

Climate Change and Environment

The following is material to consider for your syllabus. Specifically, there is:

- 1 Scholarly writing on climate change and environment written by diverse scholars and experts
- 2 Scholarly writing providing geographic variety and geographically varied perspectives
- 3 Studies and analyses examining diversity, equity and inclusion-related dimensions of climate change and environment

This is a living document; resources will be added and altered over time to ensure timeliness and quality. We would welcome your contributions and feedback.

GENERAL TOPIC WRITING BY DIVERSE SCHOLARS

[O'Neill, Kate. *The environment and international relations*. Cambridge University Press, 2016.](#)

Key words: historical and analytical framework, global environmental issues

[Ostrom, Elinor. *Governing the Commons*. Cambridge University Press, 1990.](#)

Key words: state control, privatization, market, resource allocation

[Schreurs, Miranda A. "From the bottom up local and subnational climate change politics." *The Journal of Environment & Development* 17.4 \(2008\): 343-355.](#)

Key words: global climate change politics, levels of government

[Tuchman Matthews, Jessica. 1989. "Redefining Security." *Foreign Affairs*. Vol. 68, No. 2, pp. 162-177.](#)

Key words: national security, population growth, energy use, greenhouse effect

REGION-SPECIFIC DISCUSSIONS OF CLIMATE CHANGE AND ENVIRONMENT BY DIVERSE SCHOLARS

[Daoudy, Marwa. *The Origins of the Syrian Conflict: Climate Change and Human Security*. Cambridge: Cambridge University Press, 2020.](#)

Key words: Syrian conflict, climate change, environmental security, Human-Environmental-Climate-Security (HECS)

[DeSombre, Elizabeth R. *Domestic Sources of International Environmental Policy: Industry, environmentalists, and US power*. Mit Press, 2000.](#)

Key words: international environmental policy, international regulation, industry, domestic policy

[Feld, B., Galiani, S. *Climate change in Latin America and the Caribbean: policy options and research priorities*. *Lat Am Econ Rev* 24, 14 \(2015\)](#)

Key words: mitigation, adaptation

[Schreurs, Miranda A. *Environmental Politics in Japan, Germany, and the United States*. Cambridge University Press, 2003.](#)

Key words: Environmental movement, institutionalization, environmental policy

[Schroeder, Miriam. "The Construction of China's Climate Politics: transnational NGOs and the spiral model of international relations." *Cambridge Review of International Affairs* 21.4 \(2008\): 505-525.](#)

Key words: transnational NGO cooperation, Chinese climate policy

INTERSECTIONS: DEI & CLIMATE CHANGE AND ENVIRONMENT

[Alston, Margaret. "Gender and Climate Change in Australia." *Journal of Sociology* 47, no. 1 \(March 2011\): 53-70.](#)

Key words: Australian drought, gendered impacts

[Etchart, L. *The role of indigenous peoples in combating climate change*. *Palgrave Commun* 3, 17085 \(2017\).](#)

Key words: indigenous peoples, climate change, Amazonian region, forest dwellers, intergovernmental climate change negotiations

[Fatma Denton \(2002\) Climate change vulnerability, impacts, and adaptation: Why does gender matter?, Gender & Development, 10:2, 10-20](#)

Key words: gender-related inequalities, The Global Environment Facility, the Clean Development Mechanism of the Kyoto Protocol

[Green, Jessica F. Rethinking private authority: Agents and entrepreneurs in global environmental governance. Princeton University Press, 2013.](#)

Key words: non-state actors, private authority, environmental rule

[Hadden, Jennifer. Networks in Contention. Cambridge University Press, 2015.](#)

Key words: civil society network, climate advocacy, climate change policy

[Hansen, Alana, Linda Bi, Arthur Saniotis, and Monika Nitschke. "Vulnerability to Extreme Heat and Climate Change: Is Ethnicity a Factor?" Global Health Action 6, no. 1 \(December 1, 2013\): 21364–67.](#)

Key words: barriers ethnicity, Australia, heat-susceptibility, migrants, climate change

[Jones, Rhys. "Climate Change and Indigenous Health Promotion." Global Health Promotion 26, no. 3 suppl \(April 2019\): 73–81.](#)

Key words: climate change, English, Indigenous health, health promotion, equity, social justice, South Pacific, Oceania, environmental health, pollution

[Kellogg, Molly. "Women Building Resilient Cities in the Context of Climate Change." Georgetown Institute of Women Peace and Security, 2020.](#)

