



FEMA | Preparedness Toolkit

Resources for GIS Staff

The Preparedness Toolkit (PrepToolkit) is designed to promote implementation of the National Preparedness System (NPS). The Hazard Explorer platform within PrepToolkit provides a suite of location-enabled tools and resources to support the implementation of preparedness activities, from identifying and visualizing risk exposure based on authoritative publicly available data, to aiding in the development of risk-based planning assumptions and realistic exercise scenarios.

What is Hazard Explorer?

Hazard Explorer is a publicly available resource within PrepToolkit. It guides users in applying location-enabled tools and resources during preparedness activities.



Predictive analytics and requirements



Affirming or adjusting the operational picture



Program speed through visualization and automation

Hazard Explorer is a suite of tools and resources to aid whole community partners:

- Conduct a preliminary assessment of hazard exposure and risk analysis across a broad spectrum of threats and potential impacts to people and infrastructure.
- Inform the planning process with step-by-step guidance on integrating location-enabled data analysis.
- Develop realistic exercise scenarios using the Hazard Explorer Tool.

Tools and Resources for GIS Staff

Hazard Explorer provides links to tools and resources that directly support GIS Staff in preparedness activities. Content is curated and organized specifically to assist GIS Staff in their operations as well as their role to support Preparedness and Exercise Planners. Through Hazard Explorer, GIS staff can:

- View standard operating procedures to assist with daily and emergency operations.
- Discover data and resources to support all phases of emergency management.
- Learn how GIS can support Exercise and Preparedness Planner activities.

Governance and SOPs

Apps and Tools

Open Data Portals

For more information visit:

<https://preptoolkit.fema.gov>
<https://preptoolkit.fema.gov/user-guide>

Or contact:

support@preptoolkit.fema.dhs.gov



FEMA | Preparedness Toolkit

Hazard Explorer Tool

The Hazard Explorer Tool is geospatial application preconfigured with hazard exposure data for 17 natural and man-made hazards for the nation. The tool incorporates social vulnerability and critical infrastructure GIS data.



1

Identify hazards for which a community has exposure and the potential impacts to people and infrastructure.

2

Determine a realistic, and plausible **exercise scenario** with real-world impacts.

3

Access a **catalog of data resources** to import into other mapping applications to conduct further analysis.

Get Started



Hazard Explorer can be accessed directly from the FEMA PrepToolkit Welcome page (<https://preptoolkit.fema.gov/welcome>) and does not require a PrepToolkit account. Explore tools and resources that support role-specific preparedness activities.

Data Resources: Discover base, hazard, and historic disaster data, and sources for live feeds. Get started with pre-configured maps that support the Lifelines Construct or by Emergency Support Function to engage agency and community partners. Then, search the Open Data Map Application to locate local data resources.

Modeling and Analytical Tools: Search by specific threat or hazard and locate tools to assist from Mitigation through Recovery across all mission areas. Search the Model and Data Inventory (MoDI), an inventory of datasets and models used by Emergency Management.

Examples of Best Practices: Discover examples of Geo-Enabled Plans and other decision support tools to aid leaders and operators transition from deliberate to crisis planning.

For more information visit:

<https://preptoolkit.fema.gov>

<https://preptoolkit.fema.gov/user-guide>

Or contact:

support@preptoolkit.fema.dhs.gov