

CLIR

Climate Resiliency Action Series

Session 1: Climate Resiliency Nuts and Bolts

Resources for the Resiliency Basics Presentation

Prepared by Jennifer Waxman, Tulane University

ONLINE RESOURCES FOR PLANNING

FAIC Climate Resilience Resources for Cultural Heritage

<https://www.resilience.culturalheritage.org/>

U.S. GLAM data set

<https://www.lsu.edu/chse/sis/research/protecct-glam/dataset.php>

Sustainable Libraries Initiative/OCLC/Webjunction six-part webinar series and learning guide

<https://www.webjunction.org/news/webjunction/sustainability-101.html>

FEMA The National Risk Index Map

<https://hazards.fema.gov/nri/>

U.S. Climate Resilience Toolkit

<https://toolkit.climate.gov/>

ARTICLES/MONOGRAPHS BY DOMAIN

GLAMR

Aldrich, R. S. (2018). *Resilience*. ALA Neal-Schuman, an imprint of the American Library Association.

Aldrich, R. S. (2018). *Sustainable thinking: ensuring your library's future in an uncertain world*. American Library Association.

American Library Association. (2022). Sustainability in Libraries: A Call to Action. Sustainability Briefing Council Committee on Sustainability.

https://www.ala.org/sites/default/files/aboutala/content/SustainabilityInLibraries_Briefing_Final_April2022.pdf

BCLA Climate Action Statement: Essential Climate Justice Responsibilities in the Library Sector. (2023). British Columbia Library Association. <https://bclaconnect.ca/wp-content/uploads/2024/01/BCLA-Climate-Action-Statement-Climate-approved-December-2023.pdf>

CCAHA White Paper on Disaster Networks. (2017). Developing Cooperative Disaster Networks for Cultural Institutions: A White Paper on the Pennsylvania Cultural Resilience Network (PaCRN). <https://ccaha.org/resources/developing-cooperative-disaster-networks-cultural-institutions-white-paper-pennsylvania>

Coordinated Statewide Emergency Preparedness: An emergency management framework for cultural resources. (2009). Northeast Document Conservation Center.

https://www.nedcc.org/assets/media/documents/COSTEP_framework_1.pdf

Goldman, B. (2024). Understanding and Reducing Greenhouse Gas Emissions in Academic Libraries. *Portal* (Baltimore, Md.), 24(1), 7–19. <https://doi.org/10.1353/pla.2024.a916987>

IFLA ENSULIB Webinar Series <https://www.ifla.org/g/environment-sustainability-and-libraries/ifla-ensulib-webinar-series/>

Mazurczyk, T., Piekielek, N., Tansey, E., & Goldman, B. (2018). American archives and climate change: Risks and adaptation. *Climate Risk Management*, 20, 111–125.
<https://doi.org/10.1016/j.crm.2018.03.005>

RIT College of Art and Design. Image Permanence Institute. Sustainable Preservation Practices. <https://www.imagepermanenceinstitute.org/research/sustainability.html>

Tansey, E. (2023). *A Green New Deal for Archives*. Zenodo. <https://doi.org/10.5281/zenodo.8222133>

Tadic, Linda. The Environmental Impact of Digital Preservation. (2024).
https://static1.squarespace.com/static/56844dac0ab37742d396c9a6/t/665e6389059bab22b940438d/1717461905862/EnvironmentallySustainablePreservation_Tadic_short_20240424.pdf

Tansey, E., & Montoya, R. D., eds. (2020). Libraries and Archives in the Anthropocene. *Journal of Critical Library and Information Studies*, 3(1). <https://doi.org/10.24242/jclis.v3i1.156>

Providing Risk of Environment's Changing Climate Threats for Galleries, Libraries, Archives, & Museums (PROTECCT-GLAM) data file https://repository.lsu.edu/sis_data/1/

ECOLOGY

Adger, W. N., Hughes, T. P., Folke, C., Carpenter, S. R., & Rockström, J. (2005). Social-Ecological Resilience to Coastal Disasters. *Science* (American Association for the Advancement of Science), 309(5737), 1036–1039. <https://doi.org/10.1126/science.1112122>

Cai, H., Lam, N., Zou, L., Qiang, Y., & Li, K. (2016). Assessing Community Resilience to Coastal Hazards in the Lower Mississippi River Basin. *Water (Basel)*, 8(2), 46-.
<https://doi.org/10.3390/w8020046>

Holling, C.S. (1973). Resilience and stability of ecological systems. Annual Review of Ecology and Systematics 4:1-23.

