



## DOST 1 inks MOU on OneASIN

The Department of Science and Technology Region 1 (DOST 1), led by its Officer-in-Charge - Regional Director, Dr. Teresita A. Tabaog, recently inked with the Bureau of Fisheries and Aquatic Resources Region 1 (BFAR 1), DOST Industrial Technology Development Institute (DOST-ITDI), and Don Mariano Marcos Memorial State University (DMMMSU) a Memorandum of Understanding on One Accelerating Salt Innovations in the North (OneASIN) on March 3, 2023, at the Regional Freshwater Aquaculture Technology Demonstration Center (RFATDeC)-Paoay, Ilocos Norte. [read more in page 3...](#)

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## DOST 1 JOINS THE INTERNATIONAL SMART CITY EXPOSITION AND NETWORKING ENGAGEMENT 2023 (iSCENE 2023)



DOST 1 joins the International Smart City Exposition and Networking Engagement 2023 (iSCENE 2023), with the theme "Building Smart and Sustainable Cities and Communities in the Philippines", in Cauayan City, Isabela last March 23-25, 2023.

iSCENE 2023 is the first international Smart City Exhibition to be organized in the Philippines with the aim to serve as a platform to bring local chief executives, government leaders, industries and business players together for knowledge-sharing, connection and network-building for the promotion and implementation of innovative solutions that would be instrumental for the creation of smarter and sustainable communities in the country.

In attendance from DOST 1 are OIC-RD Teresita A. Tabaog, OIC-ARD for Field Operations Adelisa C. Florendo, PSTO- Provincial Directors Benjamin S. Mercado, Jordan L. Abad, Jonathan M. Viernes, Arnold C. Santos, ITSMU Head Michael John C. Maquiling, RDILPMC Head Annalie L. Rosales and Administrative Assistant III Carla Joyce B. Cajala.

The three-day event will stage Smarter Technologies Exhibition, Business Matching, Leaders' Forum, Speakers' Session among others.

## 4,066 GRADE 12 STUDENTS TAKES THE 2023 DOST-SEI UNDERGRADUATE SCHOLARSHIP QUALIFYING EXAMINATION

In region 1, 4,066 grade 12 students took the qualifying examinations for the 2023 DOST-SEI Undergraduate Scholarships held last March 18-19, 2023, at nine (9) Testing Centers spread across the four (4) provinces of the region. This is the end of the campaign for the said scholarship which ran its application period from September 19, 2022, to December 16, 2022.

The scholarship was opened to qualified graduating senior high school students and those who have graduated earlier but have not taken any post-secondary units.

The scholarship benefits include tuition fees and other school fees subsidies, monthly stipends, learning material and/or connectivity allowance, uniform allowance, transportation allowance, thesis allowance, and graduation allowance. It also includes non-monetary benefits under the Science and Technology Learning Assistance Program.

These science and technology scholars will eventually join the S&T workforce of the country as scientists, engineers, technologists, science and mathematics teachers, researchers, and innovators.





## DOST 1 INKS MOU ON ONEASIN

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"OneASIN" is a framework conceptualized by Dr. Tabaog in accelerating salt innovations in Region 1, particularly in Ilocos Norte via DOST-assisted technologies through the DOST-ITDI and the DMMSMU. The current salt technologies of DMMSMU are under the Collaborative Research and Development to Leverage Philippine Economy (CRADLE) project funded by the Philippine Council for Industry, Energy and Emerging Technology Research and Development (PCIEERD) of DOST and DOST 1.

Meanwhile, BFAR 1 is the lead partner in adapting and commercializing locally developed salt production technologies under its Oplan Asin, where 43 salt production facilities were already fabricated by BFAR 1 using DOST-ITDI technologies on salt iodization.

DOST-ITDI has already started technical training for various salt producers in Ilocos Norte. It will soon be conducted too in Ilocos Sur, La Union, and Pangasinan provinces.

With DOST's mandate to provide central direction, leadership, and coordination of scientific and technological efforts in the country and ensure that the results therefrom are geared and utilized in areas of maximum economic and social benefits for the people, Dr. Tabaog further explained that OneASIN, as an S&T development approach can be used by BFAR 1 as a best practice in the implementation of Oplan Asin in Region 1.

Further, she said that the framework should be expanded to include other players. Hence, the collaboration will not only be limited to technologies related to salt production but to other areas like organization and management, marketing, and monitoring and evaluation to ensure project sustainability.

