Resilience Redefined

Developing Roadmaps to Innovative Emergency Management Tools for the University of British Columbia

What IS an HRVA?

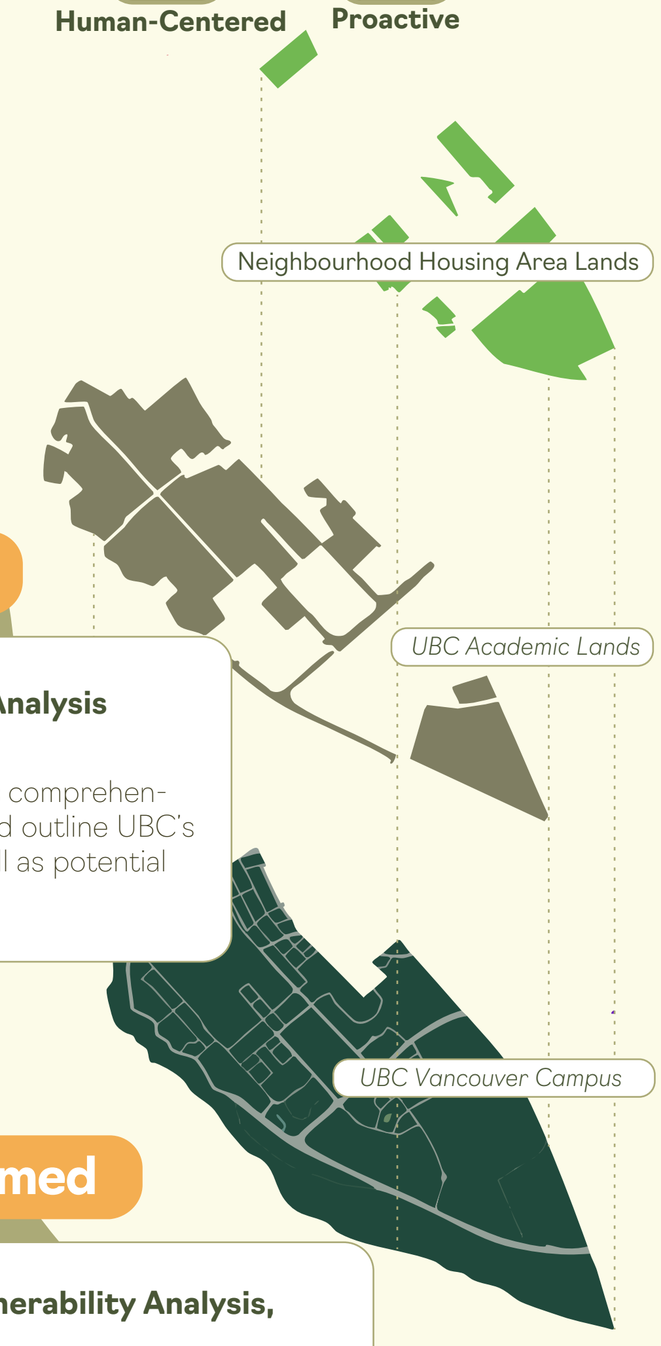
An **Hazard Risk and Vulnerability Assessment** (HRVA) is an **emergency management tool** utilized to help communities plan for and respond to various emergencies, both natural hazards and non-natural.

Driving Values

Flexible **Human-Centered** **Proactive**

Why Does UBC Need an Innovative HRVA?

Traditional HRVAs typically only come to understand a community's potential risks and vulnerabilities within a quantitative, limited timeframe. The development of a novel HRVA for UBCV will act as an risk-informed and flexible predictor of vulnerability and generator of resilience as the both the community, climate, and our understanding of both develop.



Scoping

Project scoping allows for significant and well-defined understanding of project's goals & objectives.

Data Gathering

The data gathering phase pulls together key information to assess hazards, risks, and vulnerabilities.

Analysis

The process of assessing hazards and risks through a structured methodology involving data collection, analysis, and upkeep.

Sharing

Working with stakeholders to develop, implement, and continuously refine risk reduction strategies.

Supporting

Concentrated efforts to to build the adaptive capacities of community actors is crucial to ensure a comprehensive community response.

Approach 1: Legislation-Informed

The Development of a Hazard, Risk and Vulnerability Analysis that Aligns with British Columbia's HRVA Standards

This option follows the standards outlined in British Columbia's comprehensive 9 step HRVA process. The resulting report will provide and outline UBC's understanding of physical and social impacts of hazards, as well as potential reduction strategies.

Approach 2: Flexibilty-Informed

The Creation of a Novel Hazard, Risk and Vulnerability Analysis, Informed by Climate and Data Projection

In accordance with the University of California's model, this option will entail the development of a a risk-informed and flexible HRVA intended to provide projections of climate and vulnerability. This model will incorporate integrated data monitoring, robust community understanding, and population and climate forcasting.

Approach 3: Community-Informed

The Development of a Community-Centred and Informed Hazard, Risk and Vulnerability Analysis

This option builds on the quantitative work of the previous options. In this, concentrated efforts to build the adaptive capacities of these actors is enacted to ensure a comprehensive community response to hazard preparation and aftermath.

A Holistic, Human, and Capacity Informed Approach to Hazard Risk Management

The frameworks provided intend to capture evolving risks while supporting community and organizational capacity. This result is a plan with actionable recommendations to guide a unique HRVA development, ensuring it remains responsive to evolving threats.

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