

# Timothy Fraser

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Profiles: [My Website](#) | [ResearchGate](#) | [Harvard Dataverse](#) | [Northeastern](#) | [Twitter](#)

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## Education and Training

Ph.D. Political Science (Public Policy and Comparative Politics, ABD) 2017-(2022)	
M.A. Political Science (Public Policy) Northeastern University, Boston	2017-2019
Fulbright Fellowship, Geography Kyushu University, Integrated Sciences for Global Society, Japan	2016-2017
B.A. International & Global Studies: East Asian Studies, <i>summa cum laude</i> Middlebury College, Vermont	2016
Japanese Language Training Middlebury Language School and International Christian University, Tokyo	2014

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**Skills:** R, Network Analysis, ERGMs, ArcGIS, SPSS, Tableau, Gephi, QCA

**Languages:** Japanese, advanced; Spanish, proficient (reading).

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## Research Areas:

- ❖ Mixed methods analysis (network statistics, GIS, interviews, content analysis)
  - ❖ Social ties' effect on renewable energy, disaster recovery, and migration
  - ❖ Comparative studies of US and Japan
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## Peer-Reviewed Publications

Timothy Fraser. (2020). Does Social Capital Boost or Block Renewable Energy Siting? South African Solar Politics in Comparison. *Energy Research & Social Science*. *Accepted* November 4, 2020.

Timothy Fraser, Lily Cunningham, Mary Bancroft, Amy Hunt, Eri Lee, and Amos Nasongo. (2020). [Climate Crisis at City Hall: How Japanese communities mobilize to eliminate emissions](#). *Environmental Innovations and Societal Transitions*. *Accepted* September 30, 2020.

Timothy Fraser, Daniel P. Aldrich, Andrew Small, and Andrew Littlejohn. (2020). In the Hands of a Few: Disaster Recovery Committee Networks. *Journal of Environmental Management*. *Accepted* October 10, 2020.

- Timothy Fraser, Lily Cunningham, and Amos Nasongo. (2020). Build back better? Effects of crisis on climate change adaptation in Japan and the US. *Global Environmental Politics*. Accepted October 21, 2020.
- Timothy Fraser and Daniel P. Aldrich. (2020). [The Fukushima Effect at Home: The changing role of domestic actors in Japanese energy policy](#). *WIREs Climate Change*.
- Timothy Fraser and Andrew J. Chapman. (2020). [Drivers of social equity in renewable energy at the municipal level: The case of local Japanese energy policy and preferences](#). *Journal of Environmental Policy and Planning* 22(3), 397-412.
- Timothy Fraser. (2020). [Japan's Resilient, Renewable Cities: How Socioeconomics and Local Policy drive Japan's Renewable Energy Transition](#). *Environmental Politics* 29(3), 500-523.
- Timothy Fraser. (2019). [How Governance and Disasters shape Renewable Energy Transitions: The case of Japanese mega-solar](#). *Social Science Quarterly* 100(3), 975-990.
- Andrew J. Chapman, Timothy Fraser, & Melanie Dennis. (2019). [Investigating Ties between Energy Policy and Social Equity Research: A Citation Network Analysis](#). *Social Sciences* 8 (5), 135.
- Timothy Fraser and Daniel P. Aldrich. (2019). [East Asia's Nuclear Policies: Fukushima Effect or a Nuclear Renaissance?](#) *Georgetown Journal of Asian Affairs*.
- Lee, Juheon & Fraser, Timothy. (2019). [How do disasters affect individuals' social ties? The impacts of disaster experiences and the perceived risks of disasters on participation in voluntary associations](#). *International Journal of Disaster Risk Reduction* 34, 108-115.
- Chapman, Andrew, and Timothy Fraser. (2019). [Japan's Mega Solar Boom: Quantifying Social Equity Expectations and Realities at the Local Scale](#). *Sustainability Science* 14, 355–374.
- Timothy Fraser and Andrew Chapman. (2018). [Social Equity Impacts in Japan's Mega Solar Siting Process](#). *Energy for Sustainable Development* 42, 136-151.
- Daniel P. Aldrich and Timothy Fraser. (2017). [All Politics is Local: Judicial and Electoral Institutions' Role in Japan's Nuclear Restarts](#). *Pacific Affairs* 90, no. 3, 433-457.
- Chapman, Andrew, Timothy Fraser, and Kenshi Itaoka. (2017). [Hydrogen Import Pathway Comparison Framework incorporating Cost and Social Preference: Case studies from Australia to Japan](#). *International Journal of Energy Research* 41, no. 14, 2374-2391.

