

Resource and Hazard Analysis of Selected Farmland Communities along Bicol River

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ABSTRACT

This study provides information on resource and hazard map in selected farmland communities along Bicol River Basin specifically, identify and map-out the agri-fishery resources, climate-related hazard areas, agricultural infrastructures, landmarks and other relevant resources, determine the climate adaptation practices and strategies of agriculture and livestock in the community and propose a farm emergency plan intended for agricultural and livestock goods to minimize economic losses. Resource and Hazard Mapping was used as a tool in the Participatory Rural Appraisal (PRA). Six communities from representative project beneficiaries from the Department of Agriculture Project Funded were identified as target participants. Results of PRA revealed that the majority of the land resources in the above-mentioned barangays are being utilized in rice, high-value crop and corn farming while fishing, livestock, and poultry are considered other livelihood sources. Their geographical advantage is also their agricultural weakness, as much of their farmland is prone to flooding during the wet season and drought during the dry season. Most farmers employ adaptation strategies such as early maturing, submergence tolerance, and salinity tolerance, as well as seeking another potential source of income. The resource and hazard map not just depicts various aspects related to agriculture, it is also a useful tool to the enhanced resilience from natural hazards and disasters.

Keywords: Resource and Hazard Map, Participatory Rural Appraisal (PRA), Rice Farming, Farming, Bicol River, Bicol River Basin

About the presenter:

Jessica Dionne R. Nunag is an academic instructor in the Tourism Management Department of Partido State University-San Jose Campus. She teaches Tourism Marketing, Events Management, Strategic Management, Sustainable Tourism and other tourism core subjects. As part of her professional development, she is taking her Doctorate in Tourism and Hospitality Management at the De La Salle- College of St. Benilde. She has presented findings of her scientific works in numerous local, national and international conferences. Her research focus is multidisciplinary; with focus on tourism planning, management and promotion, sustainable tourism, community-based tourism and tourism applications addressing societal and environmental issues.

