



# Dean Kyne

## Associate Professor

Department of Sociology, University of Texas Rio Grande Valley (UTRGV),  
1201 W. University Dr., Edinburg, TX 78539

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### CURRENT POSITIONS

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- **Associate Professor of Sociology**, University of Texas Rio Grande Valley
- **Fulbright Scholar**, the U.S. Department of State
- **Coordinator**, Disaster Studies Program, Department of Sociology, UTRGV
- **Faculty Senator**, The University of Texas Rio Grande Valley's Faculty Senate
- **Committee Member**, The University of Texas Rio Grande Valley's General Education Committee
- **Editor-in-Chief**, International Journal of Disaster Response and Emergency Management
- **Guest Editor**, Disaster Management and Geospatial Information, International Journal of Geo-Information

### EDUCATION

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- 2014 Arizona State University**  
PhD Environmental Social Science
- 2009 Cornell University**  
MPS International Development
- 2008 Pennsylvania State University**  
MPA Public Policy
- 2012 Arizona State University**  
Graduate Certificate in Geographic Information System
- 2003 National Institute of Development Administration, Thailand**  
PhD Development Administration
- 1992 University of the Thai Chamber of Commerce, Thailand**  
MA Business Management
- 1986 Yezin Agricultural University, Burma**  
BAg Agriculture

### SPECIALIZATION

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- Environmental Justice and Racial Inequality
- Disasters and their Impacts on Racial Inequality
- Unequal Social Vulnerability to Disasters
- Racial Inequality in Disaster Resiliency
- Nuclear Power-Induced Disasters and Unequal Distribution of Risk
- Toxic Release Inventories and Environmental Health Disparities
- Environmental Physical Disorders and Health Disparities
- Geographic Information System (GIS) for Disaster and Social Sciences

### EXPERIENCE

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- 2019 - PRESENT Associate Professor of Sociology**  
Department of Sociology, UTRGV
- 2015 - 2019 Assistant Professor of Sociology**  
Department of Sociology, UTRGV
- 2019 - PRESENT Disaster Studies Program Coordinator**  
Department of Sociology, UTRGV



## EXPERIENCE (CONTINUED)

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- 2014 - 2015**     **Director of Research**  
Maricopa County Education Service Agency,  
Maricopa County Government, Arizona
  - 2014 - 2016**     **Visiting Researcher**  
School of Human Evolution and Social Change,  
Arizona State University
  - 2012 - 2014**     **Research Analyst**  
ASU Online Administration, Arizona State University,  
Arizona
  - 2011 - 2012**     **Research/Data Analyst**  
Arizona Charter Schools Association, Phoenix, Arizona
  - 2009 - 2011**     **Graduate Research Associate**  
School of Transborder Studies, Arizona State  
University, Arizona
  - 2006- 2006**     **Postdoctoral Fellow**  
Karlsruhe University, Karlsruhe, Germany
  - 2005- 2005**     **Postdoctoral Fellow**  
Asian Institute of Technology, Thailand

## HONORS/AWARDS

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- 2020**     **Fulbright Scholar Award (2020-2021)**  
The Bureau of Educational and Cultural Affairs Exchange  
Program, the U.S. Department of State
  - 2019**     **FEMA's Dr. Tom Phelan Award**  
21st Annual Emergency Management Higher Education  
Symposium, Department of Homeland Security, Federal  
Emergency Management Agency (FEMA), Emmitsburg,  
Maryland
  - 2018**     **ADVANCE Leadership Institute Award**  
The University of Texas Rio Grande Valley
  - 2017**     **Distinguished Community Engagement Partner Award**  
The University of Texas Rio Grande Valley
  - 2017**     **Faculty Excellent Award**  
The University of Texas Rio Grande Valley
  - 2009**     **Graduate Fellowship Award**  
Arizona State University
  - 2008**     **Presidential Scholarship Award**  
Pennsylvania State University
  - 2006**     **Postdoctoral Fellowship Award**  
German Academic Exchange Service (DAAD), Germany
  - 2005**     **Postdoctoral Fellowship Award**  
Asian Institute of Technology, Thailand