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## Preprints

- Timothy Fraser and Daniel P. Aldrich. 2020. [Social Ties, Mobility, and COVID-19 spread in Japan](#). *Research Square Pre-print* (Under review.)

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## Chapters in Edited Volumes

Timothy Fraser, Courtney Page-Tan, & Daniel P. Aldrich. *Forthcoming*. Social Network Analysis for Disasters. In Jason Rivera, ed. *Research Methods of Disaster and Emergency Management: Social Science Approaches in Application*.

Timothy Fraser & Andrew J. Chapman. *Forthcoming*. Social Sustainability in Cities: Urban Energy. In Alvarez-Risco, A., Rosen, M., Del-Aguila-Arcenales, S, & Marinova, D. *Building sustainable cities: Social, Economic and Environmental Factors*, Springer-Nature.

Daniel P. Aldrich, Courtney Page-Tan, and Timothy Fraser. 2018. [A Janus Faced Resource: Social Capital and Resilience Trade-offs](#). *International Risk Governance Council Resource Guide*, vol 2.

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## Under Review

- ❖ The Road More Traveled: Evacuation Networks from 10 disasters in the US and Japan
- ❖ Japanese Social Capital and Social Vulnerability Indices: Measuring Drivers of Community Resilience 2000-2017
- ❖ Social Ties, Mobility, and COVID-19 spread in Japan (*with Daniel P. Aldrich*)
- ❖ Bowling Alone or Masking Together? The Role of Social Capital in Excess Death Rates from COVID19 (*with Daniel P. Aldrich & Courtney Page-Tan*)
- ❖ Connecting Social Capital and Vulnerability: A Citation Network Analysis of Disaster Studies (*with Daniel P. Aldrich & Andrew Small*)
- ❖ Do All Roads Lead to Sapporo? The Role of Linking and Bridging Ties in Evacuation Decisions (*with Daniel P. Aldrich & Larissa Morikawa*)
- ❖ Boomtown or Bust? Policy Feedback Effects of Controversial Facilities on Social Capital in Japan (*with Toshiaki Yoshida*)
- ❖ Uneven Paths: Recovery in Louisiana Parishes after Hurricanes Katrina and Rita (*with Alex Poniatowski, Nicholas Hersey, Haoran Zheng, & Daniel P. Aldrich*)

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## Grants & Awards

Japan Foundation Doctoral Fellowship	2020
Fulbright Graduate Fellowship (declined)	2020
SSRC Japan Society for Promotion of Science Fellowship Nomination (declined)	2020
Northeastern University Asian Studies Research Award	2018
Northeastern University Student Graduate Teaching Assistantship	2017-(2023)

Fulbright Study/Research Fellowship in Japan	2016
Middlebury College Award for Best Thesis in International & Global Studies	2016
Middlebury College Rohatyn Center Grant for Summer Research	2015
Middlebury College Cross-Cultural Community Engagement Grant	2015
Middlebury College Mellon Grant for Study Abroad Research	2014

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### Academic Service

Reviewer for *Environmental Politics*, *Energy Research & Social Science*, *International Journal of Disaster Risk Reduction*, *Social Science Japan Journal*, *Journal of Public and Nonprofit Affairs*, *Politics and Governance*, *European Policy Analysis*, *Social Science Research*, *Sustainability (MDPI)*, *Journal of Marine Science and Engineering (MDPI)*, and *Oxford University Press*.

Lead organizer for conference: *Power and Protest: Global Responses to Atomic Energy*, Middlebury College Rohatyn Center for Global Affairs. January 21-22, 2016.

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### Conference Talks

Do All Roads Lead to Sapporo: A Social Network Analysis of Evacuation. Presented at New England Political Science Association Conference, Portland, ME, April 24, 2019.

Restarting the Sendai Reactor: Japanese Civic Activism after Fukushima. Presented at Middlebury College Rohatyn Center for Global Affairs, February 24, 2017.

Youth Politics in Japan after 3.11: Political Geographies of Tokyo and Tohoku. Presented at Bard College Sustainability in Asia Conference, April 17, 2015.

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### Other Research

Fraser, Timothy. 2020. [Data Visualization to End Police Violence](#). Harvard Dataverse.

Fraser, Timothy. 2015. [70th Anniversary Map of the Atomic Bombings of Hiroshima and Nagasaki](#). Center for Nonproliferation Studies.

Fraser, Timothy and Jessica Margolis. 2015. [Does Bureaucracy Impact Nuclear Trafficking and Security? CNS Global Incidents and Trafficking Database Map](#). Center for Nonproliferation Studies.

