



BAGUIO 2043:

A Livable, Inclusive and Creative City

NATIONAL VISION:

Matatag, Maginhawa at Panatag na Buhay

BAGUIO 2043: A LIVABLE, INCLUSIVE AND CREATIVE CITY

AMBISYON 2040

WHERE WE WANT TO BE

SOCIAL SECTOR VISION:

A harmonious and thriving city with responsive, accessible, and equitable social services.

ENVIRONMENTAL SECTOR VISION

A city with a sustainable and regenerative environment for generations to cherish, expand and preserve.

ECONOMIC SECTOR VISION:

A robust, vibrant, and innovative city with an economy that prioritizes growth, social equity, and conservation.

INFRASTRUCTURE SECTOR VISION:

A flourishing city that builds adaptive and interconnected infrastructure for lasting benefits.

6 SECTORS OF URBAN DEVELOPMENT

DRR-CCA VISION: A city that fosters inclusivity and resiliency through innovation, collaboration, and knowledge-based approaches.

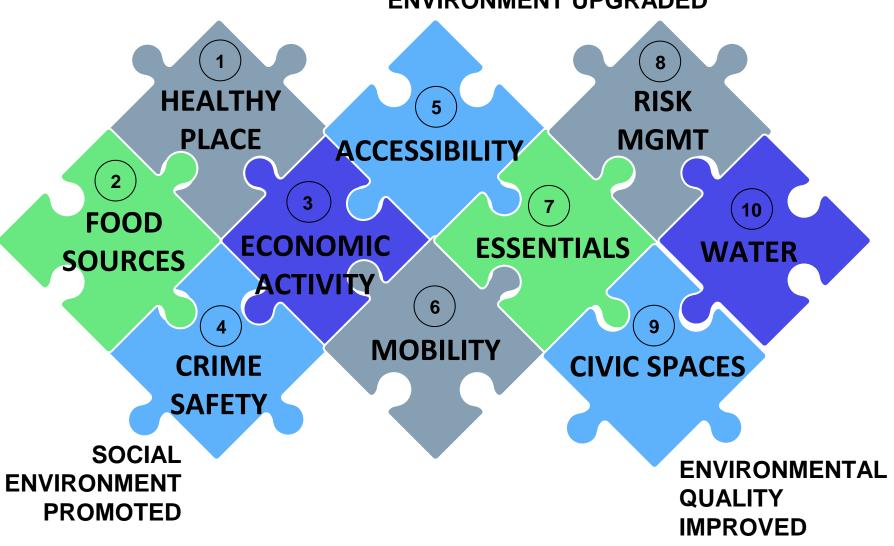
INSTITUTIONAL VISION: A dynamic, progressive, and livable city, driven by principles of good governance.

CARRYING CAPACITY CHALLENGES

WHERE WE ARE RIGHT NOW

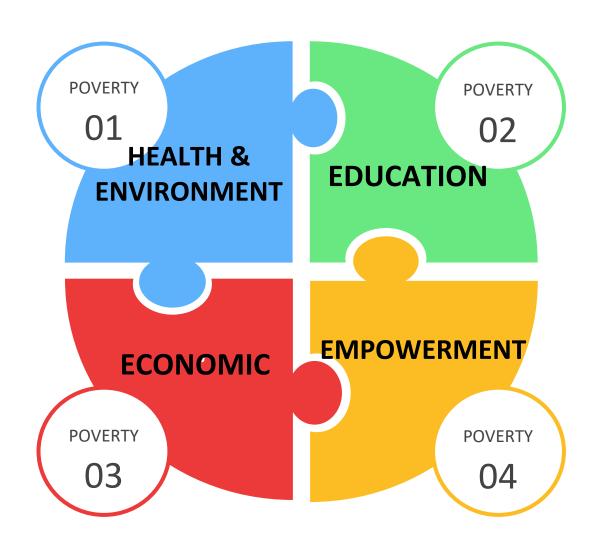
DIMENSIONS OF LIVABILITY





DIMENSIONS OF <u>INCLUSIVITY</u>

OVERCOMING THE FOUR FORMS OF URBAN POVERTY:



DIMENSIONS OF <u>CREATIVITY</u>

01

Urban Rejuvenation, Urban Planning and Placemaking

- 1. Livability;
- Cultural facilities, libraries, performance spaces;
- 3. Recreational facilities;
- Aesthetics and architecture of the place;
- 5. Quality of open spaces;
- 6. Spatial diversity, mixed land use and zoning;
- 7. Urban buzz, experiences along city streets; and
- 8. Climate adaptation and resilience.

