Within the theme of resilience, the **Global Resilience Institute** supports multi-disciplinary research in *seven strategic focus areas* that draw on the diversity of resilience-related expertise that exists at **Northeastern University**. You can sort our experts through these seven categories:

1. **Tools and measurement**: Research and development of risk-based models, visualization, and simulation tools and measurement methodologies to support urban planning; public policy; community development, public safety, security, and emergency management; and post-disaster recovery and adaptation.

2. **Design and engineering**: Research on cross-sector design of infrastructure, systems, and networks that prepare for climate change and other disruptive hazards – both man-made and naturally occurring.

3. **Governance and incentives**: Research on the role of regulations, standards, codes, and market-based incentives such as insurance, reinsurance, and financing that can advance early and widespread adoption of resilience best practices by public, private and non-governmental networked organizations.

4. **Individual and health**: Research on the capacity for individuals to cope and respond to trauma and adversity, and to stay healthy while aging, including linkages between physical and emotional health.

5. **Social and community**: Research on social interactions, networks, and communications to include the role of social media within communities; cultural resilience; inclusive well-being and prosperity for all members of a community; barriers that contribute to growing socio-economic inequality, racial and gender exclusion, and other forms of disparity in vulnerabilities and opportunities.

6. **Security and systems**: Research on the role of resilience in response to transnational threats; conventional and cyber-physical attacks on critical infrastructure with the associated risk of cascading failures; and cyber, information, and communications security.

7. **Socio-ecological**: Research on integrated ecological, socioeconomic, and cultural systems in the context of climate change, globalization, and other anthropogenic disruptions.