



# EMBRACING *Change*



**2016**

PERFORMANCE REPORT  
SCIENCE AND TECHNOLOGY INFORMATION INSTITUTE

## ABOUT THE COVER

### Embracing change

Change is the only thing constant in this world, and we have to be always ready for it. Our principle is to keep adapting because it is both a survival skill and a success skill. Yes, there are times we fail too, but the secret is to fail correctly. After great big changes, our wings are opened. We need to embrace change to keep up, to move forward, and to lead.

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# STII IN 2016: AN OVERVIEW

## Science and Technology Information Reference Services



**935,750**  
ONLINE USERS

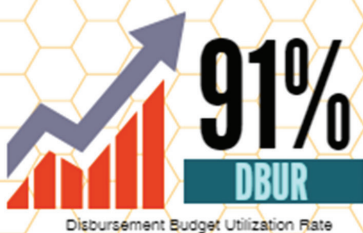


**2,036**  
WALK-IN USERS

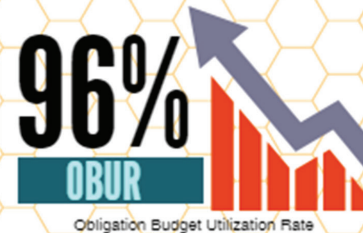


## Science and Technology Promotion Services

**1,408**  
Promotional  
Services Rendered



## Financial & Administrative





OUR PHYSICAL  
ACCOMPLISHMENTS FOR 2016

MFO: Science and Technology  
Information Services



### PI SET 1: Science and Technology Information Reference Services

1

#### QUANTITY

Number of clients served



287,808



943,471

#### QUALITY

Percentage of clients who rated the  
services as satisfactory or better



90%



100%

#### TIMELINESS

Percentage of inquiries where reference  
materials were provided within 5 minutes



90%



100%

### PI Set 2: Science and Technology Promotion Services

2

#### QUANTITY

Number of promotional  
services rendered



562



1,408

#### QUALITY

Percentage of clients who rated the  
services as satisfactory or better



90%



90%

#### TIMELINESS

Percentage of services  
rendered monthly



90%



225%



## Philosophy

STII's philosophy is rooted in its development mission to achieve and maintain S&T information excellence and deliver effective and efficient service in an environment where information at the moment of value is key to competitiveness.

STII promotes the widespread use of and appreciation for S&T information. Through its continuing resource sharing activities, S&T popularization services, and IT-based solutions, STII makes S&T information more accessible and valuable to all Filipinos.

Its people are the Institute's most important resource. Librarians, writers, information analysts and communication specialists double up as information brokers, publicists, advertising executives and image builders for DOST and STII. With the advances in ICT, and the increasing demand for S&T information, STII must keep pace by employing and training communication and information professionals who can meet the standards of competent service.

## Mandate

- establish a science and technology databank and library;
- disseminate science and technology information; and
- undertake training on science and technology information.

These mandates on which the existence of the Institute is anchored appear simple, but crucial. Building the S&T information reservoir; promoting and propagating information; and strengthening our human resource infrastructure through training and other learning approaches are elements that never ceased to be a challenge for STII.

## Mission

- To make timely, relevant, and quality S&T information accessible through resource-sharing, networking, broader and faster delivery systems;
- To keep the various stakeholders updated on local and international S&T developments;
- To promote public awareness, understanding, and appreciation for S&T and its role in national development.

## Vision

A globally recognized center for S&T information dedicated to the empowerment of the nation's key sectors that contribute to the improvement of Philippine society.

# SCIENCE FOR THE PEOPLE

I wish to express my sincerest greetings to the Science and Technology Information Institute (DOST-STII) as it recounts the Institute's accomplishments in its 2016 Performance Report.

In a year marked by political change, it is noteworthy how the Institute, in my first six months at the helm, was able to continually push the good news about the Department of Science and Technology and its impact in making the lives of fellow Filipinos more exciting and productive through your initiatives in traditional and nontraditional media platforms.

STII has continually broken new ground in engaging our public and stakeholders on the development of science and technology in the country. In 2016, STII contributed in organizing and ensuring the smooth conduct of major DOST events such as the simultaneous holding of the National Science and Technology Week throughout the science communities in the regions in the country, as well as the Technology Transfer Fairs and the Science Nation Tour.

I commend the STII and its hardworking men and women in contributing to the overall effort in realizing our goal of "Science For The People". May the Institute remain steadfast in its commitment to promote the greater use of and appreciation of S&T information to help improve the lives of the Filipino people for years to come.

*Maraming salamat at mabuhay ang STII!*

  
FORTUNATO T. DE LA PEÑA





# S&T INFORMATION AND COMMUNICATION VENTURES

.....  
*STII plowed through the waters with all hands on deck. In the fulfillment of its organizational mandates, STII invested deeply on its core of S&T information and communication specialists to ensure that our mandates and organizational thrusts are made known to constituents throughout the archipelago.*  
.....

It is with great honor that I present the 2016 Performance Report of the Science and Technology Information Institute.

The year 2016 was a period of transition not only in STII but throughout the entire Philippines. When I assumed the helm at the Institute, we were marking not only the tailend of the administration of DOST Secretary Mario G. Montejo but also of President Benigno Simeon Aquino III. In essence, the challenge thrust upon me was to steer the ship through the challenges and opportunities from the incumbent dispensation to the succeeding.

STII plowed through the waters with all hands on deck. In the fulfillment of its organizational mandates, STII invested deeply on its core of S&T information and communication specialists to ensure that our mandates and organizational thrusts are made known to constituents throughout the archipelago.

In late May, STII launched DOSTv, the official multiplatform channel for weather and S&T news of the Department. DOSTv now broadcasts at 11-12 am real-time news segments on weather information, DOST public service and updates, local science-related feature news segments, and other related news to boost and widen its reach in disseminating relevant and timely weather-related information.

In September, we inaugurated the 1000th STARBOOKS site at Dayap National High School in Calauan City, Laguna. The first S&T library in a box, STARBOOKS or the Science and Technology Academic and Research Based Openly-Operated Kiosk Station has grown in stature as a potent tool for narrowing the knowledge and learning gaps of students whose schools have scant economic resources and no Internet access. It has proven effective in making science and technology materials available to the general public in remote areas that have few information options and ill-equipped libraries.

We made headways in consolidating our science media footholds by initiating training opportunities in strategic social media engagement in June with immediate impact in alignment of all DOST websites.

We worked for and achieved a 60% increase in our 2017 GAA budget.

With the DOST Mediacore, we pushed for and

achieved DOST HRDP funding to support scholarship grants for 16 information offices from DOST agencies and regional offices and enable them to pursue MS in Development Communication beginning July 2016. This is a special off-campus Saturdays-only program in collaboration with UPLB College of Development Communication.

Through it all, we at STII are committed to spread our wings and expand the scope of our engagement in order to become more proactive, more forward-looking in seizing new and unexplored opportunities in the service of the nation.

STII would like to build on these gains by keeping in step with our scientists, researchers, innovators, and organizations that have advanced the frontiers of knowledge and laid the groundwork for an environment that embraces change and scientific progress. Rest assured we will always embrace change under the administration of DOST Secretary Fortunato T. dela Peña in carrying out our key mandates.

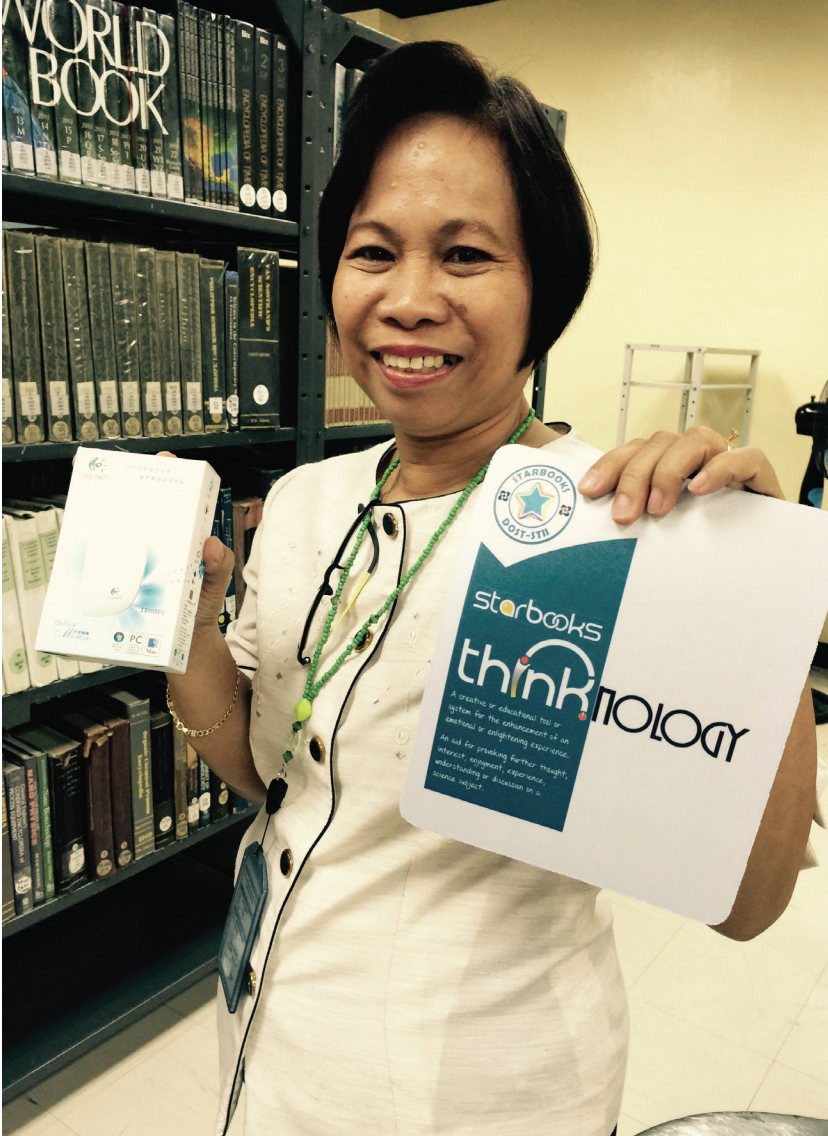
  
**RICHARD P. BURGOS**

# S&T INFORMATION REFERENCE SERVICES

**T**here is a time for everything, a season for every change. Shaping information services requires the courage to take flight and the foresight to be equipped ahead. Taking our S&T information with pride, our timeless art and science of information management now rises under a new banner– *Discover. Partner. Succeed.*







Girded with strength, sound wisdom, and discretion, we sift through information materials to put together S&T information that our clients can use. Acknowledging the dynamic nature and challenge of strategic and timely information, the year 2016 infused theory, participation, and capacity into its current duties, vision, and mission. Modern methods of information sourcing and cataloging, processing and database management, information products development, and packaging were reshaped into key areas to make room for future needs and trends. The IRAD key areas were reprogrammed by priority as shown in the funnel on the right.

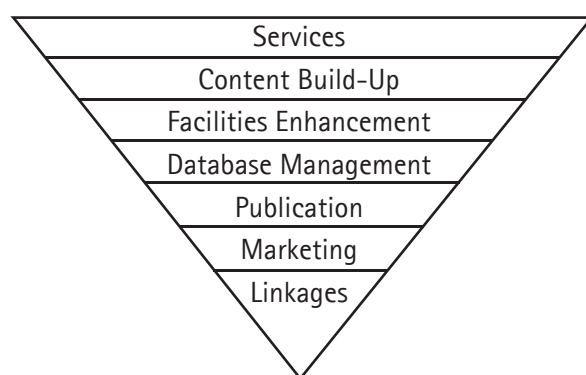


Figure 1. IRAD's seven key areas by priority



Figure 2. S&T Information Services Offered

Steadfastly contributing to the development of a science culture, the Information Resources and Analysis Division maintains its longstanding role as a provider and communicator of organized scientific and technological information. Its comprehensive repository breathes life with its extensive collection of S&T materials, organized user-friendly packages, and info dissemination mechanism.

## Advancing our library services for our patrons

Emerging from the chrysalis of tradition with monarch wings, our patrons continue to brave this era of changing user needs and wants at STII. Our librarians and staff dialogue closely with patrons about how they envision solving their problems. Applying intuitive and comfortable ways, we assist patrons in choosing their resources and seek to know how their encounter went as information-seekers (Figure 2).

Information-seeking behavior, a purposive manner of gaining knowledge from selected information carriers, is an umbrella for a set of related problems. Particular problems present a specific character and dimension to them that require and specialized knowledge. Individuals working in this field are considered experts in terms of understanding:

- the patron world
- their information needs
- the applicability of information to specific contexts in a patron's life.

