



**PALAWAN STATE UNIVERSITY**

# FOREST CONSERVATION-RELATED RESEARCHES AND EXTENSION



# **FOREST CONSERVATION- RELATED RESEARCHES AND EXTENSION PROGRAMS**



# **PSU-SIFMA Project**

- SIFMA or Socialized Industrial Forest Management Agreement
- It is a 500-ha area situated at barangay Culasian, Rizal, Palawan
- It is where forest-related research, extension, and production programs of PSU are lodged
- The project generally aimed at attaining two things, and these are:
  - a. Poverty amelioration, and
  - b. Forest protection and rehabilitation



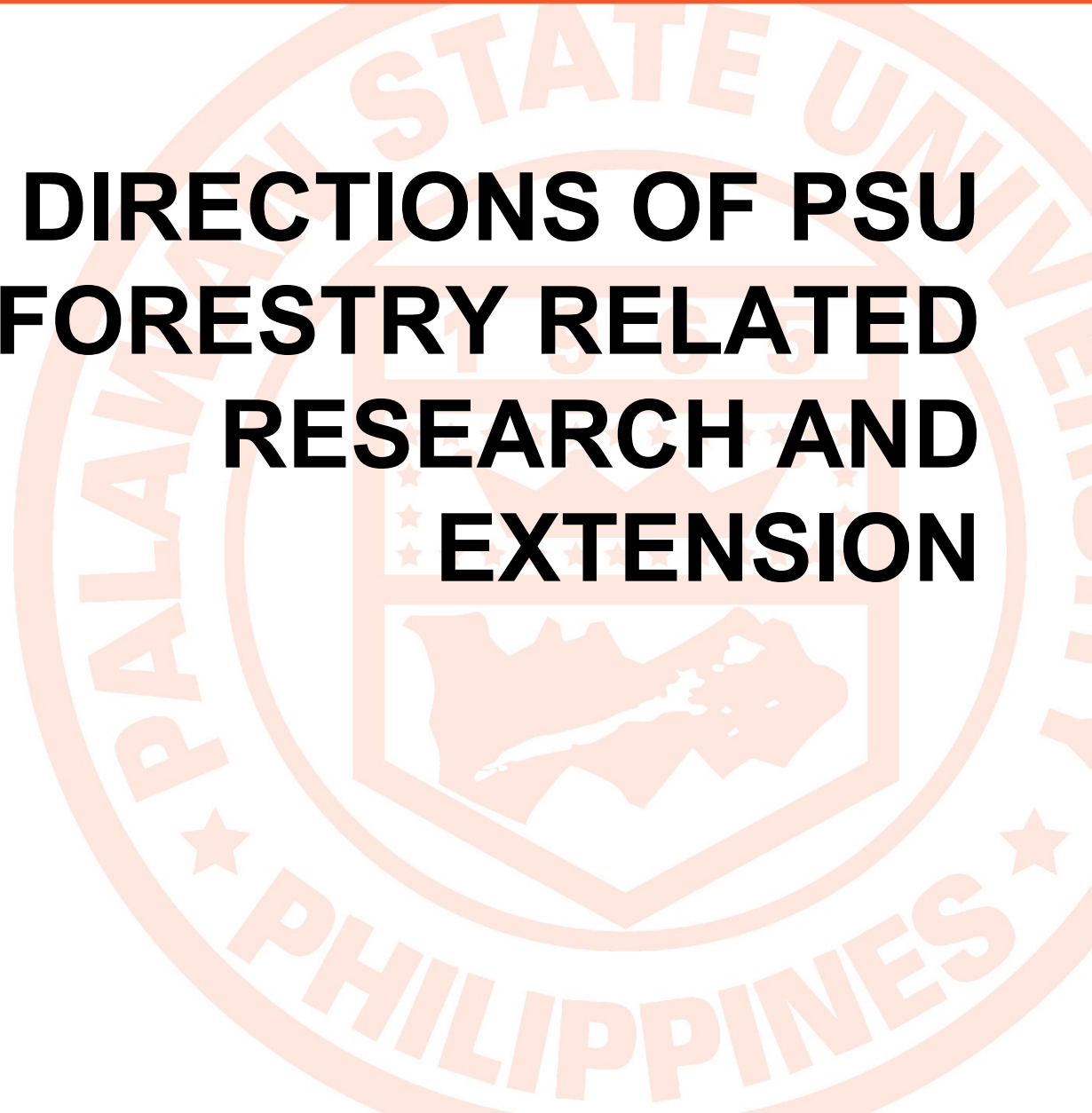


# Research and Extension activities were focused on:

- Adaptation trials
- Growth performance
- Landscape Function Analysis
- Biomass and carbon sequestration
- PORADISE (Palm Oil, Rubber, and Abaca Development Industries for Sustainable Environment) – for kaingin areas
- Assisted Natural Regeneration and Enrichment Planting – natural forest buffer zones
- Project LEAP (Learning while EArning Program)
- CLIMBER (Continuing Livelihood Intervention on a Mountain-Based Ecosystem Rehabilitation)



# **FUTURE DIRECTIONS OF PSU ON FORESTRY RELATED RESEARCH AND EXTENSION**





AREAS	RESEARCH	EXTENSION
Climate change mitigation	<p>Biomass and carbon sequestration</p> <ul style="list-style-type: none"><li>• PSU campuses</li><li>• Municipalities<ul style="list-style-type: none"><li>o Urban</li><li>o Natural forest landscapes</li><li>o Manmade forest landscape</li></ul></li><li>• Parks</li><li>• Protected areas</li><li>• Watersheds</li></ul>	<p>Biomass and carbon sequestration</p> <p>Assessment training</p> <ul style="list-style-type: none"><li>• Provide training for LGUs in Palawan</li><li>• Development of training manuals on biomass and carbon estimation</li></ul>
	<p>Greenhouse gases emissions inventory</p> <ul style="list-style-type: none"><li>• PSU campuses and municipalities</li></ul>	<p>GHG emissions inventory training</p> <ul style="list-style-type: none"><li>• LGUs</li><li>• Development of training manuals on GHG emissions inventory</li></ul>



AREAS	RESEARCH	EXTENSION