## COURSES TAUGHT

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- GRADUATE**     **SOCI 6331 Disaster and Society**  
**SOCI 6332 GIS for Disaster Management**  
**SOCI 6315 Environmental Sociology**  
**SOCI 6376 Directed Study**  
**SOCI 7300 Thesis I**  
**SOCI 7301 Thesis II**
  - UNDERGRADUATE**     **SOCI 3348 Disaster and Society**  
**SOCI 4385 GIS for Social Sciences**  
**SOCI 3312 Environmental Sociology**  
**SOCI 1301 Introduction to Sociology**



## PUBLISHED BOOK

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Kyne, D. (2017). Nuclear Power Plant Emergencies in the United States: Managing Risks, Demographics and Response (pp. 361). Springer.

## JOURNAL ARTICLES

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Kyne, D. and Aldrich, D. (2019). Capturing Bonding, Bridging, and Linking Social Capital through Publicly Available Data, Risk, Hazards, & Crisis in Public Policy.

Kyne, D., Cisnerosb, L., Delacruz, J., Lopez, B., Madrid, C., Moran, R., Provencio, A., Felix Ramos, F. and Silva, M. F. (2019). Empirical evaluation of disaster preparedness for hurricanes in the Rio Grande Valley, Progress in Disaster Science 5: 1-12..

Kyne, D., Donner, W. and Lomeli, A. (2019). Information Seeking and Evacuation Decision Making in Hypothetical Hurricane Events in the Rio Grande Valley, Texas. International Journal of Emergency Management. 15, 1: 54-80.

Kyne, D. and Donner, W. (2019). Editorial: Aiming toward Building Disaster Resilient Communities. International Journal of Disaster Response and Emergency Management. 2, 1.

Kyne, D. and Donner, W. (2019) Editorial: Preparedness and Response For Future Disasters with Increasing Intensity and Severity Under Climate Change. International Journal of Disaster Response and Emergency Management. 1, 2.

Kyne, D., Donner, W. (2018). Editorial: A Newly Born Journal of Disaster Response and Emergency Management, International Journal of Disaster Response and Emergency Management 1, no. 1.

Kyne, D., Lomeli, A., Donner, W, Zuloaga, E. (2018). Who Will Stay and Who Will Leave? Residents Living in Potential Hurricane Impact Areas During a Hypothetical Hurricane Event in the Rio Grande Valley. Journal of Homeland Security and Emergency Management.

Kyne, D. (2016). A Fukushima-Like Disaster in New York City and Possible Issues Associated with the Extreme Event Management System. Journal of Extreme Events, 3(1), 26.

Kyne, D. (2016). Living with the Invisible Risks in U.S. Urban Areas: Potential Nuclear Power Induced Disasters, Urban Emergency Management Challenges and Environmental Justice Issues. Hazards, Risks, and Crisis in Public Policy, 7(4), 33.

Kyne, D., Bolin, B. (2016). Emerging Environmental Justice Issues in Nuclear Power and Radioactive Contamination. International Journal of Environmental Research and Public Health, 13(7), 19.

Kyne, D., Harris, J. (2015). A Longitudinal Study of Human Exposure to Potential Nuclear Power Plant Risk. International Journal of Disaster Risk Science, 6(4), 399-414.

Kyne, D. (2015). Managing Nuclear Power Induced Disasters. Emergency Management Journal, 13(5), 417-430.

Kyne, D. (2015). Public Exposure to US Commercial Nuclear Power Plants Induced Disasters. International Journal of Disaster Risk Science, 6(3), 238-249.

Kyne, D. (2012). Aiming for resilience and adaptation in managing environment: an emerging environmental and emergency leadership in the twenty-first century. International Journal of Disaster Resilience in the Built Environment, 3(1), 42-51.



