilian University Munich.	2019
Organizer <i>Hazardous Time-Scapes. How to make sense of toxic landscapes from multiple timed, spaced, and embodied perspectives?</i> Rachel Carson Center for Environment and Society, Munich.	2017
Co-organizer <i>Asia and the Pacific. Environments – Cultures – Histories</i> Rachel Carson Center for Environment and Society, Munich.	2017
Co-organizer, <i>Green City</i> , Doctoral Summer School and International Symposium, FRIAS, Albert Ludwig University Freiburg.	2016
Co-organizer, <i>Ecology and Economy. On the History of a Relationship</i> , FRIAS, Albert Ludwig University Freiburg.	2015
Co-organizer, <i>Actor-Networks between 'Global Markets' and 'the Nation', 1650-1950</i> , Freie Universität Berlin.	2013
Co-organizer, <i>The Intellectual Foundations of World Commerce and Communications</i> , Harvard University.	2013
Co-organizer, <i>Global Communication Electric</i> , Freie Universität Berlin & Museum for Communication, Berlin.	2010

ACADEMIC SERVICE

Academic Advisory Board Oekom Verlag, <i>Bibliothek der Nachhaltigkeit / Library of Sustainability</i>	since 2019
Editorial Board <i>International Review of Environmental History</i>	since 2018
Advisory Committee Fachinformationsdienst Technik- und Umweltgeschichte	since 2018

Academic Board ProEnviron Doctoral Program Rachel Carson Center for Environment and Society, LMU, Munich	since 2017
Elected Member of Faculty Committee Albert Ludwig University Freiburg	2014-2016
Elected Gender-Equality Officer Freie Universität Berlin, John F. Kennedy Institute for North American Studies	2012-2013

TEACHING

Postgraduate level:

Ludwig Maximilian University, Rachel Carson Center for Environment and Society together with Christof Mauch, *Oberseminar Environment and History* (April 2019)

Albert Ludwig University, FRIAS
Doctoral Summer school *A Green City Mandate?* (July 2016)

Master and Bachelor level classes:

Ludwig Maximilian University, Department of American Studies
Earth for Sale. The Environment in U.S. Foreign Trade Relations (Fall 2019)

Freie Universität Berlin, History Department, Global History
M.A. Seminar: *Worlds Apart. A History of Global Inequality after 1945.*

Albert Ludwig University Freiburg, History Department

B.A. Seminar: *Coca Cola Nation. The United States and Global Capitalism*

B.A. Seminar: *Natives and Newcomers*

B.A. Seminar: *Religion in Colonial America*

B.A. Seminar: *The United States in the Civil Rights Era*

B.A. Seminar: *American Exceptionalism. Exploring American National Identity.*

B.A. Seminar: *Iconic Nation. Images of America in the World during the American Century*

B.A. Seminar: *Breaking News, Making Headlines. Nachrichten und Journalismus in den USA, 19.-21. Jh.*

B.A. Seminar: *Slavery and the Old South*

B.A. Seminar: *Major Issues in American Indian History, 1890-2010*

B.A. Seminar: *Die Amerikanische Revolution in globaler Perspektive. Eine Annäherung in Quellen*

Freie Universität Berlin, John F. Kennedy Institute for North American Studies, History Department

M.A. Seminar: *Colonial America in Global Perspective*

B.A. Seminar: *Major Issues in American Indian History, 1890-1990*

M.A. Seminar: *The United States and National Socialism, 1930s – 1990s*

B.A. Seminar: *Around the World in 80 Days. Americans, Technology and World Travels, 1860-1930*

B.A. Seminar: together with Heidi Tworek, Harvard University, *America on the Move. Technology and the American Nation*

INVITED TALKS AND LECTURES (SELECTION)

2019

Keynote at *Histories of Nature and Environments: Shaping Landscapes*, International Conference, University of Lisbon, November 2019.

Keynote at *Sustainable World. Global Challenges for Life Scientists*, Ludwig Maximilian University, "Hazardous Travels. On the Global Life of Waste," April 2019.

2018

Keynote for the annual conference of the Society for the History of Technology (GTG), Bochum, "Dreaming of the technological fix - How technology came to legitimize the international trade with hazardous waste and what it teaches us about human-environment relationships."

