



# Leader in disaster mitigation for greater resiliency and responsiveness to the impact of climate change

The Polis Center at IUPUI plays a critical role in solving complex community-centered problems, using spatial data, with a focus on supporting disaster mitigation and responsiveness to climate change and its repercussions. Our strengths are in developing multi-hazard mitigation plans (MHMP); developing FEMA Risk Mapping, Assessment and Planning (Risk MAP) compliant flood data, maps, and documents; modeling the economic and social effects of natural disasters and planning activities to mitigate them; collaborating with local experts to understand and apply results for place-based community solutions; performing spatial analysis; and creating ArcGIS Online dashboards, story maps, and applications to effectively communicate with stakeholders.

## Spatial Analysis

- Assess physical vulnerabilities and social and economic impacts of natural disasters
- Help organizations and communities define, measure, and increase their sustainability and effectiveness.
- Create mitigation plans that lead to more resilient communities and eligibility to apply for federal mitigation grants.
- Perform analysis to support better decision-making about community resilience, health, and well-being.
- Offer professional training in GIS and other geospatial technologies used in disaster risk assessment and mitigation planning.

## Create Actionable Information

- Develop information that empowers and transforms communities through applied research, analysis, modeling, strategic planning, and evaluation.
- Apply spatial analysis and statistical methods to model communities in creative ways.
- Help organizations plan for their future and evaluate the effectiveness and impact of their programs.

## Develop Knowledge Platforms

- Create information systems to explore the interconnectedness of people, places, infrastructure, and events and reveal trends and patterns about important community challenges.
- Develop data warehouses, portals, and dashboards to integrate, analyze, manage, and share data in easy-to-use formats such as maps and other meaningful visualizations.

**For more information, contact Danielle Lafever, 317.278.4905**

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