



## **BUDGETARY THRUSTS, PRIORITIES AND STRATEGIES FOR FY 2024**

The Department of Science and Technology (DOST) is the primary science and technology body in the country, charged with pursuing the state policy of supporting local efforts in science, technology, and research and development. It has 18 attached agencies, 16 regional offices and 80 provincial offices, and produced more than 1,121 locally developed technologies. Yet, seven years ago, it was also the government's best kept secret.

As the promotion and marketing arm of the DOST, the Science and Technology Information Institute had to step up its game for the past seven years, which is why it is said that "resilience" is the word of 2022. Indeed, the institute was able to withstand and recover from the difficulties brought by the pandemic by being driven despite disruptions, which resonates to the institute's performance in the quarterly physical report of operation with 329% increase in the number of promotion services and advocacy activities conducted; and 63% increase in the number of STARBOOKS sites installed in 2022 which has been below the target for the past two years due to the pandemic.

Moreso, two major programs of the institute namely, STARBOOKS and DOSTv, are again included in the National Priority Plan of the National Economic and Development Authority for 7 years and 6 years garnering 13M and 7.5M worth of donations/sponsorship, respectively. Both programs continue to win many awards and accolades here and abroad. Proudly, STARBOOKS was given the highest merit for a government program as a National Winner of the 2022 Presidential Lingkod Bayan Award Group Category in the Search for Outstanding Government Workers of the Civil Service Commission, recognizing its role in promoting and disseminating Science, Technology and Innovation (STI) information to promote scientific literacy to make a positive impact on the lives of our fellow Filipinos.

The institute also topped all DOST agencies in internal control systems for financial management assessed by the Internal Audit Service, ranked #3 in gender mainstreaming, attained level 2 in the PRIME HRM program of the Civil Service Commission and among the only 37 government agencies being groomed for level 3 and an outstanding financial performance metrics of 98% in obligation rate and 97% in disbursement rate for 2022.

The institute now leads the charge in social media with more than 30 million engagement per annum, media coverage valued at ---21 billion pesos at the end of 2022.

The DOST Science Communication Agenda and Science Communication Framework were also formulated to guide the way forward for all the attached agencies and regional offices of the Department. We pivoted, performed, and excelled during the pandemic, driven despite disruptions, always championing innovation in the face of acute resource constraints. As a result, the national awareness level about science, technology and innovation information has unbelievably grown from 6% in 2017 to 47% in 2022.



For 2023 - 2024, we will continue communicating science for the people guided by the following outcomes to be pursued to address the challenges enumerated in Chapter 8: Advance Research and Development, Technology, and Innovation of NEDAs Philippine Development Plan 2023-2028:

*(a) Basic R&D and knowledge creation strengthened*

- Nurture a supportive environment for R&D

*(b) Market-driven and customer-centered research and development advanced*

- Provide analytics on markets and customers
- Integrate creative arts and social sciences with science and technology

*(c) Technology extension, adoption, utilization, and commercialization scaled-up*

- Accelerate commercialization of market-oriented and inclusive STI products  
Provide funding for the diffusion (i.e., extension and promotion) and commercialization of products of both publicly and privately funded STI products.
- Provide support and incentives for IP management  
Accelerate programs to increase awareness among policymakers, private sector, university researchers, and the general public of the value and contribution of innovation and IP to economic and social development.
- Intensify the technology transfer, extension, and commercialization of publicly funded technologies  
Provide public research institutions and state universities and colleges with platforms, including avenues to pitch their R&D products and technology developed, to successfully commercialize their technologies. Programs will also be implemented which involve private sector participation through the promotion, utilization, and commercialization of investments in these products.

*(d) Innovation and entrepreneurship accelerated*

Moreover, contribute to NEDAs budget priorities framework, specifically:

*2.1 Infrastructure Development*

*2.2 Human Capital Development*

*2.2.2 Education*

*2.5 Research and Development (R&D), and Innovation*

*2.6 Digital Transformation of the Government*

*2.7 Accelerate Climate Action and Strengthen Disaster Resilience*



**Key Strategies (not considered in the NEP 2024):**

1. Improvement of DOST-STII Grounds (5.1M). This project generally aims to enhance the appeal of the area to encourage the public to visit the library and other services provided by the agency. Aside from the aesthetics, this includes environmental benefits by incorporating the planting of trees and other vegetation, which can help mitigate the urban heat island effect, reduce noise pollution, and provide habitat for wildlife, contributing to overall environmental sustainability. This also includes features that enhance safety and functionality, such as well-lit pathways, better drainage systems, and improved access for people with disabilities. These elements contribute to a more user-friendly and inclusive environment.
2. A Baseline Study on STARBOOKS Relevance and Effectiveness to the Stakeholders (3.009M). This project's primary objective is to perform a baseline evaluation of STARBOOKS based on its relevance and effectiveness in fulfilling its intended goals.
3. Sustaining Intensified Strategic Science Communications in the now normal (28.176M). The purpose of the Intensified Strategic Science Communications through Enhanced Digital Media & Communications Infrastructure Program is to address the strategic communications component of Chapters 12 (building a safe, resilient, and sustainable communities) & 14 (vigorously advancing science, technology, and innovation) of the updated PDP 2017-2022.

