

Thomas Marlow

POSTDOCTORAL FELLOW · CENTER FOR INTERACTING URBAN NETWORKS (CITIES)

New York University Abu Dhabi

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Research Interests

Environmental sociology, urban sociology, climate change, computational methods, spatial methods, social networks

Academic Positions

Assistant Professor of Sociology

DEPARTMENT OF SOCIOLOGY

Texas A&M University

Starting Fall 2024

Postdoctoral Fellow

CENTER FOR INTERACTING URBAN NETWORKS (CITIES)

NYU Abu Dhabi

2020 - 2024

Education

Brown University

PH.D., SOCIOLOGY

- Dissertation: *Socioenvironmental Stratification in the Post-Industrial City*
- Committee: Dr. Scott Frickel (chair), Dr. John Logan, Dr. Margot Jackson
- Preliminary Exams: Urban Sociology and Environmental Sociology

Providence, RI

May 2020

Spatial Structures in the Social Sciences (S4) at Brown University

SPATIAL ANALYSIS CERTIFICATE

Providence, RI

May 2018

Brown University

M.A., SOCIOLOGY

- Thesis: *Socioenvironmental Succession: The Case of Rhode Island*

Providence, RI

May 2016

Illinois Wesleyan University

B.A., ENVIRONMENTAL STUDIES

- Minor in Chemistry

Bloomington, IL

May 2011

Peer Reviewed Publications

Neighborhood Poverty Trajectory and Access to Food Pantries

JENNIFER BOUEK, CHINYERE AGBAI, AND **THOMAS MARLOW**

Social Problems

R&R

Durable Change in U.S. Urban Mobility Networks, 2019–2022

MARLOW, THOMAS, BRUNO ABRAHAO, AND KINGA MAKOVI

Socius

2023

Mobility patterns amplify neighborhood disparities in the spread of COVID-19

GYORGY, ANDRAS, **THOMAS MARLOW**, BRUNO ABRAHAO, KINGA MAKOVI

Network Science

2023

Parks, People, and Pollution: The Interactive Effects of Socioenvironmental Succession

TOLLEFSON, JONATHAN, SCOTT FRICKEL, SUMMER GONSALVES, **THOMAS MARLOW**

City & Community

2023

Non-transformative climate policy options decrease conservative support for renewable energy in the US

MARLOW, THOMAS AND KINGA MAKOVI

Environmental Research Letters

2023

Early Childcare and Education in a Post-Industrial Landscape: Inequalities in Proximity to Active and Relic Manufacturing in Metropolitan Providence, Rhode Island

TOLLEFSON, JONATHAN, SCOTT FRICKEL, SUMMER GONSALVES, **THOMAS MARLOW**, ROBERT SUCSY, MICHAEL BYRNS, AND MELISSA ORPEN-TUZ

Environmental Justice

2022

Future flooding increases unequal exposure risks to relic industrial pollution

MARLOW, THOMAS, JAMES ELLIOT, AND SCOTT FRICKEL

- Select media coverage (links): [Arstechnica](#), [Truthout](#), [Phys.org](#)

Environmental Research Letters

2022

Neighborhood Isolation During the COVID-19 Pandemic

MARLOW, THOMAS, KINGA MAKOVI, AND BRUNO ABRAHAO

- Media coverage (links): [The Boston Globe](#)

Sociological Science

2021

Bots and online climate discourses: Twitter discourse on President Trump's announcement of U.S. withdrawal from the Paris Agreement

MARLOW, THOMAS, SEAN MILLER, AND J. TIMMONS ROBERTS

- Select media coverage (links): [Washington Post](#), [Scientific American](#), [The Guardian](#), [The BBC](#)

Climate Policy

2021

Do Legacy Industrial Sites Produce Legacy Effects in Ethnic and Racial Residential Settlement?

MARLOW, THOMAS, SCOTT FRICKEL, AND JAMES R. ELLIOTT.

Sociological Forum

2020

Automated Data Extraction from Historical City Directories: The Rise and Fall of Mid-Century Gas Stations in Providence, RI

BELL, S., **MARLOW T.**, WOMBACHER K., HITT A., PARIKH N., ZSOM, A., FRICKEL, S.

PLoS One

2020

Mining Spatio-Temporal Data on Industrialization from Historical Registries

BERENBAUM, D., DEIGHAN, D., **MARLOW, T.**, LEE, A., FRICKEL S., AND HOWISON.

Journal of Environmental Informatics

2019

Evaluation and Management Strategies for Per- and Poly- fluoroalkyl Substances (PFASs) in Drinking Water Aquifers: Perspectives from Impacted U.S. Northeast Communities

GUELFO J. L., **MARLOW, T.**, KLEIN D. M., SAVITZ D. A., FRICKEL S., CRIMI M., AND SUUBERG E. M.