Holling, C.S. (1996) “Engineering Resilience versus Ecological Resilience”. In *Engineering Within Ecological Constraints* (pp. 31–44). National Academies Press. <https://doi.org/10.17226/4919>

Lam, N., N. S., Reams, M., Li, K., Li, C., & Mata, L. P. (2016). Measuring Community Resilience to Coastal Hazards along the Northern Gulf of Mexico. *Natural Hazards Review*, 17(1). doi:10.1061/(ASCE)NH.1527-6996.0000193

Lam, Nina & Reams, Margaret & Li, Kenan & Li, Chi & Mata, Lillian. (2015). Measuring Community Resilience to Coastal Hazards along the Northern Gulf of Mexico. *Natural Hazards Review*. 17. doi:04015013. 10.1061/(ASCE)NH.1527-6996.0000193.

Leopold, A. (n.d.). The Land Ethic: A Sand County Almanac, and Sketches Here and There (1949). In *The Ecological Design and Planning Reader* (pp. 108–121). Island Press/Center for Resource Economics. doi:10.5822/978-1-61091-491-8_12

Reams, Margaret & Lam, Nina & Baker, Ariele. (2012). Measuring Capacity for Resilience among Coastal Counties of the U. S. Northern Gulf of Mexico Region. *American Journal of Climate Change*. 01. 194-204. doi:10.4236/ajcc.2012.14016.

Stanton, M. C. B., & Roelich, K. (2021). Decision making under deep uncertainties: A review of the applicability of methods in practice. *Technological Forecasting & Social Change*, 171, 120939-. doi:10.1016/j.techfore.2021.120939

Summers, James & Harwell, Linda & Lamper, Andrea & McMillion, Courtney & Buck, Kyle & Smith, Lisa. (2021). Gulf of Mexico Coastal County Resilience to Natural Hazards. *Gulf and Caribbean Research*. 32. 67-78. doi:10.18785/gcr.3201.10.

Tsikliras, A.C., Froese, R. (2019). Maximum Sustainable Yield. *Encyclopedia of Ecology* (Second Edition), Elsevier. 108-115. 10.1016/B978-0-12-409548-9.10601-3.

Walker, B., C. S. Holling, S. R. Carpenter, and A. Kinzig. (2004). Resilience, adaptability and transformability in social-ecological systems. *Ecology and Society* 9(2): 5. [online] URL: <http://www.ecologyandsociety.org/vol9/iss2/art5>

ENGINEERING

Bruneau, M., Chang, S., Eguchi, R., Lee, G., O'Rourke, T., Reinhorn, A., Shinozuka, M., Tierney, K., Wallace, W., von Winterfeldt, D. (2003). A Framework to Quantitatively Assess and Enhance the Seismic Resilience of Communities, EERI Spectra Journal, Vol.19, No.4, pp.733-752.

Bruneau M., Reinhorn, A. (2006). Overview of the Resilience Concept. Proceedings of the 8th U.S. National Conference on Earthquake Engineering. San Francisco, California, USA Paper No. 2040.

Lay, Elizabeth. (2019). Hollnagel: What is Resilience Engineering? Resilience Engineering Association blog. <https://www.resilience-engineering-association.org/blog/2019/11/09/what-is-resilience-engineering/>

EMERGENCY MANAGEMENT/GOV'T/POLICY

Community and Regional Resilience Institute. (2014) Definitions of community resilience: An analysis. 2013b. Oak Ridge, TN: Community & Regional Resilience Institute. Retrieved from <http://www.resilientus.org/wp-content/uploads/2013/08/definitions-of-community-resilience.pdf>

Community Resilience System Initiative Steering Committee. (2011). Community Resilience System Initiative (CRSI) Steering Committee final report: A roadmap to increased community resilience. Oak Ridge, TN: Community & Regional Resilience Institute. Retrieved from <https://merid.org/wp-content/uploads/2019/08/CRSI-Final-Report.pdf>