In the advent of the internet and social network, our stakeholders and patrons are less passive than before as they now have the ability and opportunities to send messages via social media, globally.

For our clients, we highlight on this page the services that the STII Library offers.

## Beefing up our library collection

One way to gather focused information is through collection development. Our collection development is marked by steady acquisitions and processing, summarized for the year 2016 in Figures 3 & 4.

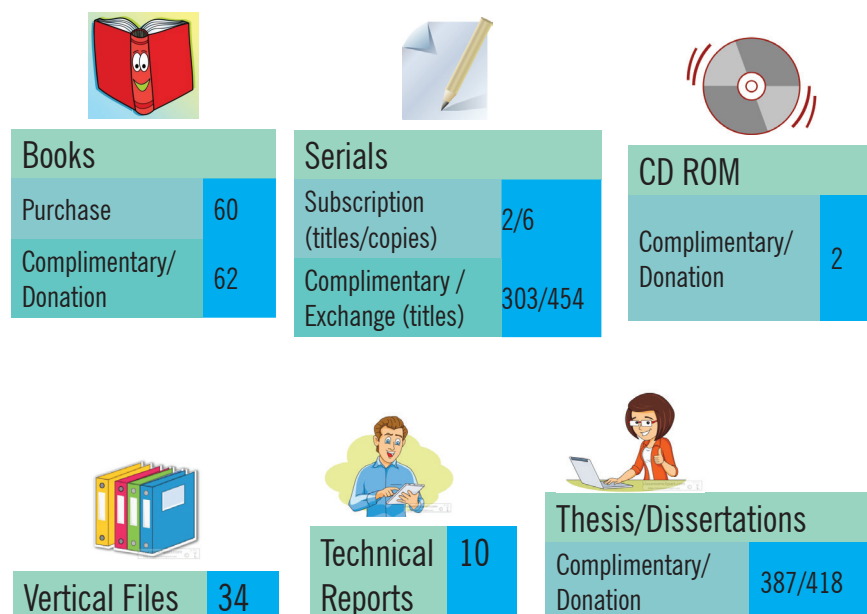


Figure 3. Collection Development - Materials acquired (titles)

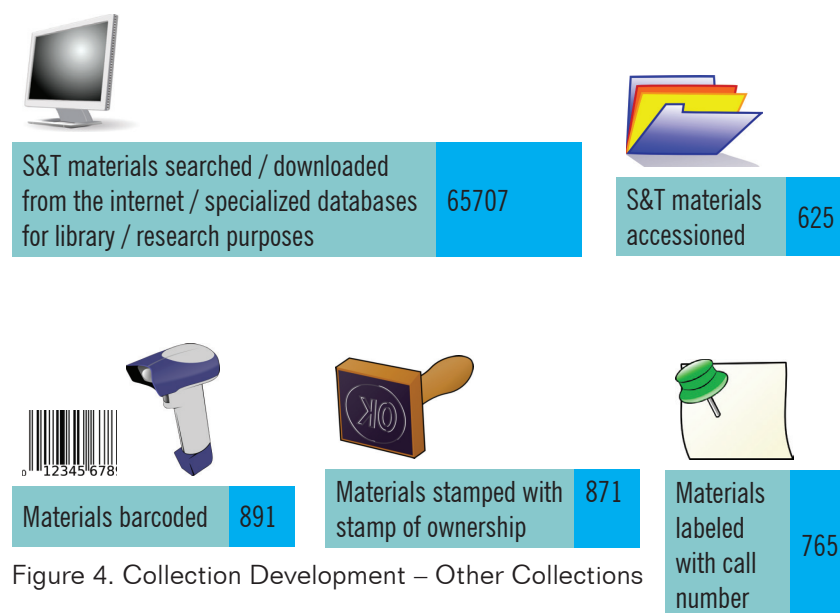


Figure 4. Collection Development – Other Collections



## Cataloging and classifying for circulation

Once information is gathered, we illuminate things through detailed cataloging and classification standards. This enables us to circulate materials that we acquired to the general public. For 2016, the materials are reflected in Figure 5.

## Digitizing for today's readers

Digitization, a meticulous process of converting any kind of communication/information into a code that can be readily transmitted, decoded, and delivered, is continuously performed to reflect physical S&T information into digital form for those who need and appreciate it. The year 2016 presents us with the following accomplishments on digitization (next page).

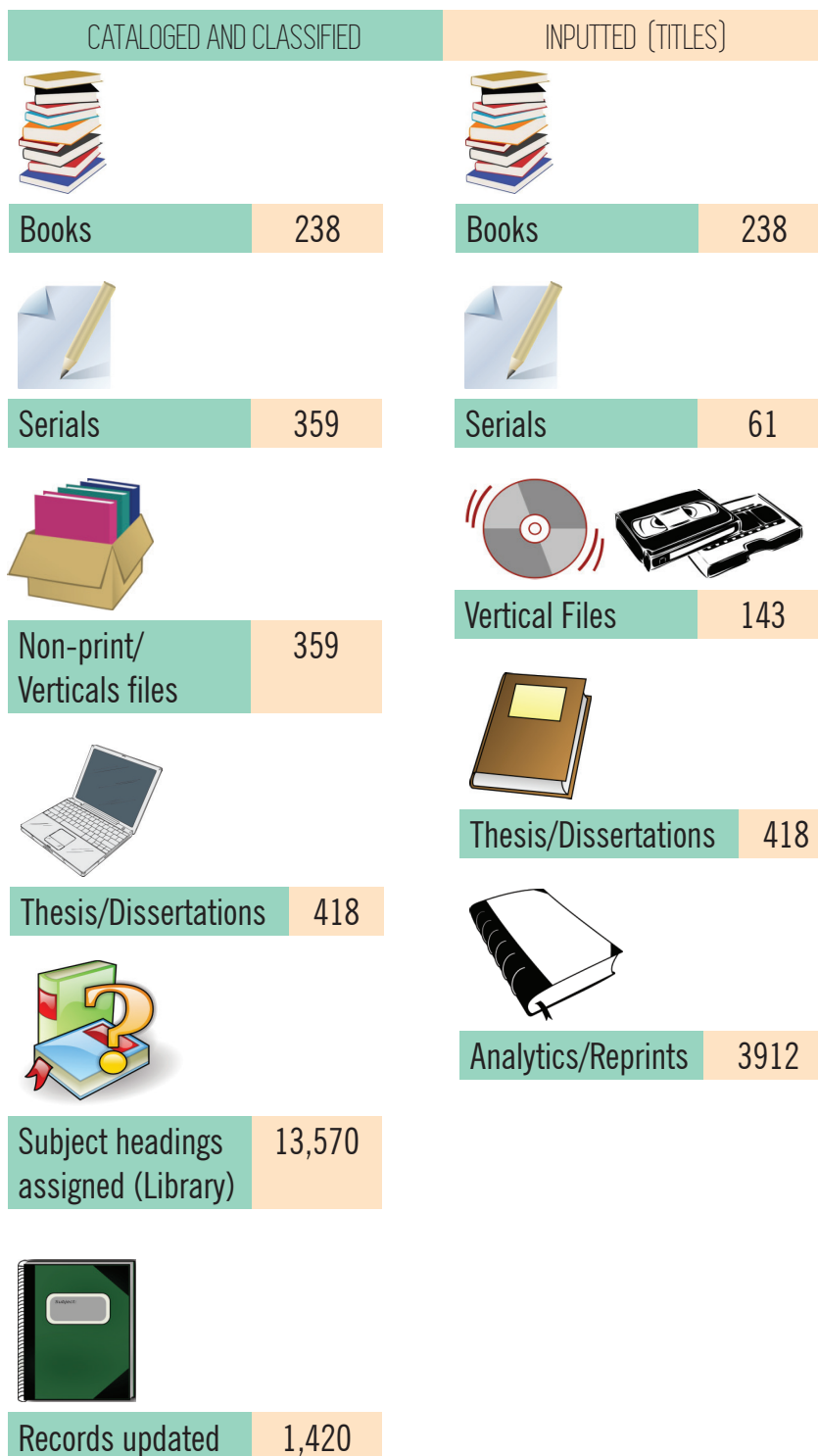


Figure 5. Cataloging and Classification of Library Materials

## Digitization Accomplishments



Titles of (Fil) materials / pages scanned 1,387 / 133,085



Materials categorized 427



Image / pages quality reviewed 907 / 100,503



Labeled as scanned 996



Article Titles Extracted 2,070



Full Text Articles / Pages Uploaded for STARBOOKS 545 / 11,243



Full Text Materials / pages uploaded for OPAC 1,731 / 97,066



Categorized by type for uploading to Phil eLib portal 28,037



Titles / Pages prepared for STARBOOKS update 1,141 / 45,462

## Serving our clients

The figures below reflect our Library/Readers/ Online Services for 2016.

### Library / Readers / Online Services



Walk-in 2,228



Email 178



Facebook (Social media) 93



Phone 137



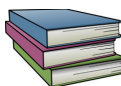
In-house orientation participants / school tour / NSTW visitors 5,363



Online (SILMS OPAC) 307,972



Online (Science.ph) 622,778



Subjects / topics accessed / retrieved / served 606,621



Materials requested and served 1,113 / 1,532



Materials shelved and reshelfed 8,684








Materials inventoried 2,507

## Burgeoning cocoon of information

A necessary part of the information life cycle, our S&T information cocoon of distinct baselines serve as references in bringing change. Content and databases strengthen and support information services, without which information cannot be fully served. Likewise, databases that supply information cannot exist without an equivalent demand from information services. At STII, we make sure that our journey is properly prepared with the fundamentals – digital information management and innovation.

Digital technologies inspire new and elaborate arguments about the power of technology to deliver information, educate, and satisfy stakeholders and patrons. These are exciting times because digital media and communication products can be easily carried and circulated globally through digital networks.

Our databases and products derived from these are managed and updated regularly to provide point of entries into digital technologies. Documentation focuses on abstracting and indexing S&T materials for content build-up of the Filipiniana and scientists database. The 2016 outputs are shown below:

CONTENT AND DATABASE MANAGEMENT			
	Records Encoded	Filipiniana Serial Analytics	1,200
		Foreign Serial Analytics	3,121
	Subject Headings Assigned	Filipiniana Serial Analytics	6,000
		Foreign Serial Analytics	9,757
	Records updated – Scientists Database		131
	Scientists profiled and gathered for processing		41
	Philippine Science and Technology Abstracts (In-house Digital Publication)		2
	Philippine Men and Women of Science (In-house Digital Publication)		2
	STARBOOKS	Records updated	836
		Records/pages quality reviewed	1,327 / 25,867
		Broad Classification / subject headings assigned	8,177
		Video quality reviewed	279
		S&T news quality reviewed	1,636
	SuperSTARBOOKS content	Events in Phil. Science	89
		Scientists Profile	114

Other activities were also the groundwork for relieving the vision was prepared through information-gathering and benchmarking.

2016 INITIATIVES				
	Activity	Location	Time period	Description
	Received theses and dissertations	Received onsite, DOST-STII grounds	2016	From DOST-SEI for collection development
	Received library resources from TRC	Received onsite, DOST-STII grounds	Jan. to Mar.	For collection development
	Visited UP College of Engineering Library II	University of the Philippines Diliman, Quezon City	15 Mar.	To use as point of reference for an academic library with a modern design
 	Visited Instituto Cervantes de Manila Library	Ayala Tower I & Philippine Stock Exchange Tower Plaza Ayala Triangle, Ayala Avenue Makati 1200	14 Apr.	To consider as model for a special library design with limited space
 	Attended the 20th Philippine Academic Book Fair	Mega Trade Hall 1 SM Megamall, Mandaluyong	4-8 July	For acquisition and collection development
	Attended the 37th Manila International Book Fair	SMX Convention Center Pasay City	15-16 Sept.	For acquisition and collection development

List of IT Orientations Conducted	
San Pedro City Hall, San Pedro, Laguna	14 January 2016
Local Government Unit, Magdalena, Laguna	14 January 2016
Consolacion College, Binan, Laguna	2016
St John Technology College, Quezon City, Metro Manila	10 March 2016
STI College Orientation, Bicutan, Tagug City	10 October 2016
Colegio de San Gabriel Arcangel, San Juan del Monte City, Bulacan	10-12 October 2016

Freely-giving and moving S&T information reaffirms our continuing commitment to strengthen and enhance our reach. This year, the Library Technical Working Group and the IT technical support staff delivered IT technical support, conducted trainings and consultancies, and maintained the library's professional networks and linkages.

## IT technical support activities - IT Orientation, IT Support

Our IT technical support staff monitors and maintains computer systems and networks within the Institute. They also provide assistance to users of technology products outside STII (orientations) and to DOST events (live streaming media).