02

Economic Development and Institutional Support

- 1. Vision and leadership
- 2. Investments:
- 3. Artistic Freedom:
- 4. Entrepreneurship, reputation of design-led products;
- Local Economic Development Strategy, monitoring and evaluation;
- Policies and enabling strategies;
- Cultural employment;
- Creative and knowledge industries, scale and scope;
- Cultural and creative organizations; and
- 10. Creative outputs, intellectual property/patents.

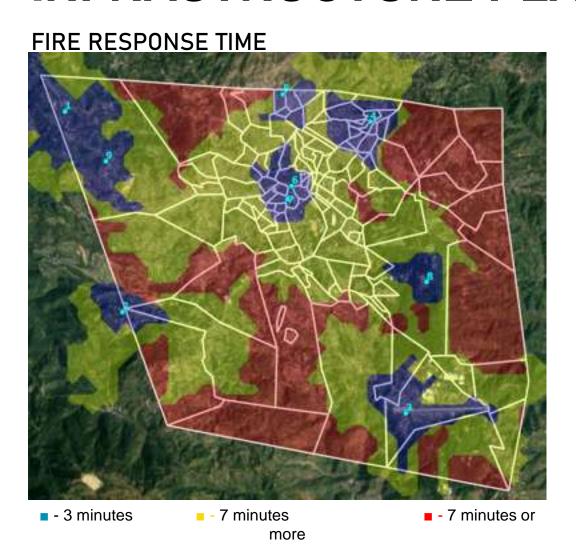
03

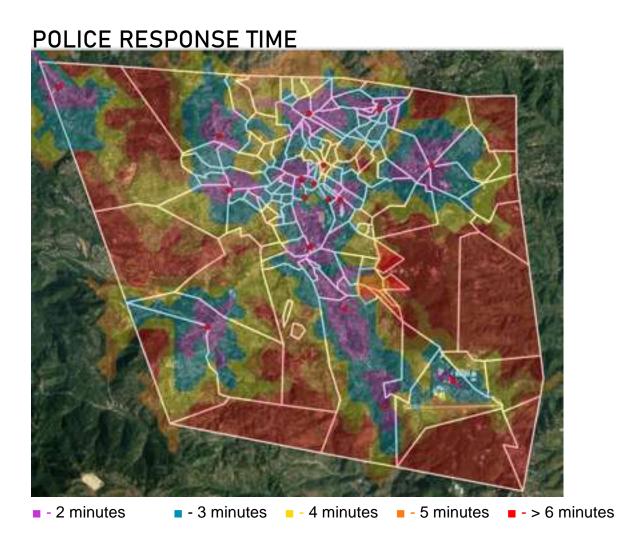
Cultural and Social Authenticity

- Cultural mapping, preservation, conservation, adaptive reuse;
- 2. Distinctiveness, Cultural Tourism and attractions;
- 3. Cultural activities, participation;
- 4. Talent development, cultural learning, arts and creative education/schools, informal learning;
- 5. Cultural assets, human capital, the creative sector:
- 6. Technology and innovation, R&D, Festivals, concerts, outdoor activities, dining experience, nightlife;
- 7. Diversity, openness, sense of belonging;
- 8. Involvement and empowerment; and
- 9. Connectedness and networking