## JOURNAL ARTICLES (CONTINUED)

David Pimentel, D. P., Whitecraft, M., Scott, Z. R., Zhao, L., Satkiewicz, P., Scott, T. J., Phillips, J., Szimak, D., Singh, G., Gonzalez, D. O., Kyne, D. (2011). Ethics of a sustainable world population in 100 Years. *Encyclopedia of Applied Ethics*, 2nd ed., 2.

Kyne, D. (2010). Cleanup after Katrina: an analysis on policy, process, priorities, problems, and politics. *Disaster Prevention and Management: An International Journal*, 19(3), 314–332.

Pimentel, D., Whitecraft, M., Scott, Z. R., Zhao, L., Satkiewicz, P., Scott, T. J., Phillips, J., Szimak, D., Singh, G., Gonzalez, D. O., Kyne, D. (2010). Will limited land, water, and energy control human population numbers in the future? *Human Ecology*, 38(5), 599–611.

Kyne, D. (2008). An empirical investigation of relationships between official development assistance (ODA) and human and educational development. *International Journal of Social Economics*, 35(3), 202–221.

Khang, D. B., Kyne, D. (2008). Success criteria and factors for international development projects: A life-cycle-based framework. *Project Management Journal*, 39(1), 72–84.

Kyne, D., Gehbauer, F., Senitz, S., Mueller, M. (2007). Balanced scorecard for natural disaster management projects. *Disaster Prevention and Management: An International Journal*, 16(5), 785–806.

Kyne, D., Pathranarakul, P. (2006). An integrated approach to natural disaster management: public project management and its critical success factors. *Disaster Prevention and Management: An International Journal*, 15(3), 396–413.

Kyne, D. (2005). Managerial networking of public and private sector: a study of Thai executives. *Public Administration and Management*, 10(4), 278–324.

## PRESENTATIONS

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Kyne, D. Is Nuclear Power Safe and Clean?: A Perspective from Resiliency and Sustainability. 2019 Eco Rio Environmental Studies Symposium, University of Texas Rio Grande Valley, Edinburg. (November 4, 2019).

Kyne, D. Nuclear Power-Induced Disasters and Environmental Justice Issues: Visualizing Invisible Urban Risks in US, School of Medicines (SOM) Neuroscience Research Seminar, University of Texas Rio Grande Valley, Edinburg. (July 30, 2019)

Kyne, D. Building Disaster Resiliency and the Roles of Non-Government Organizations, Disaster Resiliency Seminar, Sitagu International Buddhist Academy, Yangon, Myanmar. (July 9, 2019)

Kyne, D. Building Disaster Resiliency and Disaster Studies Program, Disaster Resiliency Seminar, National Education Policy Commission, The Government of Myanmar, Yangon, Myanmar. (July 8, 2019)

Kyne, D. Building Disaster Resiliency and the Roles of Engineers, Disaster Resiliency Seminar, Federation Myanmar Engineering Societies, Yangon, Myanmar. (July 8, 2019)

Kyne, D. A Pressing Need for Building Disaster Resiliency and Disaster Studies MA Program at UTRGV, Disaster Resiliency Seminar, Yezin Agricultural University, Yezin, Naypyidaw, Myanmar. (June 30, 2019)



## PRESENTATIONS (CONTINUED)

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Kyne, D. Service-learning for promoting diversity, inclusion, and unity for disaster resiliency, 21st Annual Emergency Management Higher Education Symposium, Department of Homeland Security, Federal Emergency Management Agency (FEMA), Emmitsburg, Maryland. (June 2019)

Kyne, D. Developing an experiential learning for both students and instructor in disaster and emergency management discipline, AAG Annual Meeting 2019, American Association of Geographers, Washington DC. (April 2019)

Kyne, D. A Service-Learning Component in Disaster Studies for Meaningful Engagement, Greater Impact, and Self-Reflection, Engaged Scholar Symposium 2019, Engaged Scholarship & Learning, University of Texas Rio Grande Valley (UTRGV), Edinburg (April 2019)