## STARBOOKS – Change means Empowerment Now

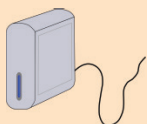


Change is a process, not an event. At STII, we help bridge progress marked with process to make a difference. Through the Science and Technology Academic and Research-Based Openly Operated Kiosks or STARBOOKS, our digital library in a box, we share information through access portals containing a large number of digitized science and technology resources in various formats.

Launched since June 2011, STARBOOKS celebrated its Ceremonial 1000th Site Installation milestone last September 23, 2016, at the Dayap National High School in Brgy. Dayap, Calauan, Laguna.



## STARBOOKS – Trainings and Consultancies



1.	Bataan Peninsula State University (Abucay Campus), Balanga City, Bataan	1 February 2016
2.	Provincial Science and Technology Center, Balanga City, Bataan	1 February 2016
3.	Bataan Peninsula State University (Bagac Campus), Bagac, Bataan	2 February 2016
4.	Marikina Polytechnic College, Marikina City, Metro Manila	22 February 2016
5.	Lipa City National High School, Lipa City, Batangas	25 February 2016
6.	Colegio ng Lungsod ng Batangas, Lipa City, Batangas	25 February 2016
7.	STARBOOKS Orientation and Demo for US Peace Corps Volunteers, International Institute of Rural Reconstruction, Silang, Cavite	19 April 2016
8.	STARBOOKS installation, updating and orientation, Victoria, Oriental and Occidental Mindoro	11-15 May 2016
9.	STARBOOKS Deployment Training Workshop and SNT ICT Project Orientation, Cebu City, Cebu	8-10 June 2016
10.	STARBOOKS Deployment Training Workshop and Orientation on DOST Event App, Cebu City, Cebu	8-19 June 2016
11.	San Pedro Elementary School and Los Angeles Elementary School, Iriga City, Camarines Sur	July 2016
12.	STARBOOKS Orientation on Commission on Higher Education Quezon City, Metro Manila	9 August 2016
13.	Nueva Ecija Deployments (39 Sites)	15-17 August 2016
14.	Cavite State University (Carmona Campus) Carmona, Cavite	30 August 2016
15.	STARBOOKS Deployment, Iriga City, Camarines Sur	5-7 September 2016
16.	STARBOOKS Deployment, Tayabas, Quezon	8-9 September 2016
17.	STARBOOKS Orientation (1000th Site of Installation), Dayap National High School, Calauan, Laguna	8 September 2016
18.	STARBOOKS Deployment, Gapan, Nueva Ecija	27-28 October 2016
19.	STARBOOKS Orientation, Esteban Abada High School, Sampaloc, Manila	28 October 2016
20.	STARBOOKS Orientation and Training, DepEd Paranaque, San Agustin Elementary School, Paranaque, Metro Manila	10 November 2016
21.	STARBOOKS Orientation and Training, University of Perpetual Help System	23 November 2016
22.	STARBOOKS Orientation and Training, National Research Council of the Philippines, Taguig City, Metro Manila	24 November 2016
23.	STARBOOKS Orientation and Training, DOST Regional Office No. IV-A, Los Baños, Laguna	24 November 2016
24.	Project Deployment Officers' Documentation Training Seminar, 2nd STARBOOKS Workshop, Cagayan de Oro City, Misamis Oriental	28-30 November 2016





# STARBOOKS HIGHLIGHTS



DOST Secretary Fortunato T. de la Pena together with Calauan City Mayor Buenafrido T. Berris lead the installation and launching of STARBOOKS' 1000th site last September 23, 2016 at the Dayap National High School in Calauan City, Laguna.







Iuguegarao City, Region II



San Carlos City, Pangasinan



Balanga City, Bataan



Bacoar City, Cavite



Legaspi City, Region-V



Muntinlupa City Public Library, NCR



Lapu-Lapu City, Cebu



Cagayan De Oro City, Region X



Butuan City, CARAGA



Cotabato City, ARMM



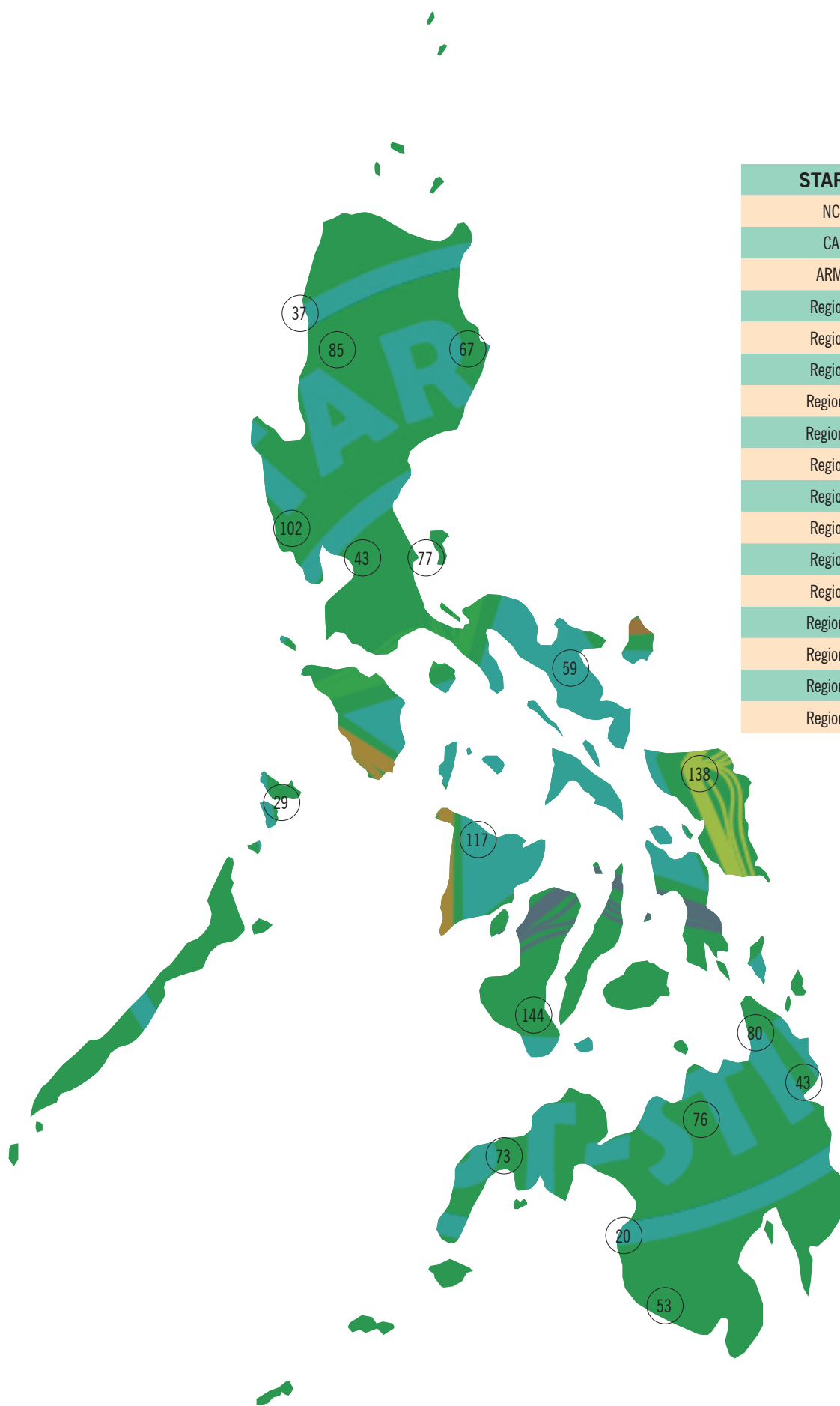
Victoria, Oriental Mindoro



For 2016 the Systems development team handled design and programming for the following	
STARBOOKS	Offline Version
	Online Version
	Installer kits
	Conversion of materials for content inclusion
SNT –ICT Intervention	SNT Website
	SNT Events Application for Android
	Newsletter composition and blasting
	News/Article sourcing and monitoring
	Posted 814 DOST and S&T related news/articles from various sources
	75 Newsletter containing 10 articles each. Sent to 7,048 subscribers
DOSTv	Redesigned DOSTv website
	DOSTv Application for Android
	Integration scripts for PAGASA weather forecast
ONE EXPERT	Integrated Region 6 Mingle platform.

STARBOOKS and System Development Team handled the following:	
Partnerships	Initiated partnership with DICT for deployment in Tech4Ed Centers
	Initiated partnership with DEPED for deployment to public high schools
	Initiated partnership with Children's Hour for hardware deployment to their target beneficiaries
	Initiated partnership with Samsung – FrontLearners for content source
	Initiated partnership with National Commission for Culture and Arts (NCCA) for content source
	Initiated partnership with SMART – CSR for content source

Technical / System Deployment team handled the following	
SNT – ICT Intervention	Live streamed 81 Events. Some events includes technical booth operations.
STARBOOKS	458 site installations including training and orientations with the assistance of the regional offices.
DOSTv	Live streamed 168 Episodes since May 30, 2016
	Assist in the procurement of equipment
IPEL	Assist in the procurement of equipment
STII In-house Technical Support	Provided 100 software technical support
	Provided 131 hardware technical support



STARBUCKS SITES	
NCR	43
CAR	85
ARMM	20
Region 1	37
Region 2	67
Region 3	102
Region 4A	77
Region 4B	29
Region 5	59
Region 6	117
Region 7	144
Region 8	138
Region 9	73
Region 10	80
Region 11	76
Region 12	53
Region 13	43



## INFORMATION TECHNOLOGY UNIT



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**Frederick Lloyd M. Mandapat**  
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**Leee Boy G. Valmorla**  
Computer Programmer I



**Rajyl P. Muleta**  
Data Controller IV (Cont.)

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**Vincent F. Tuyar**  
Project Assistant II

### STARBOOKS Coordination



**Robelyn M. Cruz**  
SRS II



## INFORMATION RESOURCES AND ANALYSIS DIVISION



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Chief Science Research Specialist

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**Jessica T. Barrientos**  
SRS II



**Annielyn D. Bacani**  
SRS II



**Khasian Eunice M. Romulo**  
SRS I



**Irish D. Bulaon**  
SRS I

### Digitization Section



**Jonathan R. de Guzman**  
SRA (Cont.)



**Reynaldo A. Morales, Jr.**  
Clerk III

### Documentation Section



**Maribel B. Palafox**  
Supervising SRS/Unit Head



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**Arjay C. Escondo**  
SRS I



**Jeffrey T. Centeno**  
Printing Machine Operator II

# S&T PROMOTION AND ADVOCACY

**C**hange is inevitable. In fact, it is the only constant thing in this world. Thus as the world progresses, the delivery of S&T promotion and advocacy also goes along. We may anchor on a good model for a time but changes in the dynamics of the society compel us to look for other models, or even create one, that would work best for us. The year 2016 indeed made us get out of our comfort zone to tread across platforms to make sure that our promotional activities get in all channels to reach a broader audience.



In 2016, a big change came about in Science and Technology Information Institute in terms of promoting different S&T-related content to a larger audience. Going beyond our comfort zone, we made a headway in our promotions towards going across various platforms such as radio, internet, and social media.

It was bannered by the soft launching of DOSTv, the first-ever Filipino weather channel last May 30, 2016. In the one-hour airing, viewers can have the latest weather updates and forecast, and even dam situations from DOST-PAGASA. Viewers can also watch documentaries related to various DOST projects and live interviews on interesting programs, projects, innovations, personalities, and advances in the local science and technology community.

We also acknowledge the impact of traditional media, such as radio, in reaching out to mass audiences. Thus we rolled out a radio drama series entitled "Handog ng Agham Para sa Bayan." The drama series features stories of success of individuals whose lives were made better through the help of science and technology. It aired as a segment of the primetime radio program "Radyo Henyo" anchored by Angelo B. Palmones and Ruby R. Cristobal over DZRH 666 khz every Sunday at

4:00-5:00 pm. For its first season, it featured 13 episodes which ran from October 23, 2016 until January 29, 2017.

Another major activity conducted in 2016 was the Social Media Engagement Seminar participated in by DOST Media Core members last June 22-23, 2016 at Richville Hotel in Mandaluyong City. The said workshop equipped the participants with skills and know-how in maximizing the potentials of social media in disseminating information in all media platforms (text content, videos, hashtags, infographics, etc.) at the fastest turnaround time.

Within the year, we were able to conduct four Science Journalism Writeshops: 1) in Batangas State University, 2) Calbayog City, 3) at STII for the National Science and Technology Week 2016, and 4) at the Philippine Science High School for the National Biotechnology Week 2016. These writeshops aim to arm college communication and journalism students, as well as campus journalists, with the right knowledge on how to write accurate and effective science stories. The writeshop in Calbayog City, meanwhile, equipped the participants – all media professionals – on disaster preparedness and how to report on disasters responsibly.





