

Special Issue: Community Resilience, Risk, and Access to Essential Services

Editors: Seth Guikema and Tom Logan

Access to services and amenities is increasingly recognized as fundamental to community risk and resilience. This special issue of *Risk Analysis* aims to advance both theory and practice in this emerging field through three key themes:

1. Theoretical Integration and Advancement

- Integration across the dimensions of access including accessibility, awareness, availability, adequacy, affordability, and acceptability
- Integration of accessibility frameworks with established vulnerability and resilience theories
- Development of frameworks bridging potential vs realized access
- Role of access in shaping social cohesion and adaptive capacity
- Environmental justice implications of differential access

2. Methodological Innovation

- Novel applications of big data including spatial data and cell phone mobility patterns
- Methods for measuring and modeling cascading impacts
- Techniques for capturing the spatial and temporal dynamics of access
- Integration of multiple hazards and chronic stressors
- Approaches for estimating and validating access-based resilience metrics
- Methods for using access-based resilience metrics to inform risk management and resilience planning decisions

3. Practice and Implementation

- Case studies examining changes in access during both acute shocks and chronic stress
- Examples ranging from natural hazard response to environmental risk exposure
- Evaluation of interventions aimed at improving equitable access
- Applications informing policy and planning decisions
- Decision support tools incorporating access considerations

We encourage papers that span these themes and bridge disciplinary boundaries. Of particular interest are papers that examine multiple dimensions of access, challenge existing theoretical frameworks, or demonstrate novel applications of emerging data sources and methods

The special issue will advance current theory and practice by establishing access as a unifying concept that bridges technical and social dimensions of resilience. It will provide validated methodologies for measuring and modeling access-based resilience while demonstrating practical applications that can inform policy and planning. By developing frameworks that explicitly consider equity and social justice, and creating new connections between previously separate theoretical domains, this issue will help establish access as a fundamental concept in resilience theory and practice.

Deadline: September 30, 2025