Gov. Matthew Marcos Manotoc of Ilocos Norte, Ilocos Norte 2nd District Rep. Angelo Marcos Barba, and Ilocos Norte 1st District Rep Sandro Marcos through Mr. Edwin Carino all supported the ASIN initiatives of DOST, BFAR, and DMMSU in the Ilocandia.



## DOST 1 PARTICIPATES IN THE 2023 RXBOX SUMMIT

Bohol, Philippines - The Department of Science and Technology Regional Office 1 (DOST 1) attends the 2023 RxBox Summit on March 2, 2023, in Metrocentre Hotel and Convention Center, Tagbilaran, Bohol. In attendance are Ms. Adelisa C. Florendo, OIC – Assistant Regional Director for Field Operations, Ms. Annalie L. Rosales, Head of RDILPMC, DOST 1 RxBox Regional Management Team members Mr. Michael John C. Maquiling, RxBox Regional Coordinator, Ms. Gael Myca A. Dacanay, RxBox Regional Training Coordinator, and Ms. Carla Joyce B. Cajala, Administrative Assistant III and former RxBox Project Assistant.

The summit gathered health experts and industry leaders in the presence of Dr. Renato U. Solidum Jr., Secretary – Department of Science and Technology (DOST); Engr. Sancho A Mabborang, Undersecretary for Regional Operations - DOST; Dr. Leah J. Buendia, Undersecretary for Research and Development - DOST; Dr. Jaime C. Montoya, Executive Director – DOST – Philippine Council for Health Research and Development (PCHRD); Dr. Portia Grace Fernandez-Marcelo, Primary Investigator for RxBox Research Program, University of the Philippines (UP) College of Medicine; Dr. Geohari L. Hamoy – UP Surgical Innovation & Biotechnology Laboratory (SIBOL); Engr. Jake F. Ballares, Senior Manager and Development Head - IONICS EMS, Inc.; representatives from the Department of Health – Knowledge Management and Information Technology Services (DOH KMTS), Regional Directors, and other officials from the different DOST Regional Offices.



## DOST 1 CAPACITATES 6 LGUS IN WASTE ANALYSIS AND CHARACTERIZATION

The Department of Science and Technology Regional Office 1 (DOST 1) through its Provincial Science and Technology Office (PSTO) Pangasinan, in collaboration with the DOST-Industrial Technology Development Institute (DOST-ITDI), conducted a two-day Waste Analysis and Characterization Study (WACS) Training-Workshop to six (6) Local Government Units (LGUs) in Region 1 on March 28-29, 2023 at Dagupan City E-Library, Dagupan City.

A total of six (6) LGUs attended the training namely Dagupan City, Laoac, Dasol, Mapandan, Urdeneta City, and Rosario, La Union. The training capacitated the participants on WACS, its functions, and relevance in formulating strategies, programs, projects, and activities that could improve each LGUs solid waste management.

DOST-ITDI's waste management experts Dr. Myra Tansengco, Engr. David Herrera, Ms. Ma. Theresa Arthuz and Engr. Joven Barcelo served as the resource speakers of the training. The participants gained expertise and understanding in R.A. 9003, Basic WACS & procedures, health and safety guidelines in conducting WACS, preparation of worksheets for non-households and households, and WACS plan. The primary function of WACS, according to ITDI experts, is to provide baseline data for LGU monitoring and performance evaluation of solid waste management plans and activities. Hence, WACS data can be utilized to identify relevant programs and strategies for LGUs' specific needs.



## DOST 1 INSTALLS EARLY WARNING SYSTEM IN BAUTISTA, PANGASINAN

The Department of Science and Technology Regional Office 1 (DOST1) through the Provincial Science and Technology Office (PSTO) - Pangasinan installed a rainfall and water level monitoring system in Brgy. Diaz-Vacante channel spillway in the municipality of Bautista, Pangasinan.

Since the municipality is a flood-prone area, the Rainfall and Water Level Monitoring System was one of the identified technology interventions under the Disaster and Risk Reduction/Climate Change Mitigation entry point of the Community Empowerment thru the Science and Technology (CEST) program.

Rainfall monitoring systems capture rainfall data that measure the amount of rainfall, while water level monitoring systems use sensors to measure the height of water in rivers, lakes, and other bodies of water that measure the water level. These devices transmit the collected data to a central server for processing and analysis. The processed data is then made available to water resource managers and other stakeholders via web-based interfaces. It will also send a Short Message Service (SMS) message to the registered sim.