Fraser, Timothy and Jessica Margolis. 2015. [Policy and Nuclear Trafficking Trends. CNS Global Incidents and Trafficking Database Map](#). Center for Nonproliferation Studies.

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### Research Positions

- Northeastern University Research Assistant 2019-2020
- Data science RA for Northeastern University-funded project “Impacts of Partisan Polarization and Voting Preferences on the Public’s Health:” for Dr. Daniel Aldrich.
  - Network and data science RA for NSF-funded project "Diffusion of Ideas of Gender Equity Interventions Through Networks of U.S. Universities" for Prof. Kathrin Zippel
- James Martin Center for Nonproliferation Studies Internship 2015
- Mapped trafficking of nuclear materials and nuclear security policy quality. Studied nuclear security issues from experts in seminar-style classes. Paid internship.
- Ashoka Japan Intern, Tokyo Office Fall 2014
- Researched potential of social campaigns on education, environment, healthcare, and economy. English-Japanese translation services for Changemakers Talent Mapping Project.
- Middlebury College Political Science Research Assistantship 2014
- Helped devise globalization seminar syllabus content and edited faculty working paper on environmental policy in paid internship.
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## Teaching

- Northeastern University Political Science Instructor of Record 2020
- Quantitative Techniques & Statistics (Spring 2020)
- Northeastern University Political Science Graduate Teaching Assistant 2017-2019
- Introduction to Comparative Politics with Dr. Ioannis Livanis, Dr. Colin Brown (2 times)
  - Introduction to American Government and Politics with Dr. Michael Tolley (2 times)
  - Quantitative Techniques & Statistics with Dr. Colin Brown
  - Disasters and Recovery Summer Course in Japan with Dr. Daniel Aldrich
  - American Political Thought with Dr. William Mayer
  - Sexuality, Gender, and the Law with Dr. Libby Adler
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## Mentoring & Research with Undergraduates

- Environmental Politics and Computational Social Science Working Group 2020
- *Students:* Lily Cunningham, Mary Bancroft, Andrew Small, Amos Nasongo, Amy Hunt, Eri Lee
    - Timothy Fraser, Lily Cunningham, Mary Bancroft, Amy Hunt, Eri Lee, and Amos Nasongo. (2020). Climate Crisis at City Hall: How Japanese communities mobilize to eliminate emissions. *Environmental Innovations and Societal Transitions*. *Accepted* September 30, 2020.

- Timothy Fraser, Lily Cunningham, and Amos Nasongo. (2020). Build back better? Effects of crisis on climate change adaptation in Japan and the US. *Global Environmental Politics*. *Accepted* October 21, 2020.

#### Disaster Evacuation Projects

- *Students:* Larissa Morikawa
  - Do All Roads Lead to Sapporo? The Role of Linking and Bridging Ties in Evacuation Decisions (*with Daniel P. Aldrich & Larissa Morikawa*)

#### Disaster Recovery Committee Projects

2019-2020

- *Students:* Andrew Small
  - Timothy Fraser, Daniel P. Aldrich, Andrew Small, and Andrew Littlejohn. (2020). In the Hands of a Few: Disaster Recovery Committee Networks. *Journal of Environmental Management*. *Accepted* October 10, 2020.
  - Timothy Fraser, Daniel P. Aldrich, and Andrew Small. Seawalls or Social Recovery? The role of policy networks and design in disaster recovery (*under review*).

#### Masters Capstone Advising for School of Public Policy and Urban Affairs

2020

- *Students:* Alex Poniatowski, Nicholas Hersey, Haoran Zheng
  - Uneven Paths: Recovery in Louisiana Parishes after Hurricanes Katrina and Rita (*with Alex Poniatowski, Nicholas Hersey, Haoran Zheng, & Daniel P. Aldrich*)

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### Community Outreach

#### Susenji Elementary School Student Supporter in Fukuoka, Japan

2016-2017

- Tutored Japanese students in ESL and non-native students in math and Japanese language

#### Middlebury College Language in Motion Program Support Assistant

2015 – 2016

- Arranged intercultural education training and programming in local Vermont high schools in paid internship. Presented on Japanese culture and disaster studies and Turkish politics.

#### Middlebury College Community Engagement Intern

Spring 2015

- Networked with community and college organizations to facilitate service-learning opportunities on Vermont public education, health, and poverty in paid internship.

#### Middlebury College Writing Tutor

2013 - 2016

- Tutored geography writing seminar, “Political Ecologies of GMOs.”
- Tutored freshman political science seminar, “How Ideas Change the World”
- Weekly advising on critical writing & public speaking