Crimmins, A.R. (editor) et al. (2023). "Fifth National Climate Assessment". 10.25923/hq9a-hg76

Fang, Clara, Jessica Hench, Christa Daniels, and Abigail Abrash Walton. *Centering Equity in Climate Resilience Planning and Action: A Practitioner's Guide*. Climate-Smart Communities Series, Vol. 3. Antioch University New England 2022. 10.25923/765q-zp33

Ferreira, R., Davidson, T., Buttell, F., Contillo, C. M., Leddie, C., Leahy, C., Nuñez-Dune, C., Lentz, B., Simkins, M., Jerolleman, A., Eide, C., Glaude, M. W., Thomas, J., Leiva, D., Awbrey, M. L., & Friedman, R. (2023). Barriers to equitable disaster recovery in the United States: A research summary brief. Consortium for Equitable Disaster Resilience. <https://cedrhub.org/publications/>

Gardiner, Ned, ed., Matt Hutchins, Jim Fox, Aashka Patel, and Kim Rhodes. *Implementing the Steps to Resilience: a Practitioner's Guide*. Climate-Smart Communities Series, Vol. 6. NOAA Climate Program Office, 2022. 10.25923/9hhx-2m82

Jerolleman, A. (2019). *Disaster recovery through the lens of justice* (1st ed. 2019.). Springer International Publishing. <https://doi.org/10.1007/978-3-030-04795-5>

National Academies Press. Disaster resilience: a national imperative. (2012). National Academies Press.

Plodinec, M. J., Edwards, W. C., & White, R. K. (2014). Applications of a “Whole Community” Framework for Enhancing Community or Campus Resilience. *Procedia Economics and Finance*, 18, 9–16. [https://doi.org/10.1016/S2212-5671\(14\)00907-1](https://doi.org/10.1016/S2212-5671(14)00907-1)

Sobelson, Robyn & Wigington, Corinne & Harp, Victoria & Bronson, Bernice. (2015). A whole community approach to emergency management: Strategies and best practices of seven community programs. *Journal of emergency management* (Weston, Mass.). 13. doi:349-357. 10.5055/jem.2015.0247.

White, Robin & Edwards, Warren & Farrar, Ann & Plodinec, John. (2015). A Practical Approach to Building Resilience in America’s Communities. *American Behavioral Scientist*. 59. 200-219. 10.1177/0002764214550296.

United States. Federal Emergency Management Agency. *A whole community approach to emergency management: principles, themes, and pathways for action*. (2011). U.S. Department of Homeland Security, FEMA.

United States. The White House. National Climate Resilience Framework. (2023). <https://www.whitehouse.gov/wp-content/uploads/2023/09/National-Climate-Resilience-Framework-FINAL.pdf>

United Nations. United Nations Office for Disaster Risk Reduction. Key Concepts: Resilience. <https://www.preventionweb.net/understanding-disaster-risk/key-concepts/resilience>

INDIGENOUS KNOWLEDGE

Kimmerer, R. W. (2020). *Braiding sweetgrass : indigenous wisdom, scientific knowledge, and the teachings of plants* (Second hardcover edition.). Milkweed Editions.

University of California. “What is Climate Justice? Six Pillars.” Center for Climate Justice. September 13, 2024. <https://centerclimatejustice.universityofcalifornia.edu/>

INTERPERSONAL/ORGANIZATIONAL CHANGE

All We Can Save Circles <https://www.allwecansave.earth/circles>

Bendell, Jem. (2018). Deep adaptation: a map for navigating climate tragedy. Institute for Leadership and Sustainability (IFLAS) Occasional Papers Volume 2. University of Cumbria, Ambleside, UK. (Unpublished) ORCID: <https://orcid.org/0000-0003-0765-4413>

brown, adrienne maree. (2017). *Emergent strategy shaping change, changing worlds*. AK Press.

brown, adrienne maree. (2021). *Holding change: the way of emergent strategy facilitation and mediation*. AK Press.

Climate & Mind <https://www.climateandmind.org/what-is-climate-grief>

Inner Development Goals: Transformational Skills for Sustainable Development.
<https://innerdevelopmentgoals.org/>