The installation was made possible through the collaboration of the Municipality of Bautista through the support of Hon. Mayor Joseph G. Espino, Mr. Aries B. Aquino, Local Disaster Risk Reduction Management Officer II (LDRRMO II) of MDRRMO, Engr. Arnison Diaz & Mr. Noel Fernandez of Engineering Department, Brgy. Captain of Diaz, Hon. Juanito Dacanay and his constituents, and the Central Pangasinan Electric Cooperative Inc. (CENPELCO) headed by Mr. Arturo Aquino, Supervisor, provided the concrete post and the placement of the equipment.



## DOST 1 DEPLOYS STARBOOKS IN THE IP COMMUNITY OF ADAMS IN ILOCOS NORTE

The Department of Science and Technology (DOST) through its Provincial Science and Technology Office-Ilocos Norte (PSTO-IN) deploys STARBOOKS computers to schools in the Community Empowerment through Science and Technology (CEST) community of Adams, Ilocos Norte. The Municipality of Adams is one of the Indigenous People (IP) Communities in the Province of Ilocos Norte and the 2022 CEST program beneficiary. The four (4) units of STARBOOKS computers were deployed to Adams National High School, Adams Central Elementary School, Malaggao Primary School, and Bucarot Primary School.

The DOST-1 also conducted an orientation on the operation of STARBOOKS to School Heads, Teachers, and Information Technicians (IT) of the schools. Also, a Memorandum of Understanding (MoU) signing was initiated to strengthen the partnership in the utilization of STARBOOKS.

Mr. Eduardo Galla, Head Teacher III, and Ms. Nobleza Hidalgo, School Principal I, expressed their gratitude to DOST for providing their schools with such interventions.

STARBOOKS is accessible to students and researchers in different regions of the Philippines. The STARBOOKS can be accessed in public schools, universities, and other institutions, and users can access the resources for free. Users can search for specific information using keywords or browse the search engine within various categories to find the data needed.

Overall, STARBOOKS plays an important role in providing access to scientific and technological information to the Filipino community, especially those in remote areas where access to traditional libraries and resources is limited.



## DOST 1, ITDI HOLD WEBINAR ON #PACKITGREEN: GREEN PACKAGING FOR SUSTAINABLE FUTURE

As part of the celebration of the National Women's Month, the Department of Science and Technology Region 1 (DOST1), through the Provincial Science and Technology Office – Ilocos Sur (PSTO-IS), in partnership with the DOST - Industrial Technology Development Institute (DOST-ITDI) conducted a webinar titled #PACTitGREEN: Green Packaging for Sustainable Future to Micro, Small, and Medium Enterprises (MSMEs) via ZOOM platform on March 16, 2023.

This activity aims to promote the packaging assistance and technologies of the DOST-ITDI to the MSMEs and other interested parties or individuals. Also, to inform them on the packaging and labeling trends that they could adopt to improve their products and businesses to compete in the market.

Four experts were tapped as resource speakers during the webinar. Mr. Darylle Jerome I. Ortiz, Science Research Analyst from the Packaging Technology Division of DOST-ITDI delivered a talk on the Introduction to Packaging. Engr. Ericson T. Nolasco, Senior Science Research Specialist elaborated the Distribution Packaging for Export, Mr. Elyson Keith P. Encarnacion, Supervising Science Research Specialist, presented the current and future research on packaging technology, and Ms. Mary Joy P. Paico discussed various initiatives of the Packaging Technology Division of the DOST-ITDI on Sustainable Packaging and its services.



The Department of Science and Technology  
Regional Office 1  
joins the nation in celebrating the

## 2023 NATIONAL WOMEN'S MONTH

March 1 - 31, 2023

In support of:



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### DOST - 1 KICKS OFF WOMEN'S MONTH CELEBRATION

The Department of Science and Technology Region 1 (DOST 1) participated in the kick-off activity of the 2023 National Women's Month Celebration (NWMC) in coordination with Region 1 Advocates for Gender Equality (RAGE-1) on March 8, 2023, in Don Mariano Marcos Memorial State University – Mid La Union Campus (DMMMSU-MLUC).