## Producing stories that reach people

In 2016, we were able to come up with 359 press releases and 49 photo releases. There were also supplementary releases submitted by contributors outside STII but repackaged in our office, totalling to 416 press releases. We also monitored 5,603 DOST-related releases, for online and print, and 476 broadcast interviews via radio and TV. As we recognize the importance of social media as a powerful platform to hoist our messages in all forms (text content,

videos, hashtags, meme, infographics, etc.) at the fastest turnaround time, we have published 197 social media posts in our official Facebook Page.

Our monitoring also showed that the STII Facebook page had 1,713 likes in 2016 alone, at an average of 143 page likes per month. The page produced 28,413 engagements for the year, with some 2,368 Facebook users patronizing our posts every month.



User engagement means interacting with social media users through answering inquiries by users, page shares, comments, and views

The STII Facebook page also reached out to 427, 268 users in 2016.

The contents of our Facebook posts are mainly news, features, photos, videos, graphics, and links that tackle disaster mitigation, business, education, promotion, and innovation. Posts that reached the most number of likes are topics including space technology, ICT, forestry, gender and scholarship.

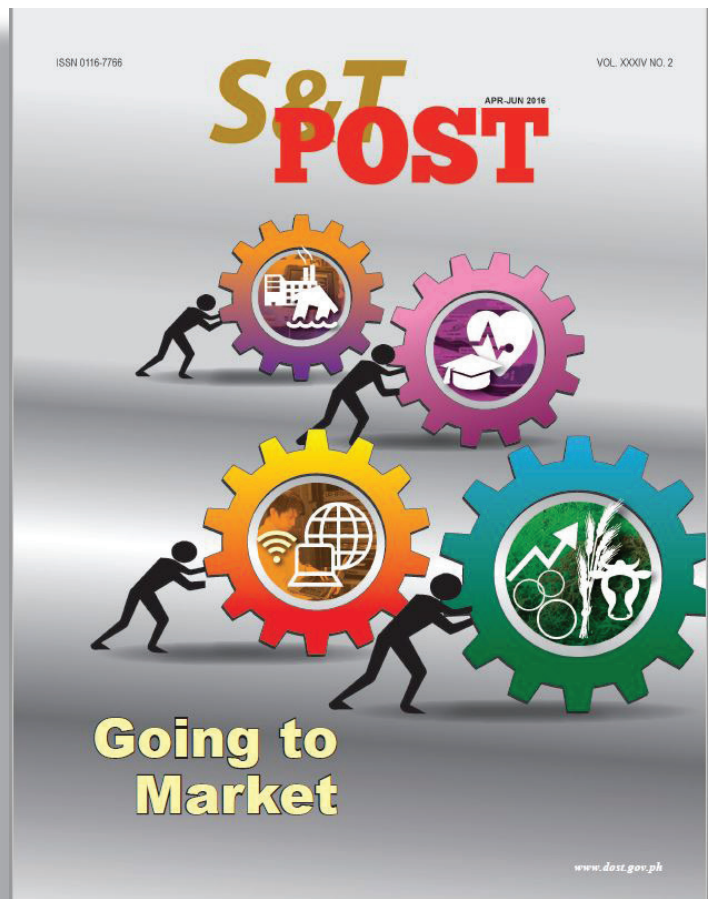
Our stories were also chosen by media peers for follow-up stories which have soon become trending topics in various blogsites.

## Jumpstarting media mileage

For the purpose of promoting various DOST projects, we conducted or co-organized 92 press conferences in 2016.







## Spreading good news in publications

STII publishes the S&T Post, a quarterly magazine that features popularized S&T stories in every issue. Now on its 34th year, S&T Post has a circulation of 5,000 and its distribution has reached various government offices like the Office of the President, Senate, House of Representatives, and various national government agencies and state universities and colleges.

The S&T Post can also be accessed online thru science.ph, and websites of DOST and STII. It can also be easily accessed at App Store.







## Miyembro ng Math Olympiad national team, wagi

NI JOY M. LAZCANO  
S&T Media Service, DOST-STI

**I**pirakita ng tatlong math Olympiad ang kanilang husay sa katapos na lamang na Philippine Mathematical Olympiad nang sunagkiran ang tatlong pangunahing pwesto kamakailan.

Tinaghal na kampeon si Faneli Eldrian Yu ng NGC New Life Christian Academy sa nasabing national olympiad at nag-uni ng P20,000.

Kabilang sa mga nagwagi ay ang mga kasamahan ni Wu sa national team na sina Kyle Patrick Dulay ng Philippine Science High School - Main Campus sa unang pwesto at Albert John Patapat ng Holy Rosary College na nasa ikalawang pwesto naman.

Si Dulay ay nakatanggap ng P15,000 halaga ng P10,000 naman para kay Patapat. Maliban sa nagpangalang cash prize, ang tatlo ay nakatanggap din ng mga tropeo at iba't ibang gift item mula sa Sharp Calculators.

Ang tatlo ay kabilang sa national team na lumaban para sa bansa sa International Mathematical Olympiad.

Ngunit bago pa man, si Wu ay nagwagi sa unang pwesto sa nakaraang PMO at nagging bronze medalist sa 54th IMO na ginanap sa Chiang Mai, Thailand.

Samanlala, nakamit ni Dulay ang honorable mention sa nakaraang IMO

sundan sa pahina 2

**Mga Nilalaman**

Mga pag-aaral at polisiya sa Land Reclamation, kaya yan ng mga Pinoy na Siyentista.....p3

Bacteria Growing, itang magandang science project.....p4

Larawanews.....p4



## Valley Fault Atlas nasa Internet na

NI JOY M. LAZCANO  
S&T Media Service, DOST-STI

**H**anda ka na ba sa "The Big One"?

Nasabi ay naging pinakamalaking matatagpuan ng mga kababayan, gawali at infrastruktura ang maaring masira ng nasabing lindol. Kaya naman para sa pamanunang ng DOST, mahalaga na handa lalo na ang mga nasa Kanaynilaan.

Dahil dito, ang DOST-PHIVOLCS ay isinapubliko sa pamanunang ng Internet ang kopya ng VFS Atlas, o ang mga handbook ng mga mapa ng mga lugar na dinadanan ng VFS.

Ang VFS Atlas ay maaring madoownload sa website ng DOST-PHIVOLCS na [www.phivolcs.dost.gov.ph](http://www.phivolcs.dost.gov.ph). Ito ay hindi isinaghihiwalay.

Ang mga DOST Secretary Mario G. Montejo, "The VFS Atlas, (is) a tedious work

sundan sa pahina 2

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sundan sa pahina 2

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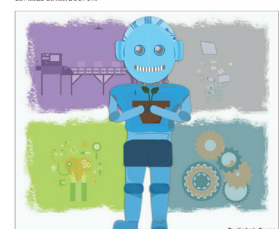
Ang mga DOST Secretary Mario G. Montejo, "The VFS Atlas, (is) a tedious work

sundan sa pahina 2



## DOST eyes research on artificial intelligence

By Joy M. Lazcano  
S&T Media Service, DOST-STI



By Kimberly Davison

**T**he Department of Science and Technology (DOST) Secretary Fortunato T. de la Peña said during the National Research and Development Conference that the science department plans to include artificial intelligence (AI) in its research and development agenda starting 2017-2022.

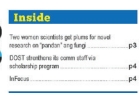
The National R&D Conference is a precursor to the crafting of a National R&D Agenda (NRA) for science and technology, which intends to unify all R&D projects and initiatives in line with the Philippine Development Plan called "Ambisyon Natin 2040."

"Now we would like to pursue new areas, not necessarily new in the global sense but in the local sense, research and development in areas that are in the field of artificial intelligence and space technology," says De la Peña.

He added that in the future, he wants a scientific article on the future of technology where AI had been previously described as the end use of technological development in the global technological space.

However, the retired UP professor said that the government then had to focus more on other priority areas of development.

continued on page 1



## DOST programs help entrepreneurs yield more innovative products and services

By Alma Muenir-V. Macal  
S&T Media Service, DOST-STI

**S**ecretary Fortunato T. de la Peña of the Department of Science and Technology (DOST) said that incentives for incentive grants have been the most effective of different programs of Department of Science and Technology (DOST) in supporting entrepreneurs in supporting small and medium enterprises (SMEs) in the province.

"We have many local products and services, which we monitor, and DOST is recognizing this. That is why we are sharing all the resources and knowledge that we have to support them to be innovative in improving and marketing their innovative products," said Secretary de la Peña during the launching of Biondo and Calsino Top Foundation (BCTF) Innovation Grants, held recently at Manila Polo Club in Makati City.

Sec. de la Peña stated that DOST, through its Small Enterprise Technology Upgrading Program (SETUP), had helped many SMEs in the country to improve the quality of their production and service, particularly in the area of technology upgrading, packaging assistance, market research, and technology transfer. He said that through this support, DOST was able to create and enhance the value of SMEs in the market and introduce more innovative products and services.

"Innovation has provided numerous inputs to our country, particularly in the SETUP side. It could stimulate business, it could generate income and money, and most importantly, it could generate employment opportunities for people in the country," Secretary de la Peña said.

Sec. de la Peña believes that the launching of BCTF Innovation Grants will help more in encouraging and motivating people to really contribute towards innovation.

The other head, Secretary of Asia and the Pacific (GAP), President Dr. Wilfredo Corral B. Pacheco also emphasized that innovation is one of the most important fields of development.

According to him, in the midst of development it is always on the people and the society which they

continued on page 2

For readers who want to do quick readings, DOST Digest also offers condensed, straight stories on the S&T scene. We also have Balitang RapiDOST which is written in Filipino, and provides interesting news to our readers. Each of these newsletters has a circulation of 5,000 and distributed all over the country. The target readers of the first newsletter are professionals, academe and government offices, while the latter targets high school and college students, as well as local media that use Filipino as a medium.

Balitang RapiDOST has been adopted by DOST Regional offices XI, VI, and II.



For digital publications, we have the Philippine Science and Technology Abstracts which contains classified abstracts and summaries of articles from S&T journals and periodicals. It is published online twice a year and hard copy is available upon request.

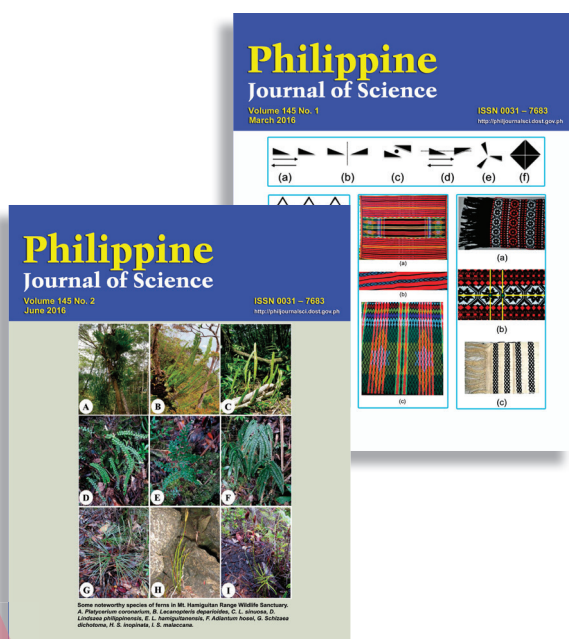
We also have the Philippine Men and Women of Science (PMWS) which contains a compilation of the bio-bibliographical information of living men and women in the field of science and technology. This publication is also published online twice a year and a hardcopy is available upon request.

As an extension of the PMWS work and in keeping with the triple-H concept (head, heart, and humor) launched in 2015, we interviewed five specialists: Dr. Archiebald Malaki, Dr. Charlotte Kendra Gotangco, Dr. Decibel Eslava, Dr. Feliciano Calora, Jr., and For. Arsenio Ella. They shared a glimpse of their life and their vision for the Philippines.

STII also manages the Philippine Journal of Science (PJS), a semi-annual, peer-reviewed journal that publishes original scientific papers in the natural and applied sciences, engineering, mathematics, and social sciences. It has 2,000 circulation and dispatched to international subscribers, research institutions, professional researchers, and the academe.

The year 2016 marked an important milestone for PJS as it celebrated its 110th anniversary, making it the oldest scientific journal in the country. The Editorial Board published four issues for this year instead of the usual two. March, June, and September 2016 issues were released online while the December 2016 issue was in press. Printed copies of PJS March issue were already distributed.

PJS took part in the annual celebration of the National Science and Technology Week last July 25-29 by mounting an exhibit at the STII lobby showcasing highlights in the 110-year history of the journal such as important articles that brought impact to the Philippine society, notable scientists and personalities who made valuable contribution to PJS like Dr. Elmer Merrill who served as the first editor-in-chief, artifacts like the first issue of PJS released in 1906 and before the World War II and when it resumed publication after the war.







