This is not an ADB material. The views expressed in this document are the views of the author/s and/or their organizations and do not necessarily reflect the views or policies of the Asian Development Bank, or its Board of Governors, or the governments they represent. ADB does not guarantee the accuracy and/or completeness of the material's contents, and accepts no responsibility for any direct or indirect consequence of their use or reliance, whether wholly or partially. Please feel free to contact the authors directly should you have queries.

Asia Water Forum 2022

8-11 August 2022 • Online

Focus Area: Climate change and water-related risks Session Title: BAGUIO CITY SMART FLOOD WARNING, INFORMATION AND MITIGATION SYSTEM

Schedule: [Date | Time]





- Baguio City: challenges and opportunities
- Baguio vision for a resilient, people-centric and smart city
- Overview, current findings and outputs of the Baguio FEWS project
- FEWS Design
- Key focus on Institutional Capacities
- Key focus on Gender and Inclusion
- Next steps



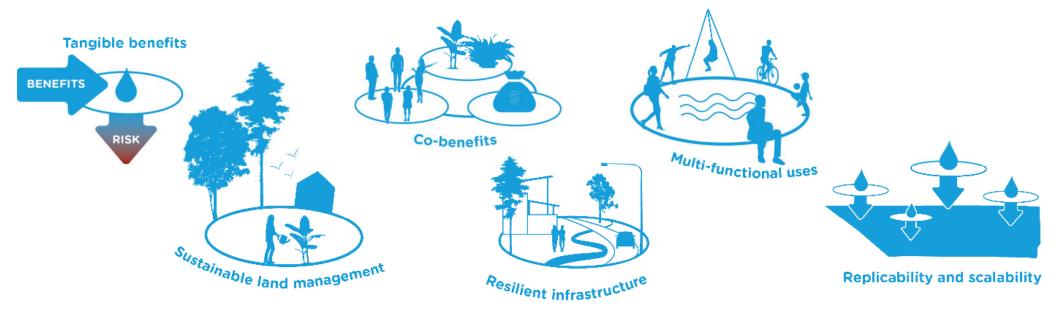


Baguio City Challenges and Opportunities





ADB





Overview, current findings and outputs of the Baguio FEWS project

Improving **community disaster preparedness**, rising **awareness** and ensuring **ownership** to enhance **urban resilience**

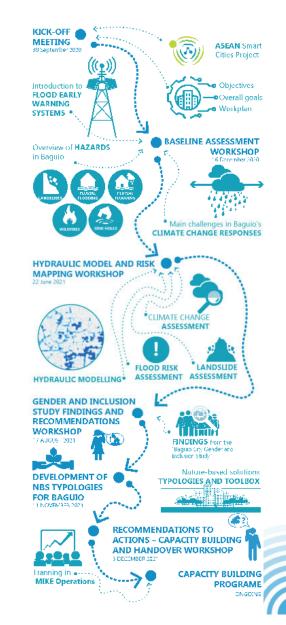


ADB

Overview, current findings and outputs of the Baguio FEWS project

EXPECTED OUTPUTS

- Establishment and execution of a Smart Flood Early Warning Information System (FEWS)
- Establishment of a real-time data capture system in four river basins in Baguio City
- Preparation of a flood mitigation action plan





Werview, current findings and outputs of the Baguio FEWS project





FEWS System

ADB

Baguio CDRRMO Operation Center/EOC (This may soon be replaced by the Smart City Command Center within the year)

Key focus on Institutional Capacities



ENHANCED CAPACITY BUILDING AND ON-THE-JOB TRAINING

Main objective:

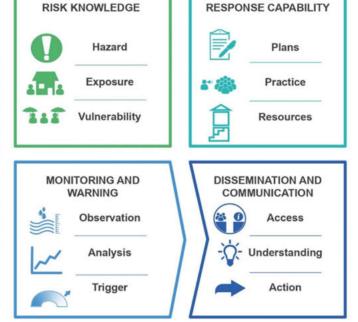
"Ensuring the long-term sustainability for the established FEWS by securing the required local capacity for operating and utilizing the FEWS as an active risk mitigation instrument beyond the timeframe of the pilot project"





A MULTI-HAZARD APPROACH

EFFECTIVE GOVERNANCE AND INSTITUTIONAL ARRANGEMENTS K KNOWLEDGE RESPONSE CAPA



CONSIDERATION OF GENDER PERSPECTIVES AND CULTURAL DIVERSITY

GENDER TRANSFORMATIVE APPROACH FOR STRENGTHENED DEVELOPMENT, APPLICATION AND REPLICATION OF THE BAGUIO CITY FEWS

Main objective:

- to ensure appropriate, applicable, and timely early warning reaches the last mile, including the most vulnerable, recognizing that effective FEWS are people-centric.
- to provide specific, usable, and relevant actions/guidance on gender transformative approaches that can be built into the design and implementation of the FEWS.



Baguio FEWS Project – next steps

- 1. Continue working with the design of the FEWS, including testing during the monsoon
- 2. Undertake post-monsoon evaluation, and draft O&M manual
- 3. Prepare Standard Operating Procedures
- 4. Site visits (June and September 2022)
- 5. Finish Capacity Building Program and outline plan for continued development
- 6. Focus on on-the-job trainings
- 7. Project finishes at the end of 2022



