



Natural Capital Accounting Action Plan for the Sto Tomas Watershed

EEG-ERDB Team



University of the Philippines
LOS BAÑOS

Highlights and Agreements

Team agreed to focus on the following ecosystem services, mainly from:

- Carbon Sequestration
- Annual and Seasonal Water Yield

Sediment retention services were not prioritized because the InVEST program cannot, at the moment, account for the presence and impacts of lahar in the watershed

Lahar is a unique feature of the watershed landscape



Highlights and Agreements

Team agreed on the following timeline and tasking for the activities related to measuring these ecosystem services through the InVEST Program

Activities	Proposed Dates/ Schedule of Completion	Responsible Party(s)
Identification of Data Sources	August, 2024	EEG c/o Dr. Canesio Predo
Collection of Data	August, 2024	ERDB (Focal Person: Ms. Abi Bautista)
Initial runs of InVEST	August, 2024	ERDB (Focal Person: Ms. Abi Bautista)

Follow-up hands on training on InVEST Modules for Sediment retention, Carbon sequestration, and Annual/ Seasonal Water Yield is also being planned for interested Regional offices of FMB and ERDB

Highlights and Agreements

The following valuation methodologies, consistent with the UN SEEA framework were identified for each of the ecosystem services

Regulating Ecosystem Services

- Carbon Sequestration
- Annual/ Seasonal Water Yield

Potential Valuation Techniques

- Market Based (Social Cost of Carbon)
- Avoided Flood Damage Costs;
Productivity change; Rent estimation



Highlights and Agreements

For the productivity change method, primary data collection through a HH farming survey was proposed

Secondary data for the dominant crop in the watershed will be used for the rent estimation

Avoided damage cost from floods will also use secondary data. Data on flood return periods, damages, and affected sectors will come from various agencies such as NDRRMC and publicly available data such as NOAA's IBTRACKS and UP Project Noah's



Valuation Plan

Finally, the following Valuation Plan was presented by EEG

Activities

1. Scoping Activities
 - FGDs; KIIs to identify beneficiaries and benefits that are actually important to users/ beneficiaries
 - Literature review and secondary data scoping
2. Finalization of valuation methodologies
3. Training on identified valuation methodologies
4. Fieldwork preparation
 - Workshop on data collection protocols
 - Development of Research instruments
5. Data collection and Analysis
6. Report writing