

## Project Description

Currently, 26 hazard mitigation districts across the state develop their own hazard mitigation plan, each with their own definitions and parameters to describe hazard mitigation actions. The Maryland Department of Emergency Management (MDEM) currently faces the challenge of organizing and tracking the individual hazard mitigation projects proposed in these plans. The development of a centralized database and standard set of definitions and parameters will aid MDEM in tracking the progress of hazard mitigation statewide.

## Project Approach

1. Develop a uniform set of definitions to describe key aspects of hazard mitigation.
2. Design and develop a centralized tracking mechanism to organize and analyze hazard mitigation projects on a county, regional, and statewide level.
3. Enter and organize all 1,656 projects from 26 hazard mitigation plans.
4. Identify any key trends in key aspects of hazard mitigation.

## Project Goals

1. Increase documentation of hazard mitigation items statewide.
2. Identify trends in funding sources, project type, and investments in critical infrastructure and community lifelines.

## Project Definitions

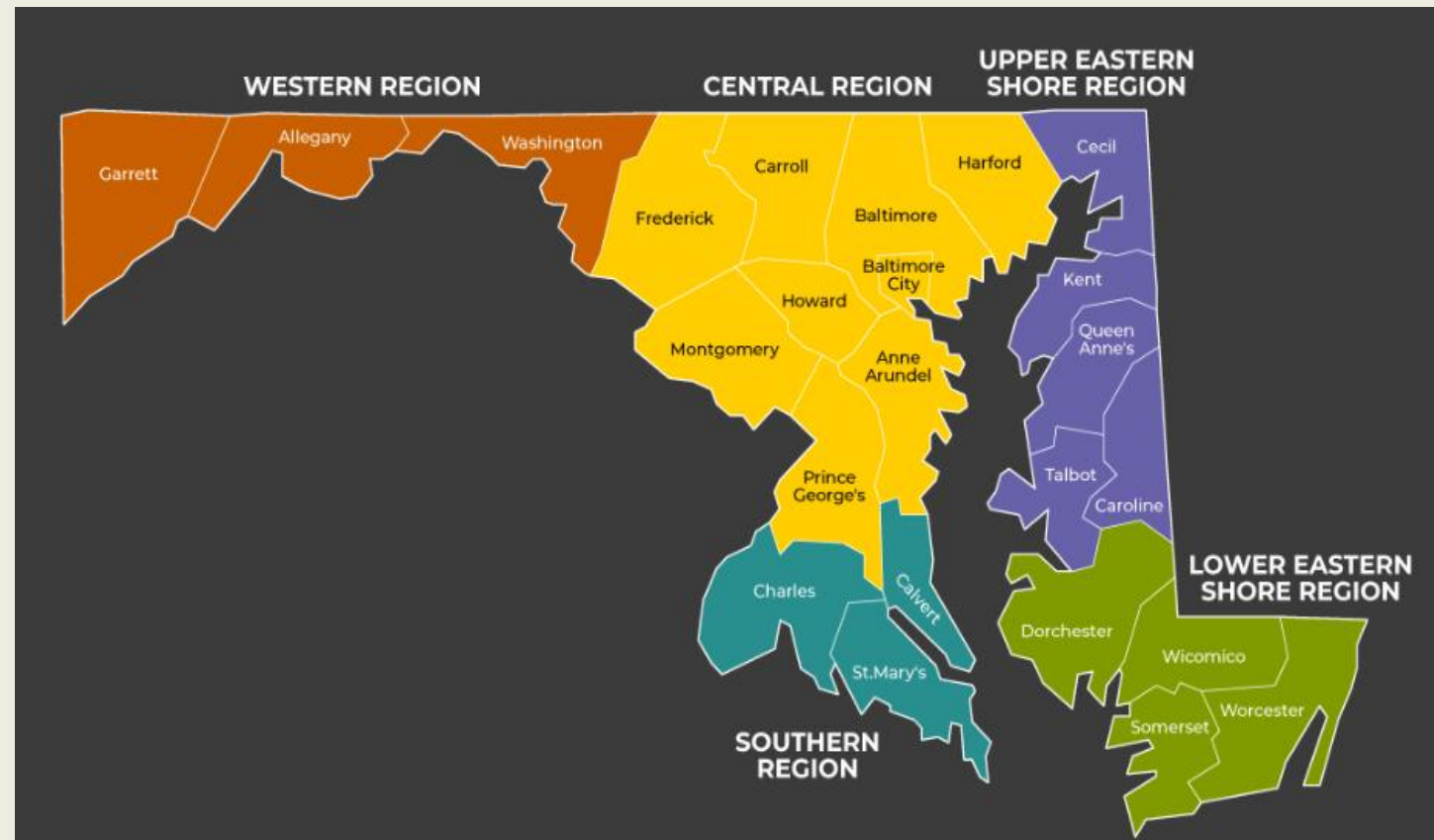
**Hazards** - Any natural or human-caused event that can potentially cause loss of life, injury, property damage, or other negative impacts.

