



## DAGUPAN CITY ISLAND-BARANGAY FIRST TO RECEIVE UNSINKABLE PORTABOAT FROM DOST-1 CEST PROGRAM

The Department of Science and Technology Regional Office No. 1 (DOST-1), through the Provincial Science and Technology Office (PSTO) Pangasinan, awarded the first Unsinkable PortaBoat in the Region to Sitio Talaib, Calmay, Dagupan City residents on September 29, 2023 under the implementation of the Project NaKaSaGaNa "Naglilinang ng Kahandahan sa Sakuna Gamit ang Napapanahong Tecknolohiya" of the Community Empowerment thru Science and Technology (CEST) Program.

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## BAGONG PILIPINAS SERBISYO FAIR CELEBRATES EXCELLENCE: DOST ILOCOS NORTE HONORS INNOVATION

In a heartening display of dedication to education, innovation, and community service, the Department of Science and Technology (DOST) Ilocos Norte recently took center stage at the Bagong Pilipinas Serbisyo Fair on September 23-24, 2023.

The event, held at a bustling Centennial Arena in Ilocos Norte, served as a platform to celebrate the remarkable achievements of DOST Scholars, acknowledge the significant contributions of the PORTASOL initiative, unveil the Nutribun project's life-changing impact, and commend the resounding success of the SETUP (Small Enterprise Technology Upgrading Program) project.

During the opening and turnover ceremony, DOST Asec. Rodolfo Calzado, DOST1, OIC, Regional Director Dr. Teresita A. Tabaog, ARD for Field Operations Mr. Dechth1180 P. Libunao and DOST Ilocos Norte Provincial Director Engr. Benjamin S. Mercado, Jr. together with the Provincial Officials, Governor Matthew Marcos-Manotoc, Vice Governor Cecil Araneta Marcos, 1st District

Representative Ferdinand Alexander "Sandro" A. Marcos and 2nd District Representative Angelo Marcos-Barba awards PORTASOL, SETUP Project worth 2.9 Million, Nutribun and 14 Million worth of Scholarship to five (5) representative beneficiaries.

In addition to these remarkable services, DOST Ilocos Norte demonstrated its commitment to serving the community by providing free calibration services. Residents and business owners have the opportunity to avail of these services, ensuring the accuracy and reliability of their measurement instruments.

The Bagong Pilipinas Serbisyo Fair not only acknowledged DOST 1's contributions in the nation building, but also underscored the department's dedication alongside with other national agencies in fostering innovation, education, and community development. As the event concluded, attendees left with a sense of optimism and a renewed belief in the power of science and technology to shape a brighter future for the Philippines.



## DOST-1 THROUGH PSTO-ILOCOS SUR LAUNCHES 120-DAY FEEDING USING FNRI TECHNOLOGIES



The DOST Provincial Science and Technology Office – Ilocos Sur (PSTO-IS) and the Local Government Unit of San Emilio launched a 120-day Complementary Feeding program on September 5, 2023, using DOST FNRI-developed technologies to combat malnutrition. Forty-nine children and their guardians participated in the program, which aims to reduce malnutrition using DOST-FNRI complementary foods and the DOST PINOY strategy.

Engr. Jordan Abad stated, "The project aims to reduce malnourished children in communities using DOST-FNRI-developed complementary foods and the DOST PINOY strategy." MNAO Ms. Shammae Praise Vivit expressed gratitude for the CEST program, benefiting the entire municipality beyond the three priority barangays.

Guardians received orientation regarding the program's implementation, including feeding

schedules and complementary food intervals. During the event, DMMMSU distributed Ready-To-Eat Fish Products funded by DOST-PCAARRD. San Emilio Mayor Joey Warren A. Bragado emphasized the significance of the DOST partnership in providing services for health, disaster preparedness, education, and more.

The Feeding program, a part of the DOST PINOY strategy, includes learning and feeding components. The 120-day feeding will conclude on January 2, 2024. Complementary foods for different age categories include Rimo Blend Original, IFR, Rimo Blend Choco for ages 6-23 months, and Rimo Curls, Rimo Blend Original, Rimo Blend Choco, Nutty Fruity Bar, and IFR for ages 24-59 months.

Engr. Abad mentioned, "This strategy with DOST-developed complementary foods has shown significant results, with past implementations recording up to a 50% reduction in malnutrition."



The Unsinkable PortaBoat serves as an intervention designed to enhance disaster response capabilities, ensuring timely and efficient assistance to beneficiaries and fostering community resilience. Its purpose is to equip front liners with the necessary tools for disaster preparedness and emergency response procedures.

Mayor Belen T. Fernandez of Dagupan City expressed gratitude for being the first in Region 1 to utilize this 100% Filipino-invented unsinkable water rescue boat, highlighting it as one of the latest DOST technologies. She also emphasized the city's commitment to Climate Action under

the UN Sustainable Development Goals, aiming to bolster resilience and empower adaptive capacity to climate-related hazards and natural disasters in all communities.

Dr. Teresita A. Tabaog, the OIC-Regional Director of DOST 1, stated that the technology provided to Brgy. Calmay was identified as an intervention based on a community needs assessment.