Kyne, D. Developing New Professionals for Building Disaster Resiliency: A Service-Learning Approach, NEXUS-Spring 2019, College of Liberal Arts, UTRGV (April 2019)

Kyne, D. Nuclear Power Emergency in United States of America: Challenges Associated with Standard Operation Procedures and Emergency Evacuation, International Symposium on Communicating Nuclear and Radiological Emergencies to the Public, CNREP 2018, International Atomic Energy Agency (IAEA), Vienna, Austria. (October 1-6, 2018).

Kyne, D. Priorities for a Research Initiative Focused on Coastal Regions, Coastlines & People (CoPe) Scoping Workshop, NSF 2018, the University Cooperation for Atmospheric Research (UCAR )and the National Science Foundation (NSF), Chicago, IL. (September 24-28, 2018).

Kyne, D. and Delgado, B. Understanding Hurricane Harvey and its Challenges for Evacuation: The Case of Corpus Christi, Harvey Research Symposium 2018, Sea Grant, the University of Texas Marine Science Institute, Mission-Aransas National Estuarine Research Reserve, and National Ocean and Atmospheric Agency (NOAA), Port Aransas, Texas. (August 23, 2018).

Kyne, D. Do Individuals Prepare for Major Disasters in Rio Grande Valley, Texas? XIX International Sociological Association (ISA) World Congress of Sociology, International Sociological Association (ISA), Toronto, Canada. (July 17, 2018).

Kyne, D., Donner, W. Understanding Individual Disaster Preparedness in the Aftermath of Hurricane Harvey: A Case of Rio Grande Valley, Texas, Association of American Geographers Annual Conference 2017 Association of American Geographers in New Orleans. (April 12, 2018).

Kyne, D., Donner, W. A Model of Evacuation-Decision Making for a Potential Hurricane Event in Rio Grande Valley, Association of American Geographers Annual Conference 2017 Association of American Geographers in Boston. (April 7, 2017).

Kyne, D., Bolin, B. Emerging Environmental Justice Issues in Nuclear Power and Radioactive Contamination, Association of American Geographers Annual. Conference 2016 Association of American Geographers (AAG) in San Francisco, CA. (March 29 2016).



## PRESENTATIONS (CONTINUED)

Kyne, D. GIS and its Application to Environmental Studies, Environmental Studies Symposium, University of Texas Rio Grande Valley in Ballroom. (October 26, 2015).

Kyne, D. An Empirical Investigation of Hispanic Populations Living with the Invisible Risks in the US, 2015 NAHLS International Research Forum The National Association for Hispanic and Latino Studies in South Padre Island, Texas. (October 19, 2015).

Kyne, D. GIS and its Application to Environmental Studies, Environmental Studies Symposium, University of Texas Rio Grande Valley in Ballroom. (October 26, 2015).

Kyne, D. An Empirical Investigation of Hispanic Populations Living with the Invisible Risks in the US, 2015 NAHLS International Research Forum The National Association for Hispanic and Latino Studies in South Padre Island, Texas. (October 19, 2015).

Kyne, D. Nuclear Power Risk Culture Undermining Effectiveness of Radiological Emergency Preparedness Plan: A Case Study of Palo Verde Nuclear Generation Station, Association of American Geographers (AAG) Annual Conference Association of American Geographers in Chicago. (April 16, 2015).

Kyne, D., Harris, J. Development of a Nuclear Power Plant Potential Risk Index, The 59th Annual Meeting of the Health Physics Society The Health Physics Society in Baltimore, MD. (July 13, 2014).

Kyne, D. Linking School Siting, Accountability and Academic Performance, Arizona Education Research Organization (AERO) 2011 Conference Arizona Education Research Organization (AERO) in Tucson, Arizona. (November 11, 2011).