Philippine Journal of Science exhibit

We also conducted a two-day training-workshop titled "Getting Your Paper Published in a Scientific Journal" last July 26-27 at STII Mini Theatre. The workshop aimed to equip DOST researchers with the proper skills in journal article writing and help them prepare manuscripts that will have a high probability of being accepted for publication and of being completely understood when they are published. Twenty five representatives from DOST research and development institutes attended and were able to write and revise their research results into scientific paper.

Promotional materials like shirt and mug were likewise produced to promote PJS. These were distributed to reviewers and partners in appreciation of their valuable contribution to PJS and to encourage local scientists and researchers to continue making PJS as a venue for publication of their studies.



Certificates of participation were given after a two-day training-workshop on "Getting Your Paper Published"



## Developing science information through creative design

Communicating various science and technology concepts is not only done through words. Complex science and technology concepts are most often too abstract or too technical, making it difficult to explain in layman's terms. To make concepts easier to understand, STII prepares graphics for reports and information materials.

We also prepare various media and information collaterals to complement our announcement of events.

In 2016, we partnered with Enchanted Kingdom for the inclusion of DOST's NSTW as one of the itineraries of their tours. The famous theme park brought Eldar the Wizard to partner with Smarty, the DOST mascot, during the NSTW.

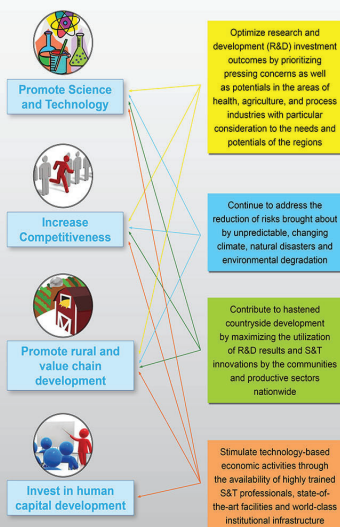
To draw the attention of the students, we encouraged them to write pick-up lines and/or their thoughts regarding their visit to STII and DOST on a piece of Post-It note. The result is a colorful collage of mini love letters for DOST and STII which affirmed our belief that students did enjoy the NSTW events and exhibits

We designed and developed information collaterals for DOST's major events like the NSTW, National Biotechnology Week, Science Nation Tour, Technology Transfer Day, and installation and exhibits of STII's very own Science and Technology Academic Research Based Openly Operated Kiosks.



Service for Excellence and Equity  
through  
Science, Technology and Innovation

### DOST contributes to the National Socio-Economic Agenda



**SCIENCE FOR THE PEOPLE**



SCIENCE AND TECHNOLOGY INFORMATION INSTITUTE









## Explaining science via imagery

In order to complement the written story, STII also prepared images and video services as visual support for stories prepared in-house or by media peers.

In 2016, we counted a total of 275 photo coverages for documentation purposes and for media visual support. We also had 198 photo coverages, where we distributed pictures to the media and organizing institutions.

Apart from this, we also documented 174 events for DOST and partner institutions. Out of these events, we reproduced 157 video coverages into DVD formats. Furthermore, we have also edited 79 AVPs and uploaded to the DOST Videos YouTube channel to enable the public to view and download these videos for educational and information purposes.

## Live Streaming Events

Live streaming media is the process of broadcasting live video content in a platform that enables viewers to play content over the web. We do live streaming services to make our events accessible to people outside of the event location.

For 2016, we provided nine live streaming services nationwide

### Live Streaming Media Provider and Support Coverage



- |    |  |             |
|----|--|-------------|
| 1. | Science Journalism Writeshop in Batangas State University  | 19-20 Jan.  |
| 2. | TELA Nation in DOST Executive Lounge   | 28 Jan.     |
| 3. | Science Nation Tour: "Agham na Ramdam", KCC Mall General Santos City   | 16-18 Feb.  |
| 4. | Science Nation Tour: "AghamnaRamdam", Diversion 21 Hotel, Ninoy Aquino Avenue, Iloilo City   | 22-24 Feb.  |
| 5. | DOSTkusyon: SIPAG FIESTA press conference  | 26 Feb.     |
| 6. | Science Nation Region V – Ayala Mall, Legazpi City   | 3-5 Mar.    |
| 7. | DIWATA-I Launch  | 23 March    |
| 8. | Technical support for workshop – Calbayog, Samar – Samar   | 28-30 March |
| 9. | Region 8 Technology Transfer Day (Visayas Cluster): Promoting Research and Outstanding Milestones in Innovation and Science for Entrepreneurship, Ormoc City Superdome, Ormoc, Leyte | 14-15 Sept. |





## COMMUNICATION RESOURCES AND PRODUCTION DIVISION



**ARISTOTLE P. CARANDANG, LPT, MPS, PhD**  
Chief Science Research Specialist

### Office of the Chief



**Rosalina B. Millan**  
Science Research Analyst



**Bryan Ray I. Torres**  
Printing Machine Operator II

### Public Affairs Unit



**Ma. Lilibeth P. Padilla**  
Information Officer III



**Arlene C. Celestino**  
Printing Machine Operator II

### Audio Visual Unit



**Mona Carina E. Montevirgen**  
Supervising SRS/Unit Head



**Gerardo C. De Jesus**  
SRS II



**Henry A. De Leon**  
AV Aide Tech IV



**Teddy R. Amante**  
AV Aide Tech III



**Gerardo G. Palad**  
Photographer II

### Content Development and Editorial Unit



**Framelia V. Anonas**  
Sr. SRS/Unit Head



**Ma. Judith L. Sablan**  
Information Officer III



**Espie Angelica A. De Leon**  
Information Officer III



**Rodolfo P. De Guzman**  
Information Officer III



**Joy M. Lazzano**  
SRS I

### Development Support Unit



**Geraldine B. Ducusin**  
Supervising SRS

### Creative Services and Design Unit



**Benedict P. Cagaanan**  
Supervising SRS/Unit Head



**James B. Intia**  
SRS II



**Mario B. Buarao, Jr.**  
SRS II



**Allan Mauro V. Marfal**  
Printing Press Supervisor



**Ferdinand D. Cartas**  
Printing Machine Operator II

# EFFECTIVE RESOURCES MANAGEMENT

**A**s the faithful partner of the technical divisions, we continue to provide support to STII's regular programs as well as its projects by way of ensuring effective, efficient, and premier services on financial, physical and human resource aspects.



## Managing Finances

STII's total expenditures for FY 2016 totaled ₱60,399,000.00. This amount was used to pay the salaries and benefits of employees including Magna Carta Benefits for S&T workers (fully implemented for the year); Maintenance and Other Operation Expenses (MOOE); and, Capital Outlay (CO) as shown in Table 1.

For FY 2016, the STII received Grants-in-Aid from DOST and other funding institutions for new and ongoing projects, as shown in Table 2.

## Financial and Physical Accomplishments for FY 2016

The Disbursement Budget Utilization Rate (DBUR) for the year which is the percentage of disbursement over obligations for MOOE and CO for the year was **91%**, a 1% increase from the set target of 90% while Obligations Budget Utilization Rate (OBUR) which is the percentage of total obligations over total allotment for the year was **96%**, a 6% increase from the set target of 90%.

Public financial management reports such as Budget and Financial Accountability Reports, Report of Ageing of Cash Advances, and Annual Financial report were also submitted on time to DBM and COA.

**Table 1. Expenditure by Expense Class**

Expense Class	Amount (in Thousand pesos)
Personnel Services	36,735
Maintenance and Other Operating Expenses	20,580
Capital Outlay	3,084
<b>TOTAL</b>	<b>60,399</b>

**Table 2. Grants In Aids Project FY 2016**

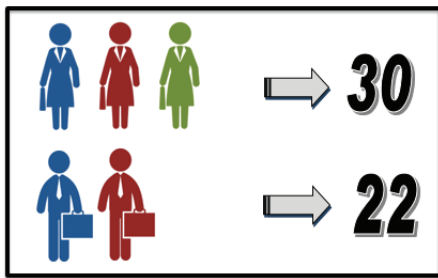
Project Title	Fund Source	Amount
Becoming a Science Nation Demonstrating Results: Information, Education and Communication (IEC) Campaign	DOST	13,384,200.00
Becoming a Science Nation Demonstrating Results: Information and Communication Technology (ICT) Intervention	DOST	1,472,258.00
Technology Fair Exhibit for NSTW 2016	TAPI	200,000.00
Publicity, souvenir program and special events for 2016 NSTW	DOST	6,514,464.00
Expanding Audience Reach through the DOSTv Weather Channel and S&T Broadcast Program	PCIEERD	4,289,988.00
Packaging of DOST-Developed and Supported Technologies and Innovation for Broadcast and Digital Promotion through DOSTv: The Filipino Weather Channel	PCAARRD	4,998,684.00
Building and Sustaining Quality Content for DOSTv - Weather Channel and S&T Broadcast Program	DOST (TRC)	6,850,000.00
Establishing of Infrastructure for Content Development and Digitization Component of the Integrated Philippine eLibrary (IPeL) Project	NLP	20,000,000.00
<b>GRAND TOTAL</b>		<b>57,709,594.00</b>

**Table 3. Physical Accomplishments for FY 2016**

MFOs and Performance Indicators		FY 2016 Targets	FY 2016 Actual Accomplishment
<b>MFO 1: Science and Technology Information Services</b>			
PI set 1: Science and Technology Information Reference Services			
Quantity	Number of clients served	278,808	943,471
Quality	Percentage of clients who rate the service as satisfactory or better	90%	100%
Timeliness	Percentage of inquiries where reference materials were provided within 5 minutes	90%	100%
<b>PI set 2: Science and Technology Promotion Services</b>			
Quantity	Number of promotion services rendered	562	1,408
Quality	Percentage of client who rate the service as satisfactory or better	90%	92%
Timeliness	Percentage of services rendered monthly	90%	225%

Physical accomplishments as of December 31, 2016 also exceeded the targets for the year as shown in Table 3.





Summary of STII's permanent employees profile by gender

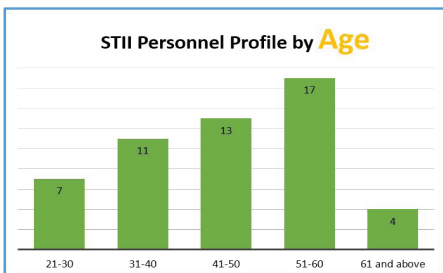


Figure 6. Summary of STII's permanent employees profile by age bracket as of 31 December 2016.

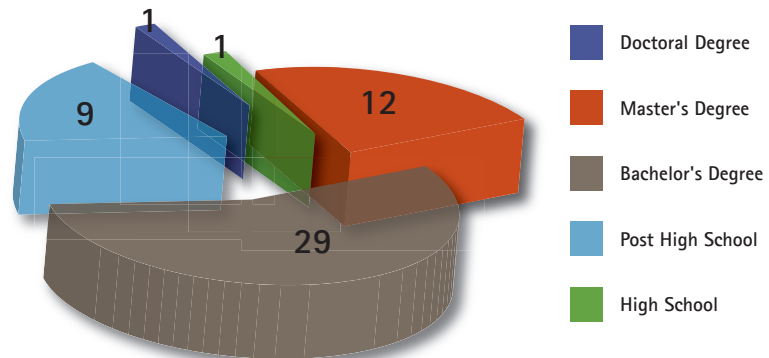


Figure 7. Summary of STII's permanent employees profile by educational attainment as of 31 December 2016

Educational Attainment	Name of Employees
Doctoral Degree	1. Carandang, Aristotle P.
Master's Degree	2. Agpawa, Nelly B.
	3. Anonas, Framelia V.
	4. Bacani, Annie Lyn D.
	5. Burgos, Richard P.
	6. Centeno, Arlene E.
	7. Ducusin, Geraldine B.
	8. Escondo, Arjay C.
	9. Lazcano, Joy M.
	10. Narquita, Alfon B.
	11. Rosqueta, Ma Teresa M.
	12. Sablan, Maria Judith L.
	13. Taule, Alan C.
Bachelor's Degree	14. Arabes, Jean B.
	15. Barrientos, Hannah T.
	16. Balbalosa, Nenita G.
	17. Barrientos, Jessica T.
	18. Bernal, Jona M.
	19. Buarao Jr, Mario B.
	20. Bulaon, Irish D.
	21. Cagaanan, Benedict P.
	22. Cayamanda, Jaqueline R.
	23. Centeno, Jeffrey T.
	24. Cruz, Robelyn M.
	25. De Guzman, Rodolfo P.
	26. De Jesus, Gerardo C.
	27. De leon, Espie Angelica A.
	28. Intia, James B.
	29. Mandapat, Lloyd Frederick R.
	30. Marfal, Allan Mauro V.
	31. Mesias, Rachel Diana S.
	32. Montevirgen, Mona Carina E.
	33. Narquita, Marievic V.
	34. Natorilla, Haziel May C.
	35. Pablo, Marites B.
	36. Padilla, Ma Lilibeth P.
	37. Palafox, Maribel B.
	38. Ramos, Cecille Rose B.
	39. Reyes, Ma Kristine B.
	40. Romulo, Khasian Eunice.
	41. Sandoval, Jose Herminio Jose D.
	42. Villamero, Marilyn C.
Post High School	43. Amante, Teddy R.
	44. Cartas, Ferdinand D.
	45. Celestino, Arlene R.
	46. Corcuera, Cynthia L.
	47. De Leon, Henry A.
	48. Millan, Rosalina B.
	49. Palad, Gerardo G.
	50. Reyes, Jaime V.
	51. Torres, Bryan Ray I.
High School	52. Rodriguez, Romulo S.