Scandinavian Historians' Annual Meeting, Kristiansand, "A Waste Trader's Deadly Dreams."

Deadly Dreams Network Meeting, Kristiansand, "Dreaming of the Technological Fix."

2017

Deadly Dreams Network Meeting, Kristiansand, "The Most Tested Ash on This Planet."

Atlantische Akademie Rheinland-Pfalz, Lamprecht, Summer Academy in American Politics, "Donald Trump und die Umwelt."

Rachel Carson Center for Environment and Society, Munich, Workshop on New Materialism on the Crossroads, "Hazardous Waste. On the Material-Discursive Practises of Ecological Actants."

Berlin-Brandenburgisches Kolloquium zur Umweltgeschichte, Berlin, „Chemicals on Tour.“

Universität Würzburg, Seminar für Amerikanistik „Die Verkabelung der Welt – zu den Anfängen globaler Kommunikation“

ESEH, "Making Sense of the Global Waste Economy," Zagreb.

Center for Canadian Architecture (CCA), Montreal "The Global Waste Economy".

2016

Universität Wuppertal, Institute für Technikgeschichte, „Hazardous Travels, Ghost Acres and the Global Waste Economy.“

VDI Stuttgart, „Die Verkabelung der Welt – eine Akteursperspektive“

Universität Bonn, Institut für Weltgesellschaft, Konferenz zum Geburtstag von Prof. Rudolf Stichweh, "On Global Communications."

Universität Tübingen, Conference on Aquatic Histories, „The Road of the London Dumping Convention.“

Atlantische Akademie Rheinland-Pfalz, Summer Academy on American Politics, „Zur Umweltpolitik der USA.“

FRIAS, Green City Mandate Workshop, „The Odyssey of the Khian Sea.“

FRIAS, Workshop Rhetorik der Nachhaltigkeit „Wasting Sustainability?“

Humboldt Universität zu Berlin, Conference Moralizing Capitalism, “Lawrence Summers, Hazardous Waste and the Question of Morale”

2015

Universität Stuttgart, Lehrstuhl für Technikgeschichte, “Die Verkabelung der Welt“

Universität zu Köln, Lehrstuhl für Theaterwissenschaften, „Telegraphie und globale Theaterwelten“

International Telegraph Union, Geneva, „Beyond the Means of 99 Percent. Global Communications, Business and International Governance”

DHI London, Workshop on The Global Public: Its Power and Its Limits, “Mockingbirds, Livingstone, and the North Pole: How Gordon Bennett made News via Global Communications Technology”

Archiv für Sozialgeschichte, Authors‘ workshop *Sozialgeschichte des Kapitalismus*.

University of Pennsylvania, Sustainability and Utopianism Seminar, “German Universities and Environmental Humanities.”

Deutsches Museum, Munich, Monday Colloquium, „Die Verkabelung der Welt. Zur sozialen und kulturellen Erschaffung globaler Telephennetzwerke.“

ESEH, Versailles, “Move it Offshore! On the International Governance of Ocean Dumping in the Long 1970s.”

Rachel Carson Center Munich, Lunch Time Colloquium “Contamination Guaranteed. America’s Hazardous Waste in Global Perspective.”

LMU Munich, Panel debate on “Our Society and its Trash,” Green University Munich, “Giftmüll im internationalen Handel.”

Sorbonne, Séminaire ‘Histoire des Sciences, Histoire de l’Innovation: circulations, communications et civilisations matérielles en Europe (XVIIIe-XXIes)’, Paris, “Wiring the World. The Social and Cultural Creation of Global Telegraph Networks,”

2014

Hagley Museum and Library Soda House, Delaware, USA, Workshop *Green Capitalism?: Exploring the Crossroads of Environmental and Business History*, “Why American Cities go Wasting Abroad: Local Political Economy and International Trade in Hazardous Waste.”

FRIAS, University of Freiburg, *Risks in the 20th Century. Hazards as a Topic for Historical Research*, “Ecological Crisis or the Risks of Industrial Hazards. Conceptualizations of Hazardous Waste in U.S. Environmental Policy and Hazardous Waste management.”