## SPATIAL STATISTICAL SKILLS

- ArcMap, ArcPro
- STATA
- SPSS
- RASCAL 4.3, Nuclear Regulatory Commission (NRC)
- SimPacts, International Atomic Energy Agency (IAEA)

## THESIS COMMITTEE

- Alma Provencio (Chair)
- Nancy Carol (Chair)
- Joe Chavez (Chair)
- Magaly Ramirez (Chair)
- Yajaira Ayala (Committee Member)

## PROFESSIONAL MEMBERSHIP

- International Sociological Association. (2015 - Present).
- Association of American Geographers. (2009 - Present).
- American Association for Advancement of Science (2019-Present).
- American Sociological Association (2015-2018)



## PROFESSIONAL SERVICES

- 
- Committee Member, Sociology Outreach Committee. (September 29, 2017 - Present).
  - Committee Member, Sociology Website Committee. (September 29, 2017 - Present).
  - Committee Chair, Tenure-tracked Faculty (Disaster Studies) Search Committee. (October 2019- March 2020).
  - Committee Member, Disaster Studies Assessment Committee. (September 29, 2017 - Present).
  - Committee Chair, Three-Year Lecturer Search Committee. (August 2017).
  - Committee Chair, Tenure-tracked Faculty (Disaster Studies) Search Committee. (October 2019- Present).
  - Committee Member, Disaster Studies Assessment Committee. (September 29, 2017 - Present).
  - Committee Chair, Three-Year Lecturer Search Committee. (August 2017).
  - Committee Member, Emergency Faculty Search Committee. (June 2017).
  - Committee Member, Sociology General Education Core Assessments. (September 2016 - 2019).
  - Faculty Mentor, Faculty Mentor (July 2016).
  - Faculty Representative, MA Disaster Studies Program Exhibition Booth at the Graduate Fair 2017 at UTRGV. (March 9, 2017).
  - Faculty Representative, Undergraduate Sociology Degrees Exhibition at Sociology Booth at Discover UTRGV Fair. (February 25, 2017).
  - Committee Member, Core Assessment Method. (September 2016 - December 2016).
  - Committee Member, Search Committee for Tenure Track Faculty Position for Medical Sociology. (July 2016 - December 30, 2016).
  - Committee Member, Search Committee for Tenure-tracked Assistant Professor of GIS/Immigration. (October 2015 - March 2016).
  - Committee Member, Search Committee for Three-Year Untenured Lecturer. (November 20, 2015 - February 2016).
  - University Service Senator, Faculty Senate, University of Texas Rio Grande Valley. (January 2019- Present)
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- Committee Member, M.A. Disaster Studies Program. (April 2017 - Present).
  - Committee Member, Environmental Studies Program. (August 2015 - Present).
  - Conference-Related, Southwestern Texas Asian Symposium, UTRGV. (September 21, 2017 - September 30, 2017).
  - Committee Member, Undergraduate Research Initiative Review Committee. (November 1, 2015 - December 31, 2015).
  - Committee Member, Arizona Geographic Information Council, Phoenix, Arizona. (August 2014 - August 2015).
  - Board Member, Human Relations Advisory Board, Mesa City Council, Arizona, Mesa, Arizona. (January 2011 - December 2012).

## LANGUAGES

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- Burmese
  - Japanese
  - Thai



## JOURNAL REVIEWER

- 
- Social Justice Research Journal
  - International Journal of Disaster Risk Reduction
  - International Journal of Environmental Research and Public Health
  - Journal of Emergency Management
  - Sustainability Journal
  - Transactions in GIS
  - Infrastructure Journal
  - PLOS ONE
  - Atmosfera
  - Risks, Hazards & Crisis in Public Policy
  - International Journal of Disaster Resilience in the Built Environment
  - Reviewer, Grant Proposal, Decision, Risk and Management Sciences; Division of Social and Economic Sciences; Social, Behavioral and Economic Sciences; Directorate National Science Foundation (NSF)

## REFERNCES

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- Available upon request