## Contract of Service Employees

as of December 31, 2016

NAME	POSITION	UNIT/DIV
<b>Regular Fund</b>		
1. Aquino, Dominic P.	Science Research Analyst (Audio Video Play-out System Operator)	IRAD
2. Ardieta, Maria L.	Administrative Assistant V	FAD
3. Batang, Melchelyn P.	Administrative Assistant II	FAD
4. Canonice, Avegail T.	Administrative Assistant I (Driver)	FAD
5. De Guzman, Jonathan R.	Science Research Assistant	IRAD
6. Dicos, Juliet V.	Science Aide	IRAD
7. Escalera, Gerry B.	Administrative Assistant I (Driver)	FAD
8. Gopilan, David Matthew C.	Information Officer I	CRPD
9. Maximo, Charles Michael C.	Administrative Aide IV (JOB ORDER)	FAD
10. Muncal, Geraldine M.	Administrative Assistant II	FAD
11. Quindoyos, Ladisla D.	Administrative Assistant II	FAD
12. Sengco, Hadassa F.	Clerk I	COA

Project fund (chargeable against "Becoming a Science Nation: Demonstrating Result: Information, Education and Communication (IEC) Campaign")		
13. Bio, Neil Anjo B.	Clerk III	CRPD
14. Sayson, Kimverlyn C.	Information Officer I	CRPD
15. Dela Cruz, Lilian B.	Research Associate I	CRPD
16. Villapando, Janina Myn Z.	Science Research Specialist II	CRPD



**Lilian B. Dela Cruz**  
Research Associate I



**Janina Myn Z. Villapando**  
Science Research Specialist II



**Kimverlyn C. Sayson**  
Information Officer I



**Neil Anjo B. Bio**  
Clerk III

Project fund (chargeable against "Becoming a Science Nation: Demonstrating Results: Information and Communication Technology (ICT) Campaign")		
Omega, Jonathan Bradd N.	Computer Programmer I	FAD
Pastoral, John Anthony P.	Science Aide	CRPD
Valmoria, Legee Boy G.	Computer Programmer II	IRAD
Tuyor, Vincent F.	Project Assistant II (Live-stream Computer Operator I)	DOSTv



**Vincent F. Tuyor**  
Project Assistant II



**Jonathan Bradd N. Omega**  
Computer Programmer I



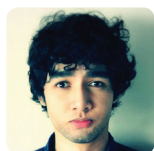
**John Anthony P. Pastoral**  
Science Aide



**Legee Boy G. Valmoria**  
Computer Programmer II

Project Fund (chargeable against DOSTv: The Filipino Weather Channel, project fund for "Packaging of DOST-Developed and Supported Technologies and Innovation for Broadcast and Digital Promotion)

Briones, Emmanuel Benedict B.	Project Assistant II	DOSTv
De Gracia, Xyrus Ivan B.	Clerk III	DOSTv
Dimagiba, Ma. Lotuslei P.	Project Development Officer III	FAD-OD
Maranan, Romelie Janelle	Science Research Specialist I	DOSTv
Miranda, Gelmi Liberty M.	Science Research Specialist I (Main Host-DOSTv)	DOSTv
Warne, Kimberley Hannah	Project Assistant II	DOSTv
Valerio, Ceajay N.	Science Research Specialist I	DOSTv



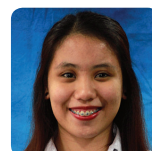
**Emmanuel Benedict B. Briones**  
Project Assistant II



**Xyrus Ivan B. De Gracia**  
Clerk III



**Lotuslei P. Dimagiba**  
PDO III



**Romelie Janelle Maranan**  
SRS I



**Gelmi Liberty M. Miranda**  
DOSTv Main Host



**Kimberley Hannah Warne**  
Project Assistant II



**Ceajay N. Valerio**  
SRS I

Project Fund (chargeable against IPEL Project Establishment of Infrastructure for "Content Development and Digitization Component")

Andaya, Mark E.	Project Assistant I	IRAD
Bagtangan, Janice C.	Project Assistant II	IRAD
Obrique, Lolita D.	Project Assistant II	IRAD
Mauricio, Judemae N.	Project Assistant II	IRAD
Morales, Reynaldo A. Jr.	Clerk III	IRAD
Nebria, Carlo O.	Administrative Assistant II	FAD



**Carlo O. Nebria**  
Admin Assistant I



**Reynaldo A. Morales, Jr.**  
Clerk III



**Mark E. Andaya**  
Project Assistant I



**Judemae N. Mauricio**  
Project Assistant II



**Janice C. Bagtangan**  
Project Assistant II



**Lolita D. Obrique**  
Project Assistant II

Project Fund (chargeable against NSTW 2016 project fund for Promotion, Souvenir Program and Special Events)

Aquino, Michael Angelo L.	Science Aide	CRPD
Olivar, Mary Grace E.	Science Aide	CRPD
Ramon, Karl Raven A.	Information Officer I	CRPD
Villanueva, Jade G.	Information Officer I	CRPD



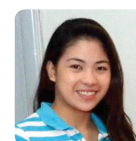
**Jade G. Villanueva**  
Information Officer I



**Karl Raven A. Ramon**  
Information Officer I



**Michael Angelo L. Aquino**  
Science Aide



**Mary Grace E. Olivar**  
Science Aide

Capability Building Programs			
Name	Activity	Date	Venue
<b>STII Employees as Participants/Attendees (Local)</b>			
Ma. Teresa M. Rosqueta	HR Symposium: Managing Transition through Strategic Human Resources and Organization Development	22-26 May	Cebu City
Nelly B. Agpawa Kayle Ann T. Trigo	Capacity Building Seminar on scholarly Research and ICT Innovation	18-24 April	Puerto Princesa City, Palawan
Jessica T. Barrientos	Seminar on SINOP 2 : A Course on Book Conservation & Print and Electronic Archiving	19-23 April	Cebu City
Irish D. Bulaon	Training on Google Collaborative Tools		
Alan C. Taule Robelyn M. Cruz	How to Package a Winning Anvil Entry Workshop	25 October	Makati City
Alan C. Taule	13th Convention on Statistics and in the Science and Technology Session	3-4 October	Mandaluyong City
Arjay C. Escondo	Business Continuity and Disaster Recovery Planning	21-23 September	PHIVOLCS Auditorium, Quezon City
Susana O. Abada Lotuslei P. Dimagiba Marilyn C. Villamero Ma. Teresa M. Rosqueta Ladislao D. Quindoyos Melchelyn L. Batang Kayle Ann T. Trigo Marievic V. Narquita Robelyn M. Cruz Arjay C. Escondo Irish D. Bulaon Jade G. Villanueva Bryan Ray I. Torres	Orientation on the New Electronic Records Management System	23 September	STII Training Room
Nelly B. Agpawa	5th National Congress of Special Libraries	3-5 August	Manila Pavilion
Kayle Ann T. Trigo	Basic GIS Training Using ArcGIS at NAMRIA	11-15 July	NAMRIA Geomatics Training Center
Louise Ian D. Aquino	Professional Certificate Program in Archives and Records Management	11-22 July	UP Diliman, QC
Hazel May C. Natorilla	Seminar-Workshop on How to Publish in a Peer-Reviewed Journal	7-8 June	DOH San Lazaro
Teddy R. Amante Lloyd Frederick R. Mandapat Rajyl P. Muleta Ceajay N. Valerio	Operators Training for DOSTv	16-18 May	PAGASA Weather Station
Alan C. Taule	Implementation of the Sendai Framework: Development of Risk Reduction Strategies and Plans Workshop	3-5 February	Discovery Suites, Mandaluyong City
<b>STII Employees as Participants/Attendees (Abroad)</b>			
Jona M. Bernal	Innovation Leadership Forum	10-23 January	Taiwan
Aristotle P. Carandang, Ph.D Arlene E. Centeno Robelyn M. Cruz	2016 American Library Association Annual Conference		Florida, USA
Richard P. Burgos	33rd Session of the Standing Committee on Copyright and Related Rights	13-19 November	Switzerland
Mona Carina E. Montevirgen	Annual Meeting of the Topical Group on Communication and Coordination with Integrated Parties and the Regional Workshop on National Stakeholders Mapping and on Transparency and Accountability	5-9 December	Japan
Framelia V. Anonas	Workshop on Communication with the Public During a Nuclear or Radiological Emergency	11-17 December	Japan
<b>Invited as Resource Persons</b>			
Alan C. Taule	Techno Forum on DRRM for Media 101	24-26 July	La Trinidad Benguet
Nelly B. Agpawa	STARBOOKS Training-Orientation	24 November	DOST IV-A
Aristotle P. Carandang, Ph.D	Media Training	05 December	DOST I
Framelia V. Anonas Henry A. de Leon	Project Development Officers' Documentation Training Seminar, 2nd STARBOOKS Workshop	28-30 November	Cagayan de Oro City, Misamis Or.





Regional Workshop on National Stakeholders Mapping (Japan)



Workshop on Communication with the Public During a Nuclear or Radiological Emergency (Japan)



Innovation Training for Personnel of DOST System and Partnership Institutions (Taiwan)

ALA Annual Conference  
Florida, USA







## FINANCE AND ADMINISTRATIVE DIVISION



**ARLENE E. CENTENO**  
Chief, Administrative Officer

### Accounting



**Cecille Rose B. Ramos**  
Accountant III



**Jean B. Arabes**  
Admin Officer IV



**Hannah T. Barientos**  
Admin Aide I

### Budget



**Jaqueline R. Cayamanda**  
Admin Officer V/Unit Head



**Maria L. Ardieta**  
Admin Asst. V (Cont.)

### Cashier



**Marites B. Pablo**  
Admin Officer V/Unit Head



**Cynthia L. Corcuera**  
Admin Assistant I

### Property



**Nenita G. Balbalosa**  
Admin Officer V/Unit Head



**Romulo S. Rodriguez**  
Admin Officer IV



**Jaime V. Reyes**  
Admin Officer IV

### Records



**Ma. Teresa M. Rosqueta**  
Admin Officer V/Unit Head



**Ladislao D. Quindoyos**  
Admin Asst. II (Cont.)

### Personnel



**Ma. Kristine B. Reyes**  
Admin Officer V



**Jose Herminio D. Sandoval**  
Admin Officer IV



**Melchelyn P. Limbaga**  
Admin Asst. II (Cont.)



**Ma. Rachel Diana S. Mesias**  
Admin Aide I



**Carlo D. Nebria**  
Admin Asst. II (Cont.)



**Charles Michael C. Maximo**  
Admin Aide IV (JO)



## Science Nation Tour

The Science Nation Tour (SNT) is a nationwide information, communication and promotions campaign for the Department of Science and Technology conceptualized and implemented by the Science and Technology Information Institute.

SNT serves as a vehicle to inform the different publics of the DOST on its various development projects and programs and innovations in areas like agricultural productivity, industry competitiveness, entrepreneurship, health, information and communications technology, e-governance, scholarships, and disaster risk reduction and management.

The SNT, as a special program, redefined the meaning of IEC. SNT packages science and technology as instruments of positive change meant to inspire, engage, and convert the Filipino, with the end in view of nurturing a culture of science.

The whole year of 2016 was witness to varied activities where STII actively led SNT together with different DOST agencies and regional offices, by providing IT and technical support, video and national media coverage, full documentation, and

logistical support that included live streaming, promotional collaterals, production of S&T publications; organizing press conferences; and mounting of exhibits.

SNT was full of different events that promoted S&T as a tool in achieving inclusive growth. These events included the following: technology forums; S&T stakeholders' night; regional inventions, contest and exhibits; launching of Food Innovation Centers; health research forums; scholars' summit; and participation in Regional Development Council meetings meant to bring S&T closer to the people.

