

Appendix J.

Research and Development and Extension Agenda Geoscience and Disaster Risk Management Research and Development Center

Goal: A climate change research and training center and serves as repository of up-to-date readily available and compatible geospatial data for researchers, planners and decision makers in Region 02.

Objectives:

1. To increase GIS users and practitioners to boost climate change adaptation and mitigation strategies in the region;
2. To increase researches with spatial attributes along building disaster resilient communities in the region;
3. To increase awareness of community residents through advocacies and technical assistance to improve climate change risks resiliency in the region;
4. To establish strong collaboration with researchers, local partners and the communities through a network of geospatial climate related information in the region.

RESEARCH AND DEVELOPMENT PROJECT	COMPONENT STUDIES	R&D RESULTS UTILIZATION	TARGET DATE OF IMPLEMENTATION					RESPONSIBLE PERSON	BUDGET
			2016	2017	2018	2019	2020		
Thematic Area 1: HUMAN RESOURCE DEVELOPMENT									
Project 1: Strengthening CSU competencies in GIS utilization	Study 1: Survey of GIS Users and Practitioners in CSU	Benchmark data to determine training needs							
	Study 2: Extent of GIS utilization in CSU Researches								
Project 2: Strengthening Local Partners Competencies in GIS utilization	Study 1: : Survey of GIS Users and Practitioners in Cagayan								
	Study 2: Extent of GIS utilization of Researches								
	Study 3: Impact Assessment of GIS Competency Trainings Conducted								
Project 3: Capability Building	Conduct of Basic GIS Trainings								

	Conduct of Advance GIS Trainings								
	Attendance to trainers training								
	Staff Development								
Thematic Area 2: DISASTER PREVENTION and MITIGATION									
Project 1: Strengthening Climate Hazards Adaptation and Mitigation	Study 1: Asses Level of Awareness to Climate Hazards								
	Study 2: Assessment of Hazards Adaptation and Mitigation Practices								
	Study 3: Piloting hazard adaptation and mitigation technology packages								
	Study 4: Impact Assessment of CCA and DRR initiatives								
Project 1: Hazards Vulnerability and Risk Assessment	Study 1: Vulnerability Analysis and Mapping of Representative Ecosystems in Cagayan								
	Study 2:								

	Risk Analysis and Mapping of Vulnerable Ecosystems in Cagayan								
Thematic Area 3: DISASTER PREPAREDNESS									
Project 1. Public Awareness Campaign on CCA/DRR	Study 1. Development of IEC Materials								
	Hazard awareness campaign to communities								
	Study 2. IEC on Disaster Prevention								
	Study 3. IEC on DRR								
	Study 4. IEC on CCAM to communities								
Project 2. Packaging of CCA/DRR technology	Study 1. Technical Assistance on adaptation and mitigation technologies to selected barangays								
	Study 2.								

	Model community to package CCA/DRR technology								
	Study 1. Develop and pilot technology based Multi hazard EWS in selected municipalities								
	Study 2. Public awareness programme on EWS								
Thematic Area 4: CLIMATE RELATED GEOSPATIAL DATA NETWORKING									
Project 1 Establishment of geospatial climate related information network in the region	Study 1. Compile database of natural disasters in the province								
	Study 2. Identification of collaborative research studies geared towards creation of climate related geospatial information in Region 02								

	Study 3. Policy formulation on data acquisition and utilization								
	Study 4. Building climate related geospatial database								