School of Journalism, Remnin University of China Peking, Workshop *Networking East and West: Communication, Commerce, Culture*, “Wiring the Pacific. North American Perspectives on a (de-)colonial Project.”

Institute des Sciences de la Communication du CNRS, Paris, *FGTIC International Symposium, Women, Gender and ICT*, “Telegraphy and the ‘New Woman’ in late 19th Century Europe.”

Amsterdam School for Cultural Analysis, University of Amsterdam, *Lecture Series on Global Garbage: Excess, Waste, and Abandonment in the Contemporary City*, “Fish don’t vote! The City of Philadelphia and Ocean Dumping, 1973-1986.”

2013

Universität Hamburg, *Colloquium zur Wirtschafts- und Sozialgeschichte*, Die Verkabelung der Welt. Kommunikationstechnologien und Globalisierung im 19. Jahrhundert.

Universität Freiburg, *Colloquium zur Zeitgeschichte*, “Contamination Guaranteed. American Hazardous Waste in Global Perspective.”

German Historical Institute, Washington D.C., Workshop on *New Technologies and Cultures of Communication in the 19th and 20th Centuries*, “The Telegraph as Social Medium.”

Freie Universität Berlin, *Global History Lecture Series*, “The United States and Global History.”

Freie Universität Berlin, John F. Kennedy Institute for North American Studies Lecture Series on *The Sixties – America’s Longest Decade*, “From Silent Spring to the Santa Barbara Oil Spill: On the Beginnings of Modern Environmentalism in the United States.”

2012

European Business History Association, Paris, “Local Influences on a Global Business – the Case of Submarine Telegraphy.”

University of Exeter, *International Values and Global Sciences, 1880-1939*, “The Society of Telegraph Engineers and Scientific Cosmopolitanism.”

International Congress for the History of Technology 39th Annual Meeting, Barcelona, “Playing Chess by Cable – Telegraphic Chess Playing. On the Interrelation of Sports and Technology in the Long 19th Century.”

International Congress for Maritime History, Gent, “The Wiring of the World. A Story from Global and Maritime Perspective.”

Technische Universität Dresden, Workshop on *Weltgestalter und Welterklärer. Experten in der technischen Moderne* “Class of 1866. Weltenschöpfer und -erklärer im globalen Kommunikationssystem.”

2011

SHOT Annual Conference (Society for the History of Technology), Cleveland, Ohio, USA, “As Easy as Speech and as Free as Air: Henniker Heaton's Attempts at Democratizing Global Communication, 1883-1914.”

20th Annual Conference of the German Association for the History of Technology, Berlin, “‘Paradies‘ oder ‚Living Death‘ – die Kabelstation in Heart’s Content, Neufundland in ihre globalen und lokalen Einbindung”.

Third European Congress on World and Global History, London, “Wiring the World. The Class of 1866 and Global Network Expansion” as well as: “Run over by Globalization: The Society of Telegraph Engineers in its Global Demise, 1871-1889,”

Museum für Kommunikation/ Freie Universität Berlin, “As easy as speech and as free as air” – Henniker Heaton and Social Cable Revolt.”

2010

Humboldt Universität Berlin, “The Power of Analogies The Third Reich’s Antisemitism as Instrument within Afro-American Civil Rights’ Rhetoric, 1933-41,” Racism/Antiracism. Agents of Cultural Globalization around 1900.

Freie Universität Berlin, “On the relation of Global History and Area Studies,” Area Histories between Area Studies and Historical Research, Center of Area Studies.

Annual Conference of the German Association of North American Studies (DGfA), “Colonialism and Decolonization. The United States, Canada and the Pacific Telegraphs, 1870-1902.”

2009

University of Heidelberg, “Beyond the Nation State? Cable Agents and the Global Media System on the North Atlantic, 1860-1914.”.

University of Heidelberg, “The Transatlantic Telegraphs and the Wiring of the World. Cultural Networks in Maritime Space, 1858-1914.”

University of St. Andrews, “The Transatlantic Telegraphs and the Wiring of the World. Cultural Networks in Maritime Space, 1858-1914.”