**Emergency Management District** – Districts responsible for producing a hazard mitigation plan every 5 years.

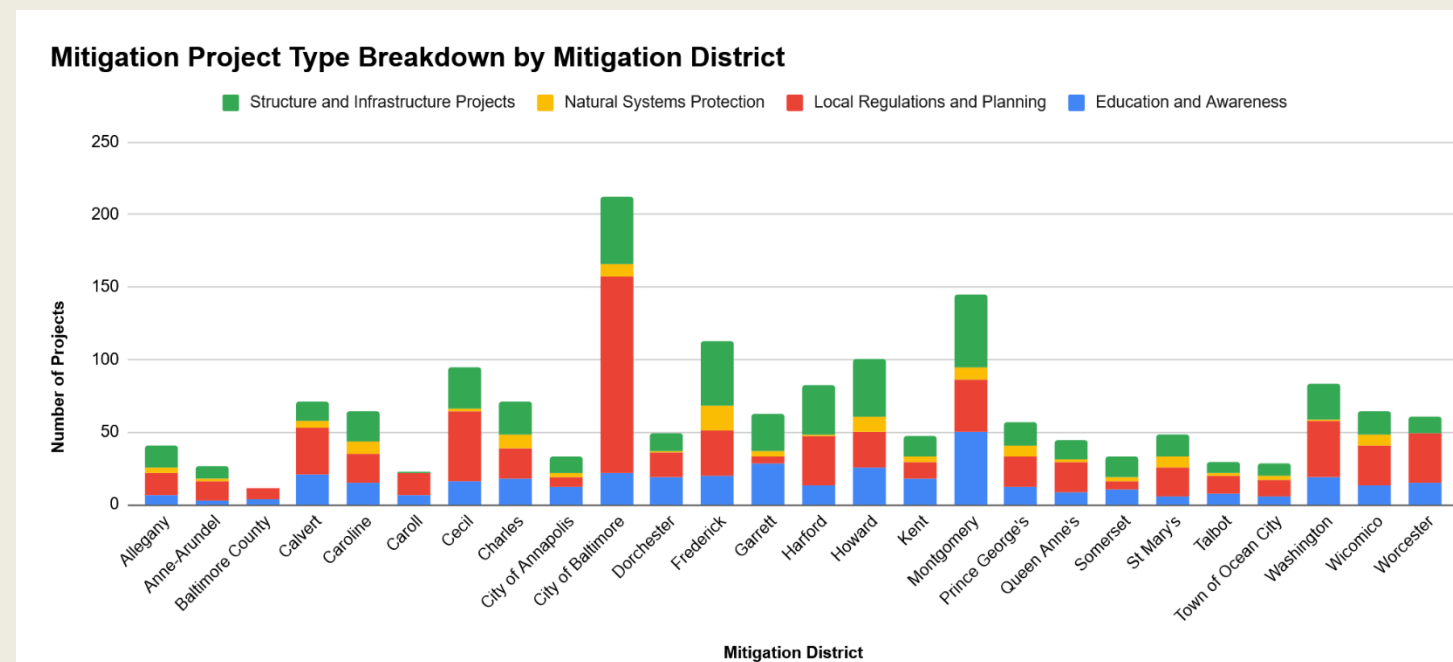
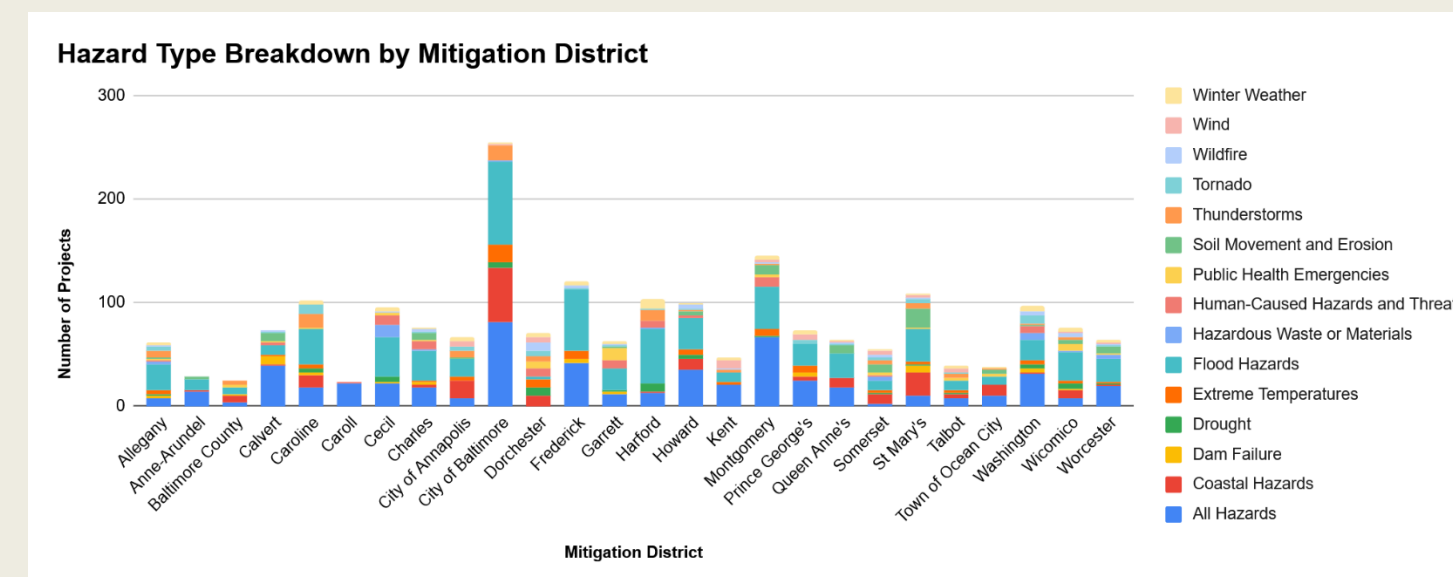
**Community Lifelines** – Infrastructure that ensures the continual operation of critical community functions such as government operations or health and medical services.

### Acknowledgements

This project was sponsored by Anna Sierra and Kapono Correia at MDEM. Special thanks to the MDEM Hazard Mitigation Team - Caitlin Whiteleather, Bridget Cantwell, and Jesse Delph, for their help and support. Additional thanks to Professor Deb Niemeier for her guidance throughout this project's development.



Maryland Department of Emergency Management. (2021, August). *Emergency Management Districts of Maryland*.  
[https://mdem.maryland.gov/community/Documents/2021\\_MEMA%20HazMitPlanFINAL\\_CLEAN%20with%20Appendices.pdf](https://mdem.maryland.gov/community/Documents/2021_MEMA%20HazMitPlanFINAL_CLEAN%20with%20Appendices.pdf).



Region	#1 Ranked Hazard	#2 Ranked Hazard	#3 Ranked Hazard
Western	Flood Hazards	Human-Caused Hazards and Threats	Public Health Emergencies
Central	Flood Hazards	Coastal Hazards	Extreme Temperatures
Southern	Flood Hazards	Coastal Hazards	Soil Movement and Erosion
Upper Eastern Shore	Flood Hazards	Coastal Hazards	Thunderstorms
Lower Eastern Shore	Flood Hazards	Coastal Hazards	Soil Movement and Erosion