Moreover, the four (4) component projects under the program address fundamental gaps to ensure that the above-mentioned purpose of the program is attained. Individually, each component project has the following purposes:

**Component 1: Transforming DOST-STII's Publications to Digital Platform**

Component Project 1 will transform DOST-STII's periodic publications into digital platforms to ensure efficient and wide distribution of DRR-CC and science information to the people. The project will:

- a. develop at least three (3) digital platforms for DOST-STII's publications that will be accessible to the public; and
- b. double the reach (100% growth) versus the reach of current traditional printed publications.

**Component 2: Upgrading DOST-STII's Audio-Visual Production Capability for Digital Media & Communications**

Component Project 2 will enhance DOST-STII's capacity and capability to produce AV materials that are appropriate for digital platforms. The project will:

- a. Acquire the necessary equipment to /high-quality AV materials for digital platforms;
- b. Create a digital archiving infrastructure to store digital assets produced; and
- c. Create a digital library/platform that will enable access of targeted stakeholders to digital media assets produced by DOST-STII.



### Component 3: Enhancing the Capability of Science Communicators for Digital Media & Communications

Component Project 3 will enhance the capability of DOST-STII's network of science communicators (internal and external) to be able to effectively deliver DRR-CC and science communication through digital media. The project will:

- a. provide at least ten (10) capacity building and/or networking activities for the network of science communicators (internal and external) composed of DOST science communicators, mainstream media practitioners, and students (high school and college); and
- b. establish a recognition program to appreciate and acknowledge the contribution of the network of science communicators in delivering critical DRR-CC and science information to the public.

### Component 4: Third-party Survey and Media Monitoring to Calibrate Effective Digital Communications Approaches

Component Project 4 will establish a feedback mechanism to determine the effectiveness of digital media approaches. The project will:

- a. Conduct a third-party survey that will gather information on the public's awareness of key DRR-CC and science issues. This will become part of the program's monitoring and evaluation framework; and
- b. Enlist a third-party media monitoring services to gather information on "public's pulse" regarding news on science and DRR-CC

### Component 5: NSTW

The proposal seeks to provide support to the general publicity and promotions initiatives of the various activities related to the 2024 NSTW celebration and other science, technology, and innovation (STI) advocacies using the most applicable and effective digital platforms.

4. Competency-Based Performance Management System (1.650M). The objective of the project is to integrate the enhanced DOST-STII Competency Framework to the existing DOST-STII Strategic Performance Management System.

The project will cover the organizational, leadership, core, and technical/functional competencies of the following delivery units:

1. Communication Resources and Production Division
2. Information Resources and Analysis Division
3. Finance and Administrative Division
4. Office of the Director and Management Information System and Planning Section



5. Expanding operation of DOSTv broadcast platforms to promote a culture of science (45.251M). The goal is to cascade DOST's programs, knowledge products, and services for the benefit of the people, thereby increasing the visibility of science, technology, and innovation information to the public through a series of media exposures on various platforms.

To acquire presence simultaneously in various mass media platforms equates to intensive production work, hence, the need to continually hire dedicated staff and acquire support from creative suppliers to sustain production of broadcast materials ready for airing on TV, radio, and online.

Moreover, venturing into out-of-home advertising campaign could boost awareness in DOST programs and services. OOH Advertising is dependent on traffic count or vehicle count wherein the infrastructure is built to reach its intended audience. In a country that deals with high-traffic vehicles, OOH Advertising thrives in the Philippines.

Based on the Traffic Engineering Center of the Metropolitan Manila Development Authority (MMDA) the latest vehicle volume count traversing EDSA per day is approximately 387,000 vehicles as of August 4, 2022. It is expected to reach at least 436,000, higher than the pre-pandemic level.

The billboard clips for example, which will run in loop for about 10-seconds per material for LED billboards, will keep people's minds off an otherwise frustrating traffic situation and present an engaging form of learning experience that will minimize road rage or public discontent and dissatisfaction over government services.

6. Information Systems Strategic Plan 2024 (28.732M). To provide solutions to Strategic concerns for ICT use.

#### General Management and Supervision:

- Data processing is manual, making it more difficult and slower to retrieve necessary reports.
- Slow tracing of records
- High availability of systems and services
- Availability of files and records during downtimes
- Manual Processing of applications
- Manual performance monitoring
- Employee performance intervention

#### Operation of Science and Technology Center for Information Services:

- Slow documentation of information process
- No updated listing of Library Loans
- Long queue on card catalogs
- Inaccessibility of library holdings listing
- No conformity/lack of strict implementation of US MARC and RDA standards
- No records to monitor users' usage to identify their needs that are essential in purchasing & acquiring materials
- Lack of data in identifying and measuring the effectiveness of the training/orientation



Enhancement of DOSTV Broadcast capability through the upgrading of the Secondary Studio:

- Expensive materials used for Photo/Audio/Video reproduction
- Unavailability of equipment to produce broadcast quality materials
- Lack of facility for in-house video production
- Limited accessing to broadcast facility
- Lack of contingency for broadcast production

Establishment of DOST wide Knowledge Management System:

- No central repository for S&T Information
- Slow retrieval of information
- Researchers get lost in multiple websites

Rehabilitation & Upgrading of Existing Fiber Optic Cable:

- Risk of downtime for online services
- Risk of unproductiveness from losing connectivity
- Slow retrieval of information
- Slow response to service request

7. Other PS and MOOE Items not considered in Tier 1 (39.671M). This proposal listed the items not considered in Tier 1 as well as Tier 2 compositions as provided in NBM No. 145 for further evaluation/reconsideration in the recommended FY 2024 Budget of DOST-STII.



### GENERAL MANAGEMENT AND SUPERVISION (GMS)

- Financial Management Services
- Human Resources Management and Development
- Records Management
- General Services and Property Management
- Programs/Projects Planning, Monitoring and Evaluation
- Information Systems Strategic Plan

(In Thousand Pesos)

PS	MOOE	CO	TOTAL
27,215	10,543	-	37,758

### LOCALLY FUNDED PROJECTS

- PIP/TRIP Projects
  - Conversion of DOST-STII Atrium as Library makerspace and basement for office space
  - Improvement of DOST-STII Grounds and Facilities - Back-up Power Supply System, ICT Back-up Facility, Property Storage Facility (*Improvement of DOST-STII Grounds not considered in the NEP 2024*)

(In Thousand Pesos)

PS	MOOE	CO	TOTAL
-	-	12,890	12,890

### PROGRAM: SCIENCE AND TECHNOLOGY INFORMATION PROGRAM

#### SUB-PROGRAM 1: OPERATION OF SCIENCE AND TECHNOLOGY CENTER FOR INFORMATION SERVICES

- SCINET-PHIL (S&T Information Network of the Philippines)
- Information processing, handling, and services
- IT support (Under Office of the Director)
- Library services
- Tier 2 - A Baseline Study on STARBOOKS Relevance and Effectiveness to the Stakeholders (*not considered in the NEP 2024*)

(In Thousand Pesos)

PS	MOOE	CO	TOTAL
12,610	17,263	-	29,873



**SUB-PROGRAM 2: SCIENCE AND TECHNOLOGY PROMOTION AND ADVOCACY SERVICES**

- Promotions and publicity
- Public awareness
- Juan Time Campaign
- Maximizing Social Media for S&T Information Promotion
- Media Monitoring
- Tier 2 - Sustaining Intensified Strategic Science Communications in the now normal (*not considered in the NEP 2024*)
  - Sustaining DOST-STII's Publications to Thrive in the Digital World
  - Strengthening DOST-STII's Digital Audio-Visual Capability and Visual Presence
  - Empowering Science Communicators to Become Science Champions
  - Media Study on Effective Science Communication in the Now Normal
  - National Science and Technology Week Celebration

(In Thousand Pesos)

PS	MOOE	CO	TOTAL
11,322	7,445	-	18,767

**SUB-PROGRAM 3: OPERATION AND BROADCAST OF DOST SCIENCE AND TECHNOLOGY CHANNEL "DOSTv"**

- Operation of DOSTv Broadcast Program
- Weather Updates/ Hydro metrology updates
- Tier 2 - Expanding operation of DOSTv broadcast platforms to promote a culture of science (*not considered in the NEP 2024*)

(In Thousand Pesos)

PS	MOOE	CO	TOTAL
-	19,376	-	19,376