

THROUGH THE EYES OF AN EAGLE

LAWIN – A DIGITAL REVOLUTION IN FOREST PROTECTION

Context

Pressures from growing population, urbanization, and climate change, along with threats such as illegal logging and slash and burn farming are causing natural forest and biodiversity to decline.



1.6 BILLION PEOPLE

(more than 20% of the world's population) rely on forests for their livelihoods.



80% OF ALL TERRESTRIAL ANIMAL AND PLANT SPECIES live in forests.



70% OF THE PHILIPPINES' NATURAL FOREST has been lost during the last century.



46% OF SPECIES FOUND IN THE PHILIPPINES exist in no other country, and 15% are threatened.

The Lawin Forest and Biodiversity Protection System

Lawin, named after the Philippine Hawk Eagle, combines science-based planning, user-friendly technology, and indigenous knowledge to protect forests. Like the eagle, Lawin keeps watch over natural forests and helps communities and government focus conservation efforts where they are needed most.

SCIENCE-BASED PLANNING

- Assessments of forest and biodiversity
- Defined conservation areas
- Measurable conservation targets

PARTNERSHIP FOR PROTECTION

- Participatory decision-making
- Enforcement of environmental laws
- Support to alternative livelihoods
- Prioritized resource allocation



TECHNOLOGY-AIDED MONITORING

- User-friendly system
- Paperless, geo-referenced data encoding
- Seamless data transfer from patrollers to data manager

SMART ANALYSIS

- Measures protection efforts
- Evaluates trends and effectiveness
- Generates maps and graphs

Benefits of Lawin



Lawin was **nationally adopted by the Philippine government** and has helped to foster partnerships between communities and the government.



Lawin is a **low-cost, collaborative protection system that uses open-source software**, equally accessible to communities, private sector, and government.



Through its use of real-time and measurable data, Lawin **allows environmental law enforcement agencies to act quickly.**



Lawin improves **government accountability and transparency** by making information and data available to forest communities and others.

The Philippines Biodiversity and Watersheds Improved for Stronger Economy and Ecosystem Resilience (B+WISER) Program was designed by the Philippines Department of Environment and Natural Resources and the United States Agency for International Development. It aims to conserve biodiversity in forest areas, reduce forest degradation in targeted locations, build capacity for biodiversity conservation and forest management, and contribute to disaster risk reduction.

All Context panel icons are from the Noun Project.



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