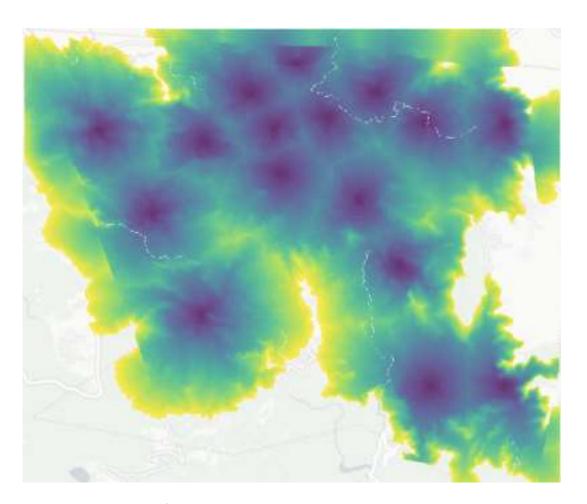


NETWORK ANALYSIS AND CRITICAL INFRASTRUCTURE PLANNING





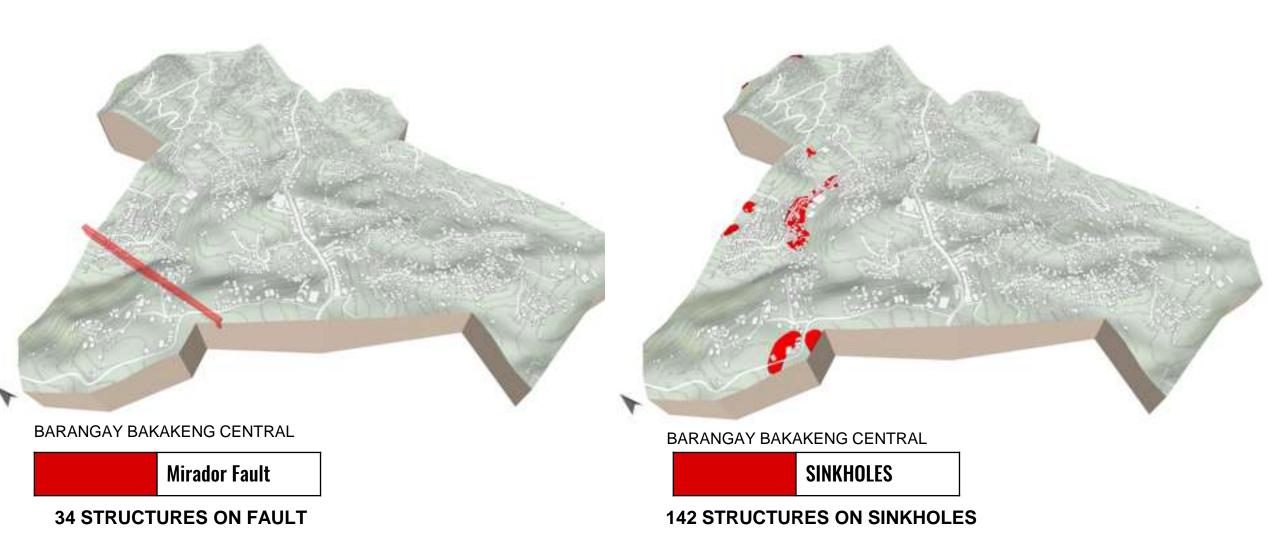
ACCESSIBILITY OF HEALTH FACILITIES



Current coverage

With two additional sites

HAZARDS AND RISK MANAGEMENT



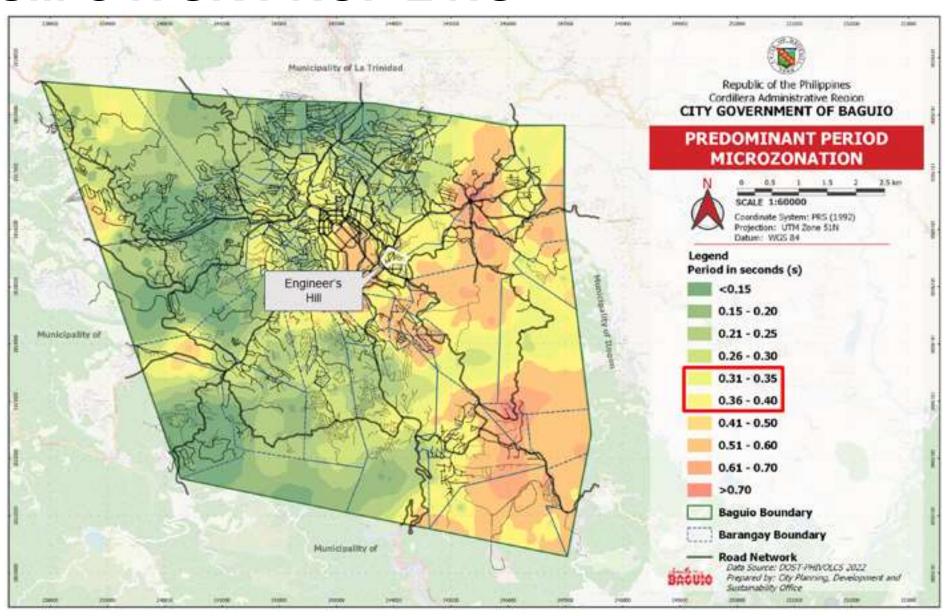


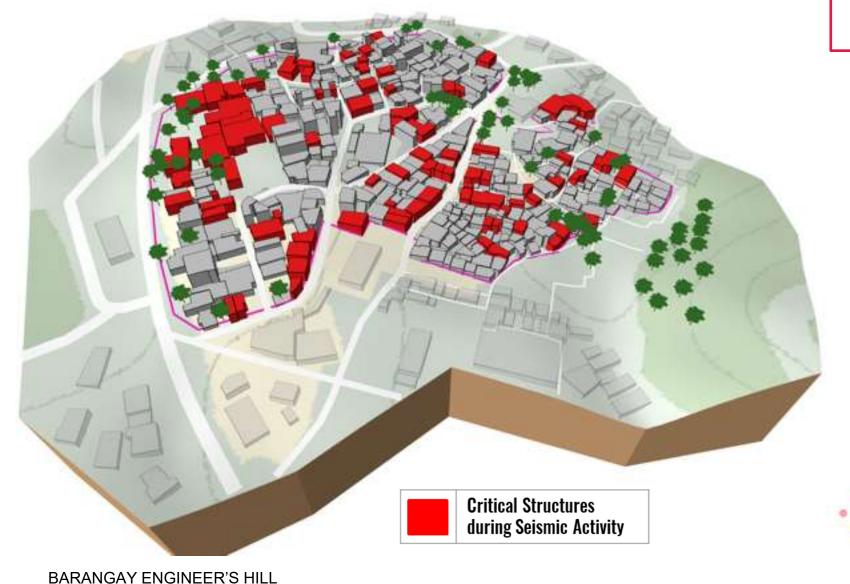
Number of Floors 1 2 3 4 5

Storey	Number of
Number	Buildings
1	57
2	200
3	83
4	18
5	5
6	3
	366



BARANGAY ENGINEER'S HILL





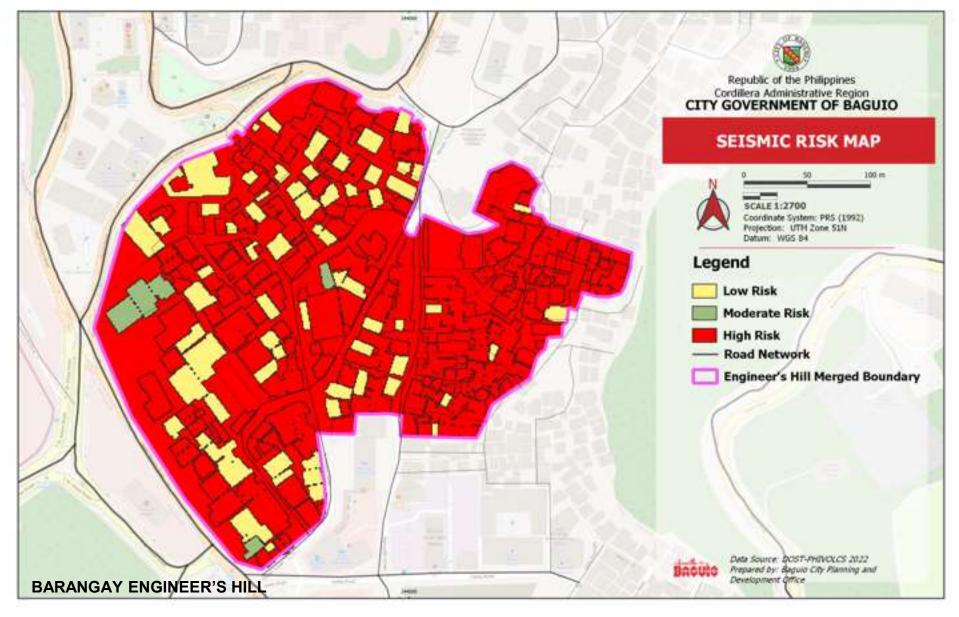
30%

of the building period coincides with the ground period

Critical Structures during Seismic Activity

