



BATANGAS STATE UNIVERSITY

The National Engineering University

EDUCAF: EMPOWERING SUSTAINABLE FUTURES THROUGH INNOVATIVE AGRI-TECH FOR FARMERS AND FORESTERS



The EDUCAF program (Extension project Delivery of Useful Agri-for-technologies for Committed Agriculture and Forestry Farmers), focused on delivering agricultural technology and knowledge to committed farmers and students, conducted different key projects in Batangas, Philippines, aimed at enhancing local agriculture and community sustainability.

One of the projects is the **BARAKO – Batangas Actions towards Revitalization and Acceleration of Kapeng Barako**, a DA-BAR-funded project that aimed to develop an optimized method on propagating 'kapeng barako' seedlings. The technology involved a combination of remote sensing and smart farming for monitoring environmental conditions and the introduction of automation for precision agriculture, biotechnology, and crop science for determining the suitable strain for 'kapeng barako' seedlings for optimized propagation. The technology is now started to extend to the 'kapeng barako' farmers through training and capability building.





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Other projects were done to promote the value of school gardening as a contribution to the feeding program and raises awareness to have locally grown vegetables and crops that will benefit the community.

• Mabisa Eco Farm Enhancement

- Students from Batangas State University improved Mabisa Eco Farm through vegetable gardening and landscaping. This includes planting commercially viable crops, building pathways, and enhancing the farm's landscape to attract visitors. The project aimed to strengthen community ties, promote sustainable practices, and offer students hands-on farming experience.

• Lobo Senior High School Vegetable Garden

- To support Lobo Senior High School in maintaining its vegetable garden for the "Gulayan sa Paaralan" program, EDUCAF participants helped the school staff with garden upkeep. This initiative aimed to boost student nutrition, support the school's feeding program, and raise awareness of the value of school gardening as a source of local produce.

• Masaguitsit-Banalo National High School Garden Project

- Similarly, students assisted Masaguitsit-Banalo National High School in maintaining its vegetable garden to support the school's role in the "Gulayan sa Paaralan" program. The project promoted food security, health awareness, and practical agricultural skills that students can replicate at home, contributing to the community's long-term economic and nutritional well-being.

Each project reinforces sustainable agriculture, student learning, and community involvement, emphasizing the role of local food production in improving health, nutrition, and environmental awareness.





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GREEN LEGACY PLEDGE “RED SPARTANIM: PLANTING ROOTS OF SUSTAINABILITY”



In response to the global call of environmental sustainability, the University positioned itself as a leading higher education institution in creating a lasting positive impact on the planet. As we celebrate the 120th Founding anniversary, the Center for Sustainable Development is excited to unveil a transformative initiative – the Green Legacy Pledge. This is a long-term tree planting project that aims to plant 1.2 million trees around the Province of Batangas. The campus-wide activity is expected to plant 1,000 trees and this will be participated by the teaching and non-teaching employees of all the 6 Colleges in partnership with the Extension Office and Environmental Management Unit (EMU).



The said activity's goal is to contribute to the preservation and restoration of biodiversity, fostering a healthier and more resilient ecosystem, educate and engage University stakeholders in the importance of preserving and enhancing the natural environment, reinforce the spirit of volunteerism in the BatStateU community, and promote awareness on how renewable energy is significant in addressing the climate crisis. The Sustainable Development Office believe that University has the power to change lives and contribute to environmental restoration and preservation through their resources, competence, and expertise.



University-wide Tree Planting “Green Legacy Pledge – Red Spartanim” at Brgy. San Miguel, Sto. Tomas, Batangas with coordination with the City Environment and Natural Resources Office of Sto. Tomas Batangas from 6:00 am to 11:00 am.

Source: Research, Development and Extension Services Office

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INTERNATIONAL COASTAL CLEAN-UP 2023: EMBODYING UNITY



International Coastal Cleanup Day is observed annually on the third Saturday of September. This event brings together millions of volunteers from all over the world to clean up and protect the planet's coastlines and waterways. The International Coastal Cleanup began more than 35 years ago, when communities banded together to collect and document rubbish along their shoreline.

Last October 6, 2023, the Coastal Clean-up Activity take place in Brgy. Poblacion, Balete, Batangas with coordination with Municipal Environment and Natural Resources Office of Balete, Batangas. Some of Bureau of Fire Protection and Coast Guard of Balete also joined the Coastal Clean-up. The Activity was participated by the students and faculty of the University together with the Deans and Extension Coordinators of the colleges. The Activity served as the application of the previous seminar of Ms. Marivic Maramot.



Everyone gathered to collect garbage that was stuck and scattered in the shore. The Environmental Management Unit provided a data sheet for collection and recording of garbage. This initiative is the start of our commitment to a healthier and greener environment. Together let's make the environment heal.



Source: Environmental Management Units

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YOUTH EMPOWERMENT IN CLIMATE ACTION: CATALYST FOR CHANGE



Batangas State University–The National Engineering University positions itself as a leader in taking significant steps in addressing environmental challenges. Centered on the theme, "Planting Seeds of HOPE: Exploring the Ecological and Environmental Significance of Tree Planting" the university conducted green actions throughout the Earth month. This activity was spearheaded by the Office of Extension Services in partnerships with the different NGOs and LGU



Last September 22, 2023, the Extension Services Office conducted the tree planting activity at Brgy. Bagong Pook, Malvar. The barangay officials have already started identifying safety sites where the seedlings will be placed. This activity is not just a simple tree planting. Planting trees is very essential for the environment and these trees help mitigate the effects of climate change. Assoc. Prof. Glenda M. Dimaano, Head of Extension Services, gave her opening remarks on the topic entitled "Planting Seeds of HOPE: Exploring the Ecological and Environmental Significance of Tree Planting." Dr. Francisco V. Aguirre, Director, OSDP, the resource person for the lecture, raise awareness about climate change, as well as how to protect our planet and environment. Through the members of the Rotary Club of Malvar, 4PS members, PNP Malvar and the Brgy Captain headed by Hon. Lilibeth M. Lat, almost 100 Mahogany trees were planted last September 22, 2023 at the vicinity of the barangay hall, particularly around the river of Brgy. Bagong Pook, Malvar, the said area was pre-arranged by the Brgy. Captain.

Source: Environmental Management Units

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EARTH DAY 2023: "SUSTAINABILITY IN ACTION: SMALL ACTS MAKING BIG IMPACTS"



Earth Day 2023

This activity created awareness among stakeholders in the environmental impacts of their energy consumption. Ultimately, this activity aimed to construct behavioral change in the way we utilize our energy resources. Specifically, a university-wide tree planting activity based on the electricity consumption of each campus in the year 2022 were implemented in 2023 and an environmental-themed activity in partnership with student organizations promoting sustainable fashion were conducted.



Earth Day is an annual celebration that supports environmental protection. This celebration encourages every human being to be aware of the alarming changes in our environment and provide solutions or mitigations for these changes. Various local government units, non-governmental organizations, institutions, and others have undertaken various environmental initiatives. Since humans are the great contributor of pollutions and alterations in the ecosystem, it is the time to take time out to demonstrate our support for protecting the planet and its environment. In celebration of Earth Day 2023, the Environmental Management Unit conducted environmental activities that last for 5 days starting April 18-22, 2023.

Source: Environmental Management Units

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