


**Summer Field School [Online] on  
 MOUNTAIN ECOSYSTEMS AND RESOURCE MANAGEMENT  
 Ivano-Frankivsk Region, Ukraine :: 19-28 September, 2021**

**DELEGATE PARTICIPANT'S PROFILE**

	<p><b>Neil Jun S. Lobite</b>  <i>Assistant Professor</i>            Department of Forest Biological Sciences            College of Forestry and Natural Resources            University of the Philippines Los Baños            Laguna, Philippines</p> <p>Tel: +63929 6787098            Email: <a href="mailto:nslobite@up.edu.ph">nslobite@up.edu.ph</a></p>
<b>Highest Education</b>	MSc (Wildlife Studies)
<b>Personal Statement</b>	<p>I am Ph.D. student in Environmental Science with cognate in Natural Resource Conservation and Zoology at the University of the Philippines – Los Banos. I do hold a deep interest in various topics related to ecology, biodiversity conservation and natural resource management, but my main interest is on understanding the responses of biodiversity at multiple dimensions (taxonomic, functional, genetic and phylogenetic) along elevational and disturbance gradients and on modeling the interactive effects of global change drivers (climate, land use and socio-economic) on biodiversity and ecological services on island systems. I am also interested in getting conservation to be effective, and that has meant a shift from a more ecological approach to one that incorporates elements of social sciences, economics and environmental policy gravitating towards social-ecological system approaches. Currently, my Ph.D. research delves on assessing the linkage between Biodiversity, Ecosystem Services, and Resilience on Island systems, assessing its responses and trends under global change drivers to identify areas of importance for conservation and management. My research focused in the Philippines – an insular, mountainous system high in biodiversity yet facing a multiple anthropogenic threats. Ultimately, my research will provide scientific inputs to help</p>

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	<p>ensure effective policy and sustainable development in the country and envision to contribute to the development of new tools and indicators that will be fit-for-purpose in tracking biodiversity and ecosystem services responses, so that they can be managed within sustainable bounds.</p> <p>With my line of interest and research, participation at the summer field school and workshop on Mountain Ecosystems and Resource Management would be a great opportunity for me to acquire and increase my knowledge and technical training on managing natural resources and in governing these resources for sustainability which would be very useful for my current research. I am eager to join the summer field school as the main topics are well suited to my interests and with the research path that I am pursuing in.</p>
<b>Paper/Presentation Title (Unpublished Research or Review or Field Work)</b>	<i>Modelling Wildlife Diversity on Philippine Mountain Landscapes and Assessing the Importance of Protected Areas for its Conservation under Changing Climate</i>
<b>Keywords</b>	Wildlife diversity; Philippine wildlife; Species distribution; Protected areas
<b>Abstract (100-300 words)</b>	<p>Mountain landscapes in the Philippines are considered as a remarkable biodiversity hotspot owing to the richness of its species and ecosystem diversity. Yet these landscapes are highly threatened by land use and climate changes. To provide legal protection on Philippine wildlife diversity and its habitat, a National Integrated Protected Areas Systems had been established in the country which are essential for its conservation and management. Despite the rich diversity, there is a scarcity of studies analyzing and modelling the wildlife species distribution and richness in these mountain landscapes. In this paper, I modelled the distribution, species richness and composition of Philippine wildlife using various modelling algorithms (Maxent, Random Forest, Generalized Linear Model) and conducted stacked species distribution modeling (SSDM). I then assessed the role of the Philippine protected areas (PA) in conserving Philippine wildlife diversity in mountain landscapes by comparing their diversity</p>

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	within and outside each PA under current and future climate conditions.
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