111/366

Legend	Period in Seconds
	< 0.15
	0.15 - 0.20
	0.21 – 0.25
	0.26 - 0.30
	0.31 – 0.35
	0.36 - 0.40
	0.41 – 0.50
	0.51 – 0.60
	0.61 - 0.70
	> 0.70



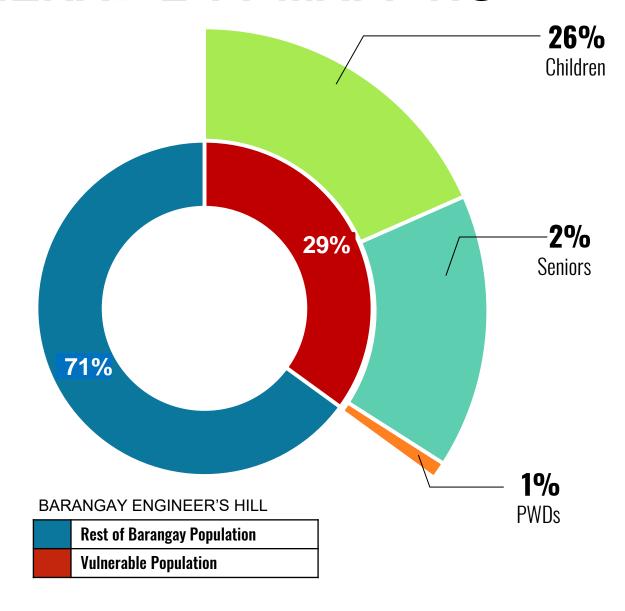
HAZARD

- 1. Topography/Slope
- 2. Soil Type
- 3. Peak Ground Acceleration (PGA)

VULNERABILITY + EXPOSURE

- 4. Building Number of Stories
- 5. Building Age
- 6. Building Typology
- 7. Structural Condition
- 8. Function
- Utilization (degree of use)
- 10. Physical Density
- 11. Street Network
- 12. Open Space Accessibility

VULNERABILITY MAPPING



Composition of Vulnerable Population	
	Children aged O-14 years old
	Senior Citizens
	Persons with Disabilities (PWDs)
	Displaced Households
	Households living below the poverty line

MINERVA Goals

Complement Baguio City's urban and ecological renewal efforts through Data Science, Artificial Intelligence, Complex Systems.

- To model how the coupling of crowdedness/mobility and economic activities impact the quality of life.
- To create a smart city index for Baguio City with the following sub-indices:



TOWARDS A SAFE AND SOUND CITY







- 1. Community Engagement
- 2. Actionable Goals
- 3. Resources and Commitment
- 4. Adaptability



INTELLIGENT CITIES ARE LIVABLE CITIES

