SAINT LOUIS UNIVERSITY

Baguio City, Philippines

Metric 13.3 Environmental education measures



13 CLIMATE ACTION

Times Higher Education Sustainability Impact Ratings

AY 2025-2026

SAINT LOUIS UNIVERSITY

Baguio City, Philippines

Indicator 13.3.4 Inform and support government



13 CLIMATE ACTION

Times Higher Education Sustainability Impact Ratings

AY 2025-2026

Receiving Local-Government Recognition for Environmental Partnership

BAGUIO CITY RECOGNIZES SLU AS AN ACADEMIC ALLY IN ENVIRONMENTAL STEWARDSHIP AND SUSTAINABLE GOVERNANCE



On 20 July 2026, the City Government of Baguio formally commended SLU for its partnership in civic education, local governance, and environmental stewardship across Baguio City and the Cordillera Administrative Region. The city recognized SLU writers and technical working groups involved in the Pansa-nopen Tayo Circular Economy Resource Book developed with UNDP and the EU-PH Green Economy Partnership. The handbook integrates sustainable waste practices, resource conservation, and local indigenous knowledge into education. This is useful external validation of SLU–local government environmental collaboration, though it is broader than the specific 13.3.4 requirement on climate-disaster early warning and monitoring.



Supporting Local Government Through Disaster Analytics

SLU EQUIPS HAPPY HOLLOW WITH DIGITAL MONITORING, MAPPING, AND EVACUATION TOOLS

On 16 June 2026, Saint Louis University reported the completion of Project 3 of the Industrial Engineering Department's 5S-LIFE Extension Program with Happy Hollow Barangay. The project produced three disaster-risk-reduction tools: the Barangay Disaster Analytics System (BDAS), Barangay Spot Map and Evacuation Maps (BMAPS), and Barangay Evacuation Routes and Facilities (BEVAC). BMAPS was turned over on 17 February 2026, while BDAS was turned over on 29 May 2026. BDAS was developed using SQL and Excel to help barangay officials monitor, manage, and communicate disaster-related information. BMAPS used QGIS, while BEVAC applied network analysis to determine optimal routes from different puroks to the nearest evacuation centers instead of relying only on intuition or experience. SLU conducted one-on-one hands-on training for barangay officials on 7 and 19 March 2026, covering BDAS operation, BMAPS updating, and preparation of disaster-preparedness reports.

The Happy Hollow Barangay Council subsequently adopted BMAPS and BDAS as official systems through Barangay Resolution No. 30, Series of 2026 and Barangay Resolution No. 41, Series of 2026. The related extension research won Best Paper at iCREaTe 2026 on 25 March 2026 and was submitted to the Journal of Intelligent Systems and Advanced Data Science on 28 May 2026.



Practicing Government Disaster-Response Protocols

SLU IMPLEMENTS NDRRMC EARTHQUAKE PREPAREDNESS PROCEDURES ACROSS ITS CAMPUSES



On 12 March 2026, SLU conducted the First Quarter Nationwide Simultaneous Earthquake Drill across various campuses following the NDRRMC mandate. Participants performed Duck, Cover and Hold, followed by evacuation and room-by-room headcounts to identify missing persons and assess safety. The exercise demonstrates SLU's participation in a government-coordinated preparedness framework. It is useful supporting evidence of institutional readiness but is weaker for 13.3.4 because the activity does not itself show SLU providing early-warning or monitoring information to government.





Supporting Baguio's Climate-Risk Early Warning System

SMART SENSORS, CLIMATE-RISK ASSESSMENT, AND REAL-TIME DATA STRENGTHEN CITY DISASTER MONITORING

SLU's project page describes Baguio City's Smart Flood Early Warning, Information, and Mitigation System under the ASEAN-Australia Smart Cities Trust Fund. The initiative supports the City Government of Baguio in flood-mitigation planning, early-warning delivery, and disaster response using smart technologies. It includes water-level sensors at key river locations, real-time weather-data collection, climate-change assessment for modelling and design, capacity building, and on-the-job training. The page also notes assistance for a climate-risk and vulnerability assessment, greenhouse-gas inventory, and prioritization of climate projects. Although the page predates the current reporting period, it demonstrates the institutional foundation of SLU's ongoing support for local-government climate-risk monitoring and early warning.



Innovating Environmental Monitoring Through Geospatial Technology

CORDIMAP COMBINES SATELLITE DATA AND AI TO SUPPORT RESOURCE AND DISASTER DECISIONS

On 4 December 2025, a team of fourth-year Bachelor of Science in Information Technology students from Saint Louis University's School of Accountancy, Management, Computing and Information Studies placed among the Top 10 finalists in the BPI-DOST Innovation Awards 2025 at EDSA Shangri-La, Manila for "Cordimap: Hybrid Machine and Deep Learning-Based Web Application for Interactive Mapping of Land Cover and Water Balance in the Cordillera Administrative Region." Guided by Dr. Beverly Estephany P. Ferrer, the team developed a web application to address environmental pressures in the Cordillera associated with urbanization, climate change, deforestation, changing rainfall, drought, and water shortages. Cordimap integrates a U-Net deep-learning model using Sentinel-2 L2A satellite imagery for land-cover classification and an XGBoost time-series forecasting model using ESRI water-balance data to predict water-balance trends. The application can visualize land cover using provincial and municipal political boundaries and forecast water-balance conditions.



Promoting Disaster Resilience Through Public Engagement

SLU EXTENDS CLIMATE ADAPTATION AND PREPAREDNESS LEARNING TO THE COMMUNITY



On 18 July 2026, Saint Louis University's School of Advanced Studies and Graduate School Society participated in the 38th National Disaster Resilience Month Roadshow and Static Display at Malcolm Square, Baguio City. The event brought together government agencies, academic institutions, and community organizations to promote disaster preparedness, resilience, and public awareness. SLU's exhibit highlighted the Diploma in Disaster Risk Management offered by the School of Advanced Studies. The SLU booth also used interactive learning activities and trivia games designed for participants of different ages to reinforce essential concepts related to preparedness, risk reduction, and community resilience.

The University emphasized that preparedness begins with awareness and shared responsibility. Through its participation, SLU extended disaster-resilience education beyond formal classes and engaged the wider community alongside government and other organizations involved in resilience-building.



The SLU SDG Report 2026