Key words: climate change, gender inequality, local governance, Freetown, Sierra Leone

[Khursheed Ahmad Wani & Lutfah Ariana \(2018\) Impact of Climate Change on Indigenous People and Adaptive Capacity of Bajo Tribe, Indonesia, Environmental Claims Journal, 30:4, 302-313](#)

Key words: indigenous peoples, climate change, forests, ecosystems, food security, Indonesia

[Medina, Vincent, Alyssa DeRonda, Naquan Ross, Daniel Curtin, and Fanli Jia. "Revisiting Environmental Belief and Behavior Among Ethnic Groups in the U.S." Frontiers in Psychology 10 \(2019\): 629–.](#)

Key words: ethnicity, human acts, human behavior, beliefs, opinions and attitudes, ethnic groups, environmental belief

[Schuldt, J.P., Pearson, A.R. The role of race and ethnicity in climate change polarization: evidence from a U.S. national survey experiment. Climatic Change 136, 495–505 \(2016\).](#)

Key words: climate beliefs, environmentalist, racial/ethnic majority and minority

[“Women and Climate Change.” Georgetown Institute of Women Peace and Security, 2015.](#)

Key words: UN Security Council Resolution 1325 (UNSCR 1325), Millennium Development Goals (MDGs), Conference of Parties (COP) 21 conference

Displacement

The following is material to consider for your syllabus. Specifically, there is:

- 1 Scholarly writing on displacement written by diverse scholars and experts
- 2 Scholarly writing providing geographic variety and geographically varied perspectives
- 3 Studies and analyses examining diversity, equity and inclusion-related dimensions of displacement

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GENERAL TOPIC WRITING BY DIVERSE SCHOLARS

[Kolmannskog, Vikram, and Lisetta Trebbi. "Climate Change, Natural Disasters and Displacement: a Multi-Track Approach to Filling the Protection Gaps." *International Review of the Red Cross* \(2005\) 92, no. 879 \(September 2010\): 713–30.](#)

Key words: international law, climate change, humanitarian aid, displaced persons, disaster relief

[McAdam, Jane. "From the Nansen Initiative to the Platform on Disaster Displacement : Shaping International Approaches to Climate Change, Disasters and Displacement." *University of New South Wales Law Journal* 39, no. 4 \(2016\): 1518–46.](#)

Key words: emigration, international law, climate change, natural disaster, displacement

[Rita Manchanda. "Gender Conflict and Displacement: Contesting 'Infantilisation' of Forced Migrant Women." *Economic and Political Weekly* 39, no. 37 \(2004\): 4179-186.](#)

Key words: gender conflict, displacement, migration, women

[Sarah Kenyon Lischer \(2007\) *Causes and Consequences of Conflict-Induced Displacement, Civil Wars*, 9:2, 142-155](#)

Key words: displacement, humanitarian crisis, conflicts, violence

REGION-SPECIFIC DISCUSSIONS OF DISPLACEMENT BY DIVERSE SCHOLARS

[Levine, Joyce N., Ann-Margaret Esnard, and Alka Sapat. "Population Displacement and Housing Dilemmas Due to Catastrophic Disasters." *Journal of Planning Literature* 22, no. 1 \(August 2007\)](#)

Key words: emergency management model, long-distance displacement, shelter, housing, natural disaster

[M. Rezaul Islam & Niaz Ahmed Khan \(2018\) Threats, vulnerability, resilience and displacement among the climate change and natural disaster-affected people in South-East Asia: an overview, *Journal of the Asia Pacific Economy*, 23:2, 297-323.](#)

Key words: South-East Asia, climate change, natural disasters, socio-economic threats

[Myrstad, Finn, and Vikram Kolmannskog. "Environmental Displacement in European Asylum Law." *European Journal of Migration and Law* 11, no. 4 \(2009\): 313–26.](#)

Key words: legal migration, humanitarian asylum, non-refoulement, climate change, temporary protection, subsidiary protection, human rights, environmental displacement

[Stark, L, L Roberts, W Wheaton, A Acham, N Boothby, and A Ager. "Measuring Violence Against Women Amidst War and Displacement in Northern Uganda Using the 'neighbourhood Method.'" *Journal of Epidemiology and Community Health* \(1979\) 64, no. 12 \(December 2010\): 1056–61.](#)

Key words: gender-based violence, northern Uganda, neighbourhood methodology

[Tulsi Charan Bisht \(2009\) Development-Induced Displacement and Women: The Case of the Tehri Dam, India, *The Asia Pacific Journal of Anthropology*, 10:4, 301-317](#)