The activity started with a "Walk for GAD" activity which was well-attended by the members of RAGE-1. All participants gathered together including the DOST-1 GAD Focal Point System (GFPS) members, Samahan para sa Ika-uunlad ng Kawani ng Agham at Teknolohiya (SIKAT) members and Men Opposed to Violence against women Everywhere

(MOVE) – DOST1 Chapter members. The activity began from the City Plaza of San Fernando to DMMMSU-MLUC at around 6:00 AM.

The highlight of the event was the program proper, which featured a message from the representative of Hon. Raphaelle Veronica-Ortega-David, Governor of the Province of La Union, Hon. Maria Rosario Eufrosina P. Nisce. Hon. Nisce said that once you espouse the cause of the marginalized, once it is the lens you use in planning as well as in budgeting, therefore eventually in implementation, "ANG PERFECT PO! Inclusive Society po tayo agad".

"The event provided an opportunity for participants to network, share

their experiences, and discuss best practices for promoting gender equality in their communities.

DOST 1 remains steadfast in its commitment to promote gender equality, respect for diversity, and the elimination of gender-based violence and continue to work towards creating a society that values diversity and recognizes the contributions of every individual, regardless of their gender.

The Provincial Offices of DOST 1 in Ilocos Norte, Ilocos Sur, La Union and Pangasinan also conducted different activities such as free calibration services, current Good Manufacturing Practices (cGMP) Awareness Seminar, Livelihood Trainings, Seminar on Eco and Green Packaging Technologies and many more.



# TEKNO PRESYENSYA: WOMEN IN LEADERSHIP

In line with the celebration of the 2023 National Women's Month, DOST 1's weekly radio program titled Tekno Presyensya: Syensya ken Teknolohiya para Kadagiti Umili in partnership with DZAG Radyo Pilipinas Agoo focused on the topics that featured Women in Leadership.

Dr. Ronnalee N. Ortega, the Campus Director of the Philippine Science High School - Ilocos Region (PSHS-IRC), was featured in the fourth episode of the show. Dr. Ortega discussed her ideas and perceptions on promoting gender equality in science education.

The fifth episode featured the R.A. 9729, or the Climate Change Act, which stressed the appointment of at least one female commissioner, was discussed by Atty. Rachel Anne S. Herrera, Commissioner of the Climate Change Commission (CCC). She made a point of highlighting the importance of female perspectives on climate change and its effects on both men and women.

For the sixth episode titled ICT for ALL, Role of ICT on Gender Equality & Inclusive Society, Mr. Michael John C. Maquiling, Science Research Specialist II and the head of the Information Technology and Services Management Unit of DOST 1 imparted the significance of Information and Communications Technology (ICT) in promoting gender equality which is also in line with the theme "International Women's Day 2023: DigitALL: Innovation and technology for gender equality". He presented the ICT's scope with the technological tools and resources that are used to create, distribute, store, and manage information.

Dr. Diana L. Ignacio, DOST Assistant Secretary for Administrative and Legal Affairs and DOST GAD (Gender and Development) - Wide Focal Person, also served as a Guest in the program. ASec Ignacio greeted everyone with a very Happy Women's Month and was very happy to note the DOST-1's month-long celebration of Women's month.



## OTHER ACTIVITIES CONDUCTED DURING THE 2023 NATIONAL WOMEN'S MONTH CELEBRATION



DOST 1 conducts Gender Analysis (GA) Training and Overview of GA Tools



DOST-1 holds a Livelihood Training for Persons with Disabilities (PWD)



DOST-1 conducts SOGIESC webinar for DOST-1 Ongoing Scholars



DOST-1 Conducts Orientation on PCW MC No. 2011-01 and GFPS Functionality Assessment Tool



CY 2023 First Quarter Meeting for the Regional Inter-Agency Committee Against Trafficking Child Pornography Violence Against Women and their Children (RIACAT-CP-VAWC)



DOST 1 concludes 2023 Women's Month Celebration



DEPARTMENT OF SCIENCE  
AND TECHNOLOGY  
Regional Office No. 1

in support of:

Philippine  
Commission  
on Women



# AMMOM KADI?

(did you know?)

Nga ti OIC-Regional Director ken  
amin nga Assistant Regional Directors  
iti Department of Science and Technology 1  
ket idadauluan amin iti **babbai**

(that the OIC-Regional Director and all Assistant Regional  
Directors of the DOST 1 are all headed by women)



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2023 NATIONAL WOMEN'S MONTH

DOSTOne Siglat

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