Ronald Pagsanghan, the inventor of the unsinkable PortaBoat, explained that its unsinkable nature is due to buoyant materials and a robust fiberglass flexi-polymer composite, making it impact-resistant and able to stay afloat even when damaged.



HON. BELEN T. FERNANDEZ  
City Mayor, Dagupan City, Pangasinan



DR. TERESITA A. TABAOG  
OIC-Regional Director

The commitment of DOST to lead through science and technology is unwavering. All DOST programs, projects, and services are extended through the CEST Program across the Region, aiming to empower and assist underprivileged communities in improving their status and development through relevant science, technology, and innovation.



## DOST REGION 1 HOSTS 2023 REGIONAL INVENTION CONTEST AND EXHIBITS

The Department of Science and Technology Region 1 (DOST 1) in collaboration with DOST-Technology Application and Promotion Institute (TAPI) hosts the 2023 Regional Invention Contest and Exhibits in Northern Luzon on September 27-28, 2023, at J&V Hotel and Resort in the City of San Fernando, La Union. This remarkable event showcased the ingenuity, creativity, and innovation of inventors, researchers, and students from across the region.

The event kicked off with Opening Remarks from Mr. Jonathan M. Viernes, Provincial Director of the Provincial Science and Technology Office – La Union (PSTO-LU) and

Hon. Kyle Marie Eufrosito Y. Nisce, City Councilor of the City of San Fernando, La Union, setting the stage for an exciting celebration of groundbreaking inventions and creative research. Their words of encouragement and support echoed throughout the event, inspiring participants, and attendees alike.

Atty. Marion Ivy Decena, Director of DOST-TAPI and Mr. Justo H. Orros III, Executive Assistant of the Governor of La Union delivered inspirational messages that touched upon the significance of innovation and the impact it can have on society. Their impassioned words resonated with the participants, reinforcing the

importance of pushing boundaries and exploring new horizons in the world of science and technology.

The distinguished Board of Judges were composed of accomplished individuals from various sectors: Engr. Wilfredo Calaguan, Officer-in-Charge of IP Business Services and Development Division, IPOHL; Dir. Angel B. Encarnacion, Regional Director, Department of Agriculture – Bureau of Fisheries and Aquatic Resources Region 2; Mr. Cloyd C. Velasco of the Philippine Chamber of Commerce and Industry (PCCI) – Cagayan Valley; and Dr. Armando Q. Ganal, the former DOST 1 Regional Director.

# CONGRATULATIONS TO ALL THE WINNERS!

## UNLAD AWARD FOR OUTSTANDING UTILITY MODEL

- 1<sup>ST</sup> PRIZE** Process of Making Mung Bean with Mango Flavor
- 2<sup>ND</sup> PRIZE** Method of Making Bottled Milk-fish in Oil and Fermented Shrimp Sauce Packing Medium
- 3<sup>RD</sup> PRIZE** GIS-Based Decision Support Tool in Managing Urban Water Infrastructure with Stormwater Intervention for Smart Cities:

## BANGHAY AWARD FOR OUTSTANDING INDUSTRIAL DESIGN

- 1<sup>ST</sup> PRIZE** Microcontroller-Based Panel and Controlled Automated Soldering Station
- 2<sup>ND</sup> PRIZE** Car Air Conditioner Trainer Structural Support



## LIKHA AWARD FOR OUTSTANDING GOVERNMENT-FUNDED CREATIVE RESEARCH

- 1<sup>ST</sup> PRIZE** A Process of Producing Fermented Fish Powder and Flavored Using Spray Drying Method
- 2<sup>ND</sup> PRIZE** Handheld Copra Moisture Meter
- 3<sup>RD</sup> PRIZE** Development of Squash Pesto Sauce Utilizing Water Retort Machine

## LIKHA AWARD FOR OUTSTANDING PRIVATE-FUNDED CREATIVE RESEARCH

- 1<sup>ST</sup> PRIZE** TFlamethrower Device as an Insects, Pests, Diseases, and Weed Controller
- 2<sup>ND</sup> PRIZE** Black Diesel
- 3<sup>RD</sup> PRIZE** Session Groceries Mobile Application, Helping Local Farmers in Benguet



## SIBOL AWARD FOR OUTSTANDING COLLEGE STUDENT CREATIVE RESEARCH

- 1<sup>ST</sup> PRIZE** Development of Smart Garbage Bin Monitoring System for Burnham Park, Baguio City
- 2<sup>ND</sup> PRIZE** Eye-Read: Bionic Reading Chrome Extension
- 3<sup>RD</sup> PRIZE** Design and Fabrication of a Mobile Hybrid Power Supply

## SIBOL AWARD FOR OUTSTANDING HIGH SCHOOL STUDENT CREATIVE RESEARCH

- 1<sup>ST</sup> PRIZE** Smart Helmet: The Head Covering Emergency Alarm System, Life Saver, and Monitoring Device
- 2<sup>ND</sup> PRIZE** Clioplastics: Clamshell-Based Bioplastics



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