Key words: dams, development-induced displacement, everyday life, India, women

[Zahra, Tara. "Lost Children: Displacement, Family, and Nation in Postwar Europe." *The Journal of Modern History* 81, no. 1 \(March 2009\): 45–86.](#)

Key words: child care, world wars, care and treatment, refugee children, displacement

INTERSECTIONS: DEI & DISPLACEMENT

[Ajdukovic, Marina and Dean. \(1998\) Impact of displacement on the psychological well-being of refugee children, *International Review of Psychiatry*, 10:3, 186-195](#)

Key words: refugee children, displacement, psychological well-being

[Andrew Gorman-Murray, Scott McKinnon & Dale Dominey-Howes \(2014\) Queer Domicide, Home Cultures, 11:2, 237-261](#)

Key words: LGBT, disasters, domicile, home, home loss, shelter, rebuilding

[Moghissi, Haideh. "Away from Home: Iranian Women, Displacement Cultural Resistance and Change." Journal of Comparative Family Studies 30, no. 2 \(April 1, 1999\): 207-17.](#)

Key words: gender, displacement, cultural resistance, institutional racism

[Tan, Yan, Graeme Hugo, and Lesley Potter. "Rural Women, Displacement and the Three Gorges Project." Development and Change 36, no. 4 \(July 2005\): 711-34.](#)

Key words: rural women, Three Gorges Project (TGP) in China, human rights, displacement

Energy Policy and Security

The following is material to consider for your syllabus. Specifically, there is:

- 1 Scholarly writing on energy policy and security written by diverse scholars and experts
- 2 Scholarly writing providing geographic variety and geographically varied perspectives
- 3 Studies and analyses examining diversity, equity and inclusion-related dimensions of energy policy and security

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GENERAL TOPIC WRITING BY DIVERSE SCHOLARS

[Bert Kruyt, D.P. van Vuuren, H.J.M. de Vries, H. Groenenberg, Indicators for energy security, Energy Policy, Volume 37, Issue 6, 2009, Pages 2166-2181,](#)

Key words: energy security, long-term security of supply, oil production

[L. Proskuryakova, Updating energy security and environmental policy: Energy security theories revisited, Journal of Environmental Management, Volume 223, 2018, Pages 203-214](#)

Key words: classic energy security concepts, policy-making process, technology changes

REGION-SPECIFIC DISCUSSIONS OF ENERGY POLICY AND SECURITY BY DIVERSE SCHOLARS

[Guri Bang, Energy security and climate change concerns: Triggers for energy policy change in the United States?, Energy Policy, Volume 38, Issue 4, 2010, Pages 1645-1653](#)

Key words: energy policy, energy security, climate change

[Ifelebuegu, A.O.; Aidelojie, K.E.; Acquah-Andoh, E. Brexit and Article 50 of the Treaty of the European Union: Implications for UK Energy Policy and Security. Energies 2017, 10, 2143.](#)

Key words: implications of Brexit on energy policy, UK energy security

[Sopitsuda Tongsopit, Noah Kittner, Youngho Chang, Apinya Aksornkij, Weerin Wangjiraniran, Energy security in ASEAN: A quantitative approach for sustainable energy policy, Energy Policy, Volume 90, 2016, Pages 60-72](#)

Key words: energy security, ASEAN , cooperative agreements

[Tauseef Aized, Muhammad Shahid, Amanat Ali Bhatti, Muhammad Saleem, Gabriel Anandarajah, Energy security and renewable energy policy analysis of Pakistan, Renewable and Sustainable Energy Reviews, Volume 84, 2018, Pages 155-169](#)

Key words: renewable energy policy, sustainable future supply, Pakistan

INTERSECTIONS: DEI & ENERGY POLICY AND SECURITY

[Diego García-Gusano, Diego Iribarren, Daniel Garraín, Prospective analysis of energy security: A practical life-cycle approach focused on renewable power generation and oriented towards policy-makers, Applied Energy, Volume 190, 2017, Pages 891-901](#)

Key words: Renewable Energy Security Index (RESI), life cycle assessment, energy policy-making

[Judith Fathallah, Parakram Pyakurel, Addressing gender in energy studies, Energy Research & Social Science, Volume 65, 2020, 101461](#)

Key words: sex, energy, Global North, gender impacts

[Saska Petrova & Neil Simcock \(2019\) Gender and energy: domestic inequities reconsidered, Social & Cultural Geography](#)