Environmental Health Perspectives

2018

Other publications

Flood maps show US vastly underestimates contamination risk at old industrial sites

MARLOW, THOMAS, JAMES R. ELLIOTT, SCOTT FRICKEL

- Select republications: [Houston Chronicle](#), [EcoWatch](#), [Alternet](#)

The Conversation

2022

Works in Progress

Diffusion interrupted: social network and contextual influences on the trajectory of solar panel diffusion in the U.S., 2013-2019

THOMAS MARLOW, KINGA MAKOVI

- Secured funding for two CITIES Summer 2023 Research Assistants

Working paper

The Influence of Shareholder Networks on Corporate Climate Strategies

THOMAS MARLOW

- Secured funding for two CITIES Summer 2023 Research Assistants

Analysis stage

Earnest Agitators: How journalists use Twitter to make industry critiques

LAURA GARBES AND **THOMAS MARLOW**

Analysis stage

Fellowships

Brown Superfund Research Program (NIEHS)

GRADUATE TRAINEE

Providence, RI

2016 - 2020

Institute at Brown for Environment and Society

FELLOW

Providence, RI

2016 - 2020

Spatial Structures in the Social Sciences (S4)

FELLOW

- Student Paper Prize, 2019
- Senior Fellow of the Year, 2017-2018

Providence, RI

2015 - 2020

Invited Talks

Non-Transformative climate policy options decrease conservative support for renewable energy in the US

Online Livestream

INVITED TALK FOR THE CLIMATE SOCIAL SCIENCE NETWORK, WORKING GROUP ON CRITICAL STUDIES OF CLIMATE MEDIA, DISCOURSE, AND POWER

February 2023

Future Flooding Increases Unequal Exposure Risks to Relic Industrial Pollution

Online Workshop Series

INVITED TALK FOR THE FIRST STREET FOUNDATION

February 2022

Neighborhood Isolation During the COVID-19 Pandemic

Online Livestream

INVITED TALK FOR THE PLACEKEY DATA CONSORTIUM

June 2021

The Benefits of Research Translation to Environmental Research: An Example Featuring Perfluoroalkyl Acid (PFAA) Fate and Transport

Durham, NC

INVITED TALK WITH DR. JENNIFER GUELFO AT THE NATIONAL ENVIRONMENTAL HEALTH SCIENCE FEST

December 2016

Other Presentations

Interacting Peer Effects on Solar Panel Diffusion

Princeton, NJ

PANEL PRESENTATION AT THE INTERNATIONAL NETWORK FOR ANALYTICAL SOCIOLOGY ANNUAL MEETING

June 2023

Non-Transformative climate policy options decrease conservative support for renewable energy in the US

Abu Dhabi, UAE

PANEL PRESENTATION AT THE INAUGURAL MEETING OF THE MENA NETWORK OF EXPERIMENTAL SOCIAL SCIENTISTS

November 2022

Urban Mobility Networks during the COVID-19 Pandemic

London, UK

PANEL PRESENTATION AT THE 6TH EUROPEAN CONFERENCE ON SOCIAL NETWORKS

September 2022

Independent Policy Options Decreases Conservative Support for Renewable Energy

Utrecht, NL

PANEL PRESENTATION AT THE ANNUAL CONFERENCE OF EXPERIMENTAL SOCIOLOGY

September 2022

Irrelevant Policy Options Decreases Conservative Support for Renewable Energy

Los Angeles, CA

ROUNDTABLE PRESENTATION AT THE ANNUAL MEETING OF THE AMERICAN SOCIOLOGICAL ASSOCIATION

August 2022

Environmental Justice in the Post-Industrial Landscape

Philadelphia, PA

PAPER PRESENTATION AT THE ANNUAL MEETING OF THE EASTERN SOCIOLOGICAL ASSOCIATION

February 2020

Mining Socio-environmental Hazard Data from Historical Directories

Sacramento CA

PAPER PRESENTATION AT THE ANNUAL MEETING OF THE SUPERFUND RESEARCH PROGRAM

December 2018

Disentangling the Industrial and Demographic Dynamics of Environmental Inequality Formation in Rhode Island

Philadelphia, PA

PAPER PRESENTATION AT THE ANNUAL MEETING OF THE AMERICAN SOCIOLOGICAL ASSOCIATION

August 2018

Analyzing Industrial neighborhoods in Rhode Island

PAPER PRESENTATION AT THE ANNUAL INTERNATIONAL CONFERENCE ON COMPUTATIONAL SOCIAL SCIENCE

[Evanston, IL](#)

July 2018

Hazardous Conditions: Industrial growth and environmental inequality in Rhode Island, 1953-2016

PAPER PRESENTATION AT THE ANNUAL MEETING OF THE AMERICAN ASSOCIATION OF GEOGRAPHERS

[New Orleans, LA](#)

July 2018

Disentangling the demographic and spatial dynamics of environmental inequality formation

PAPER PRESENTATION AT THE ANNUAL MEETING OF THE EASTERN SOCIOLOGICAL SOCIETY

[Baltimore, MA](#)

February 2018

Analyzing Chemical Mixtures in Rhode island: A Machine Learning Approach

PAPER PRESENTATION AT THE ANNUAL MEETING OF THE SUPERFUND RESEARCH PROGRAM

[Philadelphia, PA](#)

December 2017

Teaching

S4's Spring/Winter GIS Institute

INSTRUCTOR

- Introduction to Spatial Statistics
- Coursework and lab elements were developed with open source resources including R, GeoDa and QGIS

[Brown University](#)

Jan. 2016 - May. 2020

Statistics for Social Research

TEACHING ASSISTANT

- Instructor: Dr. David Lindstrom, Fall 2015
- Instructor: Dr. Elizabeth Fussell, Spring 2016.

[Brown University](#)

Fall 2015 - Spring 2016

Professional Associations

Climate Social Science Network

MEMBER

[U.S.A](#)

2020 - Present

American Sociological Association

MEMBER

- Section on Environmental Sociology
- Section on Mathematical Sociology
- Section on Community and Urban Sociology

[U.S.A](#)

2015 - Present

American Association of Geographers

MEMBER

[U.S.A](#)

2017 - Present

Eastern Sociological Society

MEMBER

[U.S.A](#)

2017-2020

Skills

Statistical Software R, Python, and familiarity with STATA

GIS ArcGIS, QGIS, GeoDa, Leaflet, R, and Python