<b>Climate change adaptation</b>	Vulnerability and adaptation to climate change (Upland communities/forest dwelling communities/IPs: Pala'wan, Tagbanua, Molbog, Batak, other groups)	<ul style="list-style-type: none"><li>• Seminars and trainings to increase awareness and resilience of IPs/Forest dwelling communities/ Upland</li><li>• Development of training manuals/modules on CC adaptation &amp; mitigation</li></ul>



AREAS	RESEARCH	EXTENSION
<b>Watersheds</b>	Characterization of critical watersheds (social, biological, physical components)	<ul style="list-style-type: none"><li>• Livelihood trainings, health and environmental awareness seminars</li><li>• Development of training modules on biodiversity conservation, livelihood, health, and environmental awareness</li></ul>
<b>Biodiversity</b>	<ul style="list-style-type: none"><li>• Flora and fauna assessments</li><li>• Population and distribution studies</li><li>• Genetic characterization</li></ul>	





AREAS	RESEARCH	EXTENSION
<b>Sustainable management practices on natural resources</b>	<p>Assessment, case studies or documentations of effective and sustainable forest management practices</p> <ul style="list-style-type: none"><li>• IKSP on the management and conservation of natural resources</li><li>• CBFM</li><li>• SIFMA</li></ul>	<p>Development of manual on IKSP on the sustainable management and conservation of natural resources</p>
<b>Indigenous Community Conserved areas and territories</b>	<ul style="list-style-type: none"><li>• Biomass and carbon sequestration</li><li>• Resource inventory</li></ul>	<ul style="list-style-type: none"><li>• Capacity building</li><li>• Conservation planning</li></ul>



AREAS	RESEARCH	EXTENSION
<b>Natural resources mapping</b>	Establishment of Remote Sensing and Geographic Information System Laboratory	<ul style="list-style-type: none"><li>• Geospatial trainings</li><li>• Development of geospatial training manuals</li></ul>
<b>Ecosystems Research Laboratory</b>	<p>Palawan Ecosystems Research Laboratory for Achieving Sustainability (PERLAS) Institute</p> <ul style="list-style-type: none"><li>• Beema bamboo</li><li>• Sustainable and Diversified Waste Management Strategy for a Zero Waste Market/City</li></ul>	<p>Trainings on:</p> <ul style="list-style-type: none"><li>• Beema bamboo production</li><li>• Biochar</li><li>• Bioenergy</li><li>• Waste recycling</li><li>• Biomass and carbon accounting</li><li>• Partnership with industries</li></ul>



**thank you!**