The Science Nation Tours were conducted in the following regions:

- Region XII in General Santos City – 16-18 February
- Region VI in Iloilo City – 22-24 February
- Region V in Iriga and Legazpi City – 2-4 March
- Region III in Clark, Pampanga and Bulacan – 12-13 March
- Region IV-A in Batangas – June 8-10

Other complementary activities aligned with the Science Nation Tour were conducted in collaboration with different DOST agencies, institutes, and regional offices with assistance from, and in partnership with STII, as follows:

- Bayanihan sa Daan at SM MOA, Pasay with Hybrid Electric Road Train of MIRDC – 7 February
- Sipag Fiesta of PCAARRD in Los Baños, Laguna – 2-4 March
- Better Mines Groundbreaking Ceremonies in Compostela Valley – 14-16 March
- Science Journalism Writeshop in Calbayog, Western Samar for professional journalists – 29-30 March







- Technology Transfer Day at the Sofitel Philippine Plaza – 27 April
- DOSTv Launch at the PAGASA Grounds, Diliman, Q.C. – 30 May
- Groundbreaking of Pisay Campus in Dipolog, Zamboanga del Norte – 5 June
- Social Media Engagement and Workshop at Richville Hotel, Mandaluyong City – 22-23 June
- Launch of the DOST-MIRDC-PNR Hybrid Electric Train in Tutuban, Manila – 25 June
- Technology Transfer Day at Ormoc City Astrodome, Leyte – 14 September
- Launch of 1000th STARBOOKS Site in Calauan, Laguna – 21 September
- Investment Forum and FIC Visit at the Batangas State University – 6-7 October
- STAARRDEC-Sipag Fiesta of PCAARRD in Bacoor Government Center, Cavite – 21-24 November
- National Biotechnology Week at the Philippine Science High School and Bureau of Soils, Q.C. – 21-25 November

- WESMAARRDEC with Sipag Fiesta of PCAARRD Featuring Native Chicken in Zamboanga City – 21-23 November
- Mindanao Technology Transfer Day at the SMX, SM Lanang, Davao City – 13 December

To further boost the Science Nation Tour campaign, a digital promotions platform was created, namely the SNT website and Facebook page. These two digital platforms feature updates on the campaign, events schedule, and news from all 17 regions including NCR.

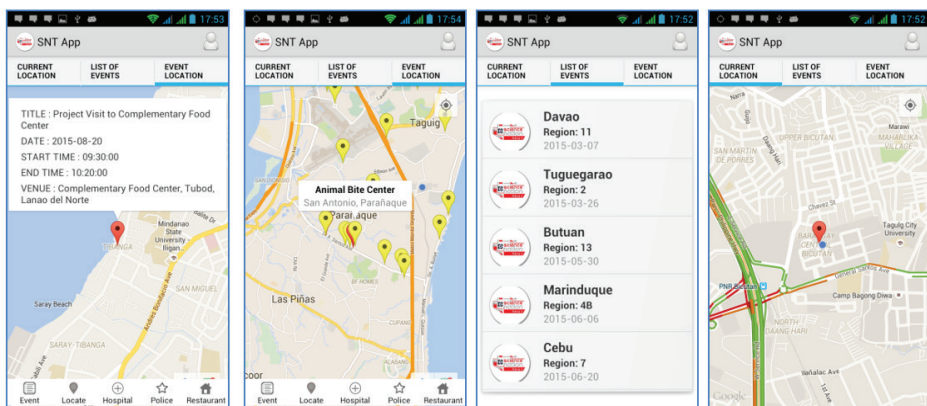
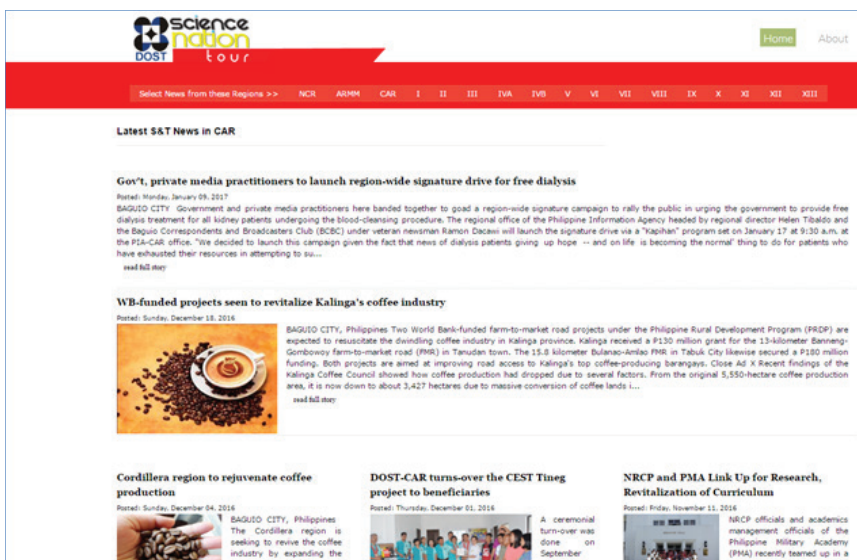
A mobile app for the DOSTv was also created as part of the Science Nation Tour campaign that will enable easier access by viewers to S&T videos and documentaries, weather updates, S&T news feeds, and features.





Science Nation Tour's ICT Intervention Project supports the establishment of an online corporate entity that will serve as an information gateway for the program. This includes the development of websites and applications for disseminating program related news and activities, and dissemination of information in general.

The Science Nation Tour website allows DOST agencies and regional offices and other partner institutions to post their news and announcements, making the site an exciting online SNT newpage. The Facebook page, meanwhile, allows sharing and posting of news and updates.



SNT Event Apps

## DOSTv

THE EMERGENCE OF S&T INFORMATION PORTAL ON THE WEB

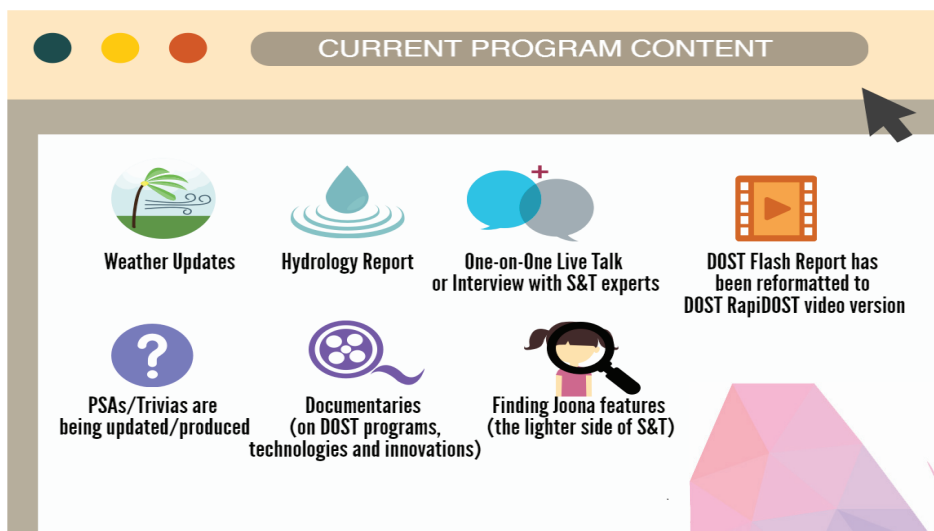
Talks about putting up a weather channel via television started in 2012. Construction of a studio (housed at the PAGASA grounds) and procurement of equipment materialized in 2015. A series of brainstorming and planning sessions for programming and content development also took place early 2016. Since negotiations were still ongoing for broadcasting over TV, DOSTv took the online platform – an equally potent emerging medium to broadcast its weather and science content.

Thus on May 30, 2016, DOSTv, the Filipino Weather Channel was born through a soft launch held at PAGASA in Quezon City, airing its pilot episode over the DOSTvPH website. Later, episodes also live streamed simultaneously via Facebook and YouTube. The first episode became top news in the local channels and earned positive feedback even from foreign weathercasters like Japan-based Robert Speta.

Meticulous planning and consultation with different stakeholders continued including the purchase of additional equipment for online broadcasting. Meanwhile content build-up to sustain a daily show intensified as well as training for studio personnel to perform documentation, production, editing, and broadcast functions.

DOSTv which broadcasts weekdays from 11am to 12 noon has completed 168 episodes by the end of 2016, and after seven months of broadcasting. Episodes are archived over YouTube where they can be viewed on demand.

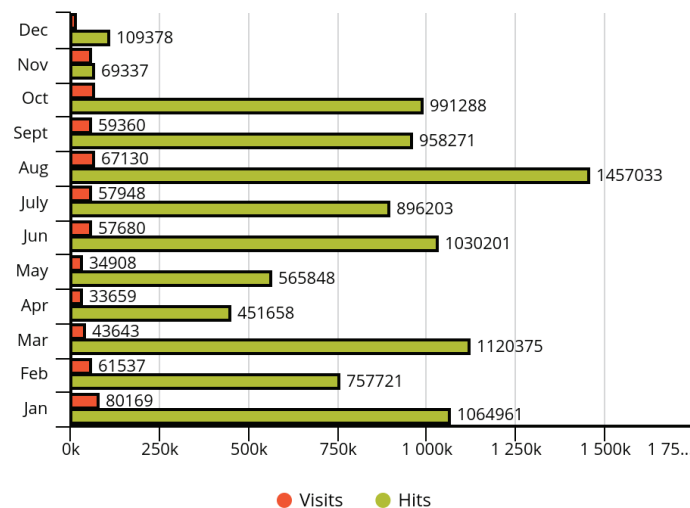
In terms of program composition the following were completed: 16 documentaries aired with occasionally reruns; 160 interviews/live talks; seven teasers; 10 PSAs /Bulletins/Trivia; and eight "Finding Joona" coverage features.



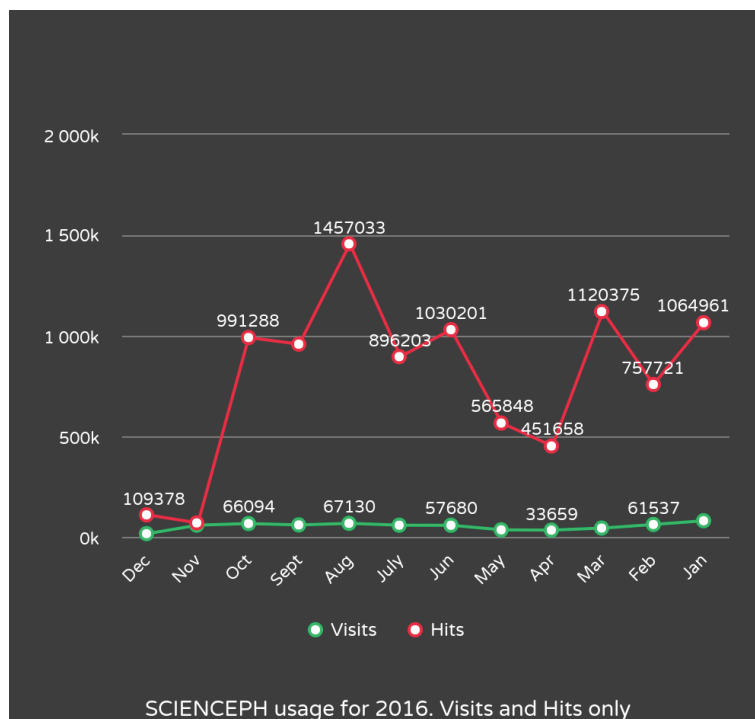


## SCIENCE.PH

science.ph project is a testament to the commitment of the Department of Science and Technology in promoting science and technology awareness in the Philippines. It is both a search engine and a free, comprehensive information website that contains "everything science" in the Philippines—hence the tagline "Science for every Juan."



SCIENCEPH usage for 2016. Visits and Hits only



SCIENCEPH usage for 2016. Visits and Hits only

## 2016 National Science and Technology Week

In keeping with the President Rodrigo Duterte's battlecry of "Change is Coming," the celebration of the National Science and Technology Week (NSTW) for 2016 broke from its traditional practice of holding the event in one central venue. In 2016, the NSTW became a DOST-wide "pistahang bayan" wherein each DOST agency and regional office held open house displays and festivity for the week. The celebration was in all of the science communities of Metro Manila, Quezon City, Los Baños, and Bicutan, the home base of STII.