Key words: energy poverty, gender dimension, energy inequities

Globalization and Demographic Trends

The following is material to consider for your syllabus. Specifically, there is:

- 1 Scholarly writing on globalization and demographic trends written by diverse scholars and experts
- 2 Scholarly writing providing geographic variety and geographically varied perspectives
- 3 Studies and analyses examining diversity, equity and inclusion-related dimensions of globalization and demographic trends

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GENERAL TOPIC WRITING BY DIVERSE SCHOLARS

[Frederick A. B. Meyerson, Leticia Merino, and Jorge Durand. "Migration and Environment in the Context of Globalization." *Frontiers in Ecology and the Environment* 5, no. 4 \(May 1, 2007\): 182–90.](#)

Key words: biodiversity conservation, sustainable agriculture, population growth, urban ecology, globalization, forest ecology, ecological sustainability, human ecology, human migration, environmental conservation

[Mills M., Blossfeld HP. \(2013\) *The Second Demographic Transition Meets Globalization: A Comprehensive Theory to Understand Changes in Family Formation in an Era of Rising Uncertainty*. In: Evans A., Baxter J. \(eds\) *Negotiating the Life Course. Life Course Research and Social Policies*, vol 1.](#)

Key words: family formation, demographic transition, information communication technology, welfare regime, employment protection legislation

[Raj Aggarwal \(2011\) *Developing a Global Mindset: Integrating Demographics, Sustainability, Technology, and Globalization*, *Journal of Teaching in International Business*, 22:1, 51-69](#)

Key words: globalization, technology, demographics, sustainability, business schools, education

REGION-SPECIFIC DISCUSSIONS OF GLOBALIZATION AND DEMOGRAPHIC TRENDS BY DIVERSE SCHOLARS

[Bawazir, Abdullah Abdulaziz A, Mohamed Aslam, and Ahmad Farid Bin Osman. "Demographic Change and Economic Growth: Empirical Evidence from the Middle East." *Economic Change and Restructuring*, November 6, 2019.](#)

Key words: demographic, economic effect, economic growth, population, Middle East

[Grau, H. Ricardo, and Mitchell Aide. "Globalization and Land-Use Transitions in Latin America." *Ecology and Society* 13, no. 2 \(2008\).](#)

Key words: agroecosystems, forest ecosystems, human ecology, deforestation, urban ecology, forest conservation, ecosystems, ecoregions

[Song, Sijia. "Demographic Changes and Economic Growth: Empirical Evidence from Asia" \(2013\). *Honors Projects*. 121.](#)

Key words: economic growth, demographic changes, population, Asia

INTERSECTIONS: DEI & GLOBALIZATION AND DEMOGRAPHIC TRENDS

[Calasanti, Toni. \(2010\). *Gender and ageing in the context of globalization*. 10.4135/9781446200933.n10.](#)

Key words: globalization, economic trends, gender inequality, demographic aging

[Caldwell J.C. \(2006\) *The Globalization of Fertility Behavior*. In: *Demographic Transition Theory*. Springer, Dordrecht.](#)

Key words: family planning, demographic transition, fertility decline, family planning program, fertility transition

[Das, Sumon Kumar, Mohammad Jobayer Chisti, Mohammad Habibur Rahman Sarker, Jui Das, Shaw Nawaz Ahmed, K M Shahunja, Shamsun Nahar, et al. "Long-Term Impact of Changing Childhood Malnutrition on Rotavirus Diarrhoea: Two Decades of Adjusted Association with Climate and Socio-Demographic Factors from Urban Bangladesh." *PloS One* 12, no. 9 \(2017\): e0179418–.](#)

Key words: socio-demographic, vaccination, diarrhoeal disease, climate change, Bangladesh

[Dreher, Sabine, and Peter J. Smith. Religious Activism in the Global Economy : Promoting, Reforming, or Resisting Neoliberal Globalization?. . London ;; Rowman & Littlefield International Ltd, 2016.](#)

Key words: religion, capitalism, neoliberalism, democratization

[Muhammad Shahbaz, Hrushikesh Mallick, Mantu Kumar Mahalik, Perry Sadorsky, The role of globalization on the recent evolution of energy demand in India: Implications for sustainable development, Energy Economics, Volume 55, 2016, Pages 52-68](#)

Key words: energy demand, globalization, financial development, urbanization

[Raymo, James M, Hyunjoon Park, Yu Xie, and Wei-jun Jean Yeung. "Marriage and Family in East Asia: Continuity and Change." Annual Review of Sociology 41, no. 1 \(August 14, 2015\): 471–92](#)

Key words: development, fertility, gender, marriage, second demographic transition, economic effect

Global Health Security and Pandemics

The following is material to consider for your syllabus. Specifically, there is:

- 1 Scholarly writing on global health security and pandemics written by diverse scholars and experts
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GENERAL TOPIC WRITING BY DIVERSE SCHOLARS

[Chiu, Ya-Wen, Yi-Hao Weng, Yi-Yuan Su, Ching-Yi Huang, Ya-Chen Chang, and Ken N Kuo. "The Nature of International Health Security." *Asia Pacific Journal of Clinical Nutrition* 18, no. 4 \(2009\): 679–83.](#)

Key words: public health, human security, international agencies

[McCloskey, Brian, Alimuddin Zumla, Giuseppe Ippolito, Lucille Blumberg, Paul Arbon, Anita Cicero, Tina Endericks, Poh Lian Lim, and Maya Borodina. "Mass Gathering Events and Reducing Further Global Spread of COVID-19: a Political and Public Health Dilemma." *The Lancet \(British Edition\)* 395, no. 10230 \(2020\): 1096–99.](#)

Key words: public health security, political dilemma, COVID-19

[Rushton, Simon. "Global Health Security: Security for Whom? Security from What?" *Political Studies* 59, no. 4 \(December 2011\): 779–96](#)

Key words: health, security, disease, national security, human security

[William Aldis. *Health security as a public health concept: a critical analysis. Health Policy and Planning, Volume 23, Issue 6, November 2008, Pages 369–375*](#)

Key words: health security, human security, bio-terrorism, World Health Organization, International Health Regulations, communicable disease control

REGION-SPECIFIC DISCUSSIONS OF GLOBAL HEALTH SECURITY AND PANDEMICS BY DIVERSE SCHOLARS

[Chattu, Vijay Kumar, Anil Adisesh, and Sanni Yaya. "Canada's Role in Strengthening Global Health Security During the COVID-19 Pandemic." *Global Health Research and Policy* 5, no. 1 \(December 2020\): 1-3.](#)

Key words: COVID-19, Public Health Agency of Canada, global health diplomacy

[Heymann, David L, Lincoln Chen, Keizo Takemi, David P Fidler, Jordan W Tappero, Mathew J Thomas, Thomas A Kenyon, et al. "Global Health Security: The Wider Lessons from the West African Ebola Virus Disease Epidemic." *The Lancet \(British Edition\)* 385, no. 9980 \(2015\): 1884-1901](#)

Key words: Ebola virus, West Africa, global health security, health policy

[Navarro, Juan-Carlos, Jazzmin Arrivillaga-Henríquez, José Salazar-Loor, and Alfonso J Rodríguez-Morales. "COVID-19 and Dengue, Co-Epidemics in Ecuador and Other Countries in Latin America: Pushing Strained Health Care Systems over the Edge." *Travel Medicine and Infectious Disease*, April 5, 2020, 101656.](#)

Key words: COVID-19, public health care system, health security, Ecuador

INTERSECTIONS: DEI & GLOBAL HEALTH SECURITY AND PANDEMICS

[Kandel, Nirmal, Stella Chungong, Abbas Omaar, and Jun Xing. "Health Security Capacities in the Context of COVID-19 Outbreak: An Analysis of International Health Regulations Annual Report Data from 182 Countries." *The Lancet \(British Edition\)* 395, no. 10229 \(2020\): 1047-53.](#)

Key words: International Health Regulations (IHR), COVID-19, countries' capabilities

[Quinn, Sandra Crouse, and Supriya Kumar. "Health Inequalities and Infectious Disease Epidemics: A Challenge for Global Health Security." *Biosecurity and Bioterrorism* 12, no. 5 \(September 1, 2014\): 263-73](#)

Key words: health disparities, influenza pandemic, international partner

[Wenham, Clare, Julia Smith, and Rosemary Morgan. "COVID-19: The Gendered Impacts of the Outbreak." *The Lancet \(British Edition\)* 395, no. 10227 \(2020\): 846–48.](#)

Key words: COVID-19, gendered nature of the health workforce, gendered norms

Water Politics and Water Scarcity

The following is material to consider for your syllabus. Specifically, there is:

- 1 Scholarly writing on water politics and water scarcity written by diverse scholars and experts
- 2 Scholarly writing providing geographic variety and geographically varied perspectives
- 3 Studies and analyses examining diversity, equity and inclusion-related dimensions of water politics and water scarcity

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GENERAL TOPIC WRITING BY DIVERSE SCHOLARS

[Liu, Junguo, Hong Yang, Simon N Gosling, Matti Kummu, Martina Flörke, Stephan Pfister, Naota Hanasaki, et al. "Water Scarcity Assessments in the Past, Present, and Future." *Earth's Future* 5, no. 6 \(2017\): 545–59.](#)

Key words: freshwater resources, green water, water quality, environmental flow requirements, virtual water, water footprint

[Richard Damania, *The economics of water scarcity and variability, Oxford Review of Economic Policy, Volume 36, Issue 1, Spring 2020, Pages 24–44*](#)

Key words: economic impacts of water scarcity and variability

[Taikan Oki & Rose E. Quijcho \(2020\) Economically challenged and water scarce: identification of global populations most vulnerable to water crises. *International Journal of Water Resources Development*, 36:2-3, 416-428](#)

Key words: water stress, available freshwater resources, water withdrawals, GDP, virtual water trade, grid analysis

[Wilson, Nicole J, Leila M Harris, Joanne Nelson, and Sameer H Shah. "Re-Theorizing Politics in Water Governance." *Water \(Basel\)* 11, no. 7 \(2019\): 1470–.](#)

Key words: water governance, political ecology, Indigenous water governance, water rights, water insecurity, water justice, politics

REGION-SPECIFIC DISCUSSIONS OF WATER POLITICS AND WATER SCARCITY BY DIVERSE SCHOLARS

[Daoudy, Marwa. "Water Weaponization in the Syrian Conflict: Strategies of Domination and Cooperation." *International Affairs* 96, no. 5 \(September 2020\): 1357–66.](#)

Key words: Syria, intrastate conflict, water weaponization, domination, legitimacy, cooperation, military tools, military targets, ISIS, PYD

[Raul Pacheco-Vega. *The Comparative Politics of Urban Water Policy in Mexico: Clientelism, Complexity, and Robust Governance*, *Journal of Public Administration Research and Theory*, Volume 28, Issue 4, October 2018, Pages 618–620](#)

Key words: privatization, water supply

[Wright-Contreras, Lucía. "A Transnational Urban Political Ecology of Water Infrastructures: Global Water Policies and Water Management in Hanoi." *Public Works Management & Policy* 24, no. 2 \(April 2019\): 195–212.](#)

Key words: water governance, urban political ecology, safe drinking water, sustainable development goals, Vietnam

[Xun Wu, Marc Jeuland & Dale Whittington \(2016\) *Does political uncertainty affect water resources development? The case of the Eastern Nile*, *Policy and Society*, 35:2, 151-163](#)

Key words: Nile Basin, uncertainty, hydro economic, optimization models, river basin governance

[Yang, Hong, and Alexander Zehnder. "China's Regional Water Scarcity and Implications for Grain Supply and Trade." *Environment and Planning A: Economy and Space* 33, no. 1 \(January 2001\): 79–95.](#)

Key words: water scarcity, resource depletion, North China Plain, social and economic development, climate change

INTERSECTIONS: DEI & WATER POLITICS AND WATER SCARCITY

[Brown, Thomas C. Vinod Mahat, and Jorge A Ramirez. "Adaptation to Future Water Shortages in the United States Caused by Population Growth and Climate Change." *Earth's Future* 7, no. 3 \(2019\): 219–34.](#)

Key words: adaptation, water demand, water supply, water shortage, climate change, adaptations, agriculture management, climate change

[David Leroy. "Farmers' Perceptions of and Adaptations to Water Scarcity in Colombian and Venezuelan Páramos in the Context of Climate Change." *Mountain Research and Development* 39, no. 2 \(May 1, 2019\): R21–R34.](#)

Key words: water user associations, adaptive capacity, irrigation agriculture, water shortage, ecosystem, environmental changes, high tropical Andes, local knowledge, local institutions

[Deng, Xiangzheng, and Chunhong Zhao. "Identification of Water Scarcity and Providing Solutions for Adapting to Climate Changes in the Heihe River Basin of China." *Advances in Meteorology* 2015 \(June 7, 2015\): 1–13.](#)

Key word: water scarcity, climatic changes, management, watersheds

[Falkenmark Malin 2013 Growing water scarcity in agriculture: future challenge to global water security *Phil. Trans. R. Soc. A*.37120120410](#)

Key words: water deficiency, socio-economic development, water supply, climatic phenomena, water partitioning disturbance