To give the NSTW a little more push, we:

- uploaded the program of activities in the NSTW website and Facebook Page
- responded to queries in the NSTW Facebook page
- hired a drum and percussion ensemble to create a more festive atmosphere for the celebrations
- distributed T-shirts and promo bags as souvenirs
- contracted a live band to perform at Enchanted Kingdom where we distributed 2,000 copies of NSTW flyers.
- displayed 15-second NSTW video ads in the seaports of Iloilo, Bohol, Cebu Pier 1, Iloilo Fastcraft, Ormoc, and Bacolod; and in airports of Bacolod, Tagbilaran, Davao, Iloilo, Gensan, Legazpi, Naga, Kalibo, Zamboanga, and Puerto Princesa. We were also able to display billboard ads in 10 MMDA Infoboards for free.
- displayed 36 NSTW tarp banners in PNR stations (north and south bound), 20 in MMDA Pahayagan ng Bayan (along Quezon Ave and Commonwealth), NAIA Terminals 3 and 4, DOST Main Gate, MIRDC gate, Gate 4, and in Landbank.
- displayed promotional banners along the Alabang-Pasay Road and in Enchanted Kingdom, and in DOST agencies and regional offices; and
- gave away a total of 500 tokens for promotions.

We likewise assisted the DOST-Technology Application and Promotion Institute in fielding NSTW-related inquiries through its NSTW Email Administrator which was rated "Best" in the category of "Responding to Inquiries" by respondents.





# Promotional Activities

## NSTW related articles

### PRINT



JUNE 13–AUGUST 15, 2016



44

Recorded NSTW-related articles that were published in different print media platforms

### ONLINE



JUNE 27–AUGUST 27, 2016



113

Monitored NSTW-related posts in different media sites.

## Radio

### Promotion via Interviews



JULY 3–31, 2016



12

Monitored Radio stations that conducted NSTW-related interviews.



7

Monitored TV stations that conducted NSTW-related interviews.

### Promotion via TV Guestings and Interviews



JULY 13–  
JULY 29, 2016

Monitored TV stations that conducted NSTW-related interviews.

7



JULY 25–  
JULY 29, 2016.

conducted interviews to DOST officials

18

## Online



NSTW Website  
Facebook Page

## Promotions Thru Mix Media & Events

Souvenirs  
Drumbeaters

Live  
LED Ads

Banners  
Secretariat



## DOST Media Core

### SOCIAL MEDIA COMMUNICATION

The world of information and communications has become both bigger and smaller at the same time. The volume of information is tremendous and it increases in a lightning speed while the communication universe is getting smaller because of technology.

To help DOST agencies and offices capitalize on the benefits of this form of communication using the digital platform, we conducted the Social Media Engagement seminar on June 22–23, 2016 at the Richville Hotel, Mandaluyong City. Participants were officials and information officers of DOST agencies, councils, institutes, and regional offices.

The seminar was held in partnership with Puzzled Owl, a consultancy firm. Speakers included STII Director Richard P. Burgos, STII-CRPD Chief Dr. Aristotle P. Carandang, Jonas R. de los Reyes of Socialytics Inc., Regina L. Rosero, Rocel Ann Junio of Doctors Without Borders, Timothy James Dimacali of GMA News Online, Ana P. Santos of Rappler, Dr. Jose V. Camacho Jr. of the UPLB Graduate School, Dr. Ma. Theresa H. Velasco of the UPLB College of Development Communication.

The first part of the seminar tackled the following topics: DOST Identity and Branding, Social Media Manners, Planning and Packaging Social Media Behavior, Creating Compelling Stories for Social Media, and Responsible Media Use and Awareness.

The second part was devoted to reviewing and analyzing the current DOST social media practices of the different attached agencies: PCAARRD, PCHRD, PCIEERD, FNRI, FPRDI, ITDI, PTRI, ICTO, PAGASA, PHIVOLCS, PSHS, SEI, STII, TAPI, NAST, NRCP, and the Regional Offices.

The speakers shared their comments and suggestions to improve the participants' Facebook pages and websites in terms of uniformity, branding, standard content, and form. Further, the seminar was able to stress the importance of creating a social media strategy that include, among others, a communication calendar, creating interesting content and value-added stories, and interesting videos and images.







## MS DEVELOPMENT COMMUNICATION PROGRAM

This year, along with the DOST Media Core, our drive for DOST's approval and funding for the MS Development Communication program under the DOST-Human Resource Development Program finally came into fruition. There are now 16 scholars from various DOST agencies and they have started their classes in July 2016. This is a special off-campus Saturdays-only program in collaboration with the UPLB College of Development Communication.





## Handog ng Agham Para sa Bayan Radio Drama Series

One potent medium that STII used this year was radio, a time tested communication tool that has mass appeal and wide audience reach. This year, we explored the use of the radio to deliver S&T messages and information from the barrios to the cities.

We partnered with the popular radio station DZRH of the Manila Broadcasting Company to produce "Handog ng Agham para sa Bayan", a radio drama series that started airing on October 23, 2016 as a

segment of the primetime radio program "Radyo Henyo" anchored by Angelo Palmones and Ruby Cristobal every Sunday at 4:00-5:00 pm.

The drama series featured success stories of individuals whose lives were made better by science and technology.

The main character was Inno, for "innovation", the "DOST man" who acts as the storyteller of the drama series directed by Salvador M. Royales. The drama series ran a total of 13 episodes each, with 10-12 minutes of air time. At the end of each episode, a resource person discussed the topic at hand that provided more information and insights to the listeners.

Title/Topic	Synopsis	Interviewee
23 October 2016		
<i>Pagpupunyagi Laban sa Karukhaan</i> Scholarship at DOST-PSHS	A bright boy named John Robert Pecayo from an urban poor family saw a brighter future after he qualified for scholarship at the DOST-Philippine Science High School or Pisay.	The Godchildren scholars (PSHS Alumni Association supervised by Charles Joseph de Guzman (PSHS-Main))
30 October 2016		
<i>Abutin ang Pangarap</i> Irradiated carrageenan plant food supplement	A farmer realized the gains of S&T when his produce increased dramatically after using carrageenan plant food supplement, a DOST-developed technology.	Dr. Gil Magsino National Crop Protection Center - University of the Philippines-Los Banos
06 November 2016		
<i>Matang Lumilipad</i> Diwata-1	The grit and genius of young Filipino engineers who developed Diwata-1, the first Filipino-made microsatellite were important elements in developing the country's first microsatellite. The story centered on Kaye, one of the nine Filipino engineers and DOST scholar sent to Japan to study and develop Diwata-1.	Engr Alvin Retamar Chief Solutions and Services Engineering Division DOST- ASTI
13 November 2016		
<i>Laging May Pag-asa</i> DOST Support for Inventors	A jeepney driver named Melchor Heñosa, a high school dropout, invented an anti-car leak device, proving that an imaginative mind and real concern to solve the problem on road safety could lead to technological innovation, regardless if one had a diploma or not.	Mardinio Azores Inventor Automatic Egg Incubator
20 November 2016		
<i>Bukas Palad</i> SETUP	A wine- and-vinegar-producing tribe in Zamboanga that adopted food processing technology improved production resulting in higher income.	Jocelyn Chua President Buug Subanen Workers Association



# SPECIAL ACTIVITIES



27 November 2016		
<i>Storm Chasers</i> PAGASA Storm Chasers	The drama of chasing the eye of the storm and being in it gives this episode a different kind of thrill.	Robert Quinto DOST-PAGASA Storm Chaser Coordinator
04 December 2016		
<i>Farmer Troy</i> SETUP National Winner Trophy Farms	Military officer turned agripreneur Troy Bumagat is a new SETUP adoptor but won as the National Best SETUP Adoptor for 2016. SETUP recognized his innovations that helped him achieve “environmental farming” (clean poultry area and environs, turned chicken dung into superior inoculant, and other initiatives)	Troy Bumagat CEO Trophy Farm Supplies and Best SETUP Adoptor 2016
11 December 2016		
<i>Magic Box</i> RxBox	RxBox helped patients in a remote community get access to services of specialists located in the city, thereby helping save lives. This proves that healthcare in a distance can be made possible through the RxBox.	Portia Grace Marcelo Director National TelehealthCenter, UP Manila
18 December 2016		
<i>Complementary Food Technology</i> <i>Commercialization</i>	Racky Doctor adopts food technology from FNRI to pursue his advocacy of helping reduce malnutrition while also doing good business.	Racky Doctor President Nutridense Food Manufacturing Corporation

## Junior Science Odyssey

The 5<sup>th</sup> ASEAN Plus Three Junior Science Odyssey (APTJSO), organized by the DOST-Science Education Institute (SEI), was held June 13-17 at the University of the Philippines – Los Baños Laguna.

The APTJSO is an annual educational event for young students aged 13-15 years old. It aims to develop the gifted and talented young individuals to excel in the field of science and technology; and seeks to nurture future scientists and engineers, while providing students an opportunity to foster friendship and networking in the APT region.

The event was participated in by 78 gifted students and 26 coaches from Brunei Darussalam, Cambodia, China, Indonesia, Korea, Laos, Malaysia, Myanmar, Philippines, Sweden, Chinese Taipei, Thailand, and Vietnam.



The STII team was involved in the conceptualization up to the execution stages of the pre-and-post publicity activities of the event. STII writers, photographers, and videographers covered and published news stories for the event.

## LEAP

The Lake Ecosystem Assessment in the Philippines (LEAP), organized by the DOST-National Research Council of the Philippines (NRCP), is a multi-agency endeavor led by the NRCP in collaboration with the University of the Philippines Los Baños-School of Environmental Science and Management (UP-SESAM) which is intended to come up with policy recommendations toward a more sustainable management of the Laguna Lake.

The LEAP workshop gathered over 250 stakeholders composed of fisherfolks, local and foreign academicians and scientists, government organizations, non-government organizations, representatives from the legislature, and students.

In the two-day forum held November 22-23, LEAP was able to tackle 12 scientific presentations of research updates on various issues, specifically on the ecological and socio-economic status of Laguna de Bay. Among the issues discussed were the following: geophysical baselines, water quality, fisheries, tourism and other ecosystem services, socio-economics, research frontiers, institutional and legislative matters.



Fernando C. Sanchez, Jr, UPLB Chancellor. (source: <https://sesam.uplb.edu.ph/news-events/126-laguna-lake-main-focus-of-the-leap-forum>)

STII came up with several popularized stories on researches as part of pre-event publicity. It also rendered assistance in the documentation of the event.



## National Biotechnology Week

**T**he 2016 National Biotechnology Week (NBW) took a significant turn as far our involvement in the annual event is concerned.

First of all, the 2016 celebration was the first NBW event covered by DOSTv, the Filipino Weather Channel produced by STII.

DOSTv aired footages of the different activities during the event held November 21-25 at the Bureau of Soils and Water Management (BSWM) in Quezon City and the Quezon City Hall. These were the Opening Ceremony at the BSWM Convention Hall, the ribbon-cutting ceremonies which formally opened the trade fair and bazaar at the Quezon City Hall and the techno exhibits at BSWM, press conference, the various DOST booths and forums, and the Closing Ceremony also held at the BSWM Convention Hall.

Second, it was also the first time that STII's Science Journalism for Campus Journalists Writeshop was included in NBW's lineup of activities. STII had been conducting the writeshop since 2015, either onsite at its Bicutan office or in universities around the country as well as in the National Science and Technology Week venue. Its inclusion in the 2016 NBW – with emphasis on biotechnology – promises its yearly conduct as part of NBW in order to regularly acquaint future S&T reporters with ways to better communicate biotechnology to the general public.

Other than these developments, STII took an active role in covering NBW by providing photo and video support and helping in its promotion. Specifically, the Institute released a total of 15 articles and photo captions and 4 FB posts, aside from its DOSTv airings.

Once again, the STII-developed STARBOOKS was among the technologies exhibited during the event. Copies of STII publications S&T Post, DOST Digest, and RapiDOST were also handed out to exhibit goers at the STARBOOKS booth.



## 23<sup>RD</sup> National Inventors Week

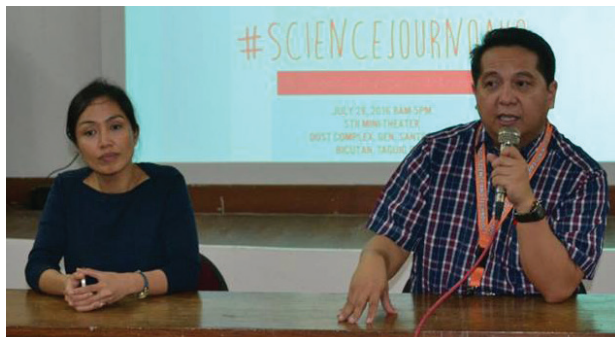
This year, the Filipino inventors showcased their creativity and innovativeness with a weeklong celebration of the 23rd National Inventors Weeks (NIW) from November 21-25, 2016 held at the DOST Complex, Bicutan, Taguig City.

The Technology Application and Promotion Institute of the DOST is the lead agency that supports the Filipino inventors particularly in securing patents and licenses for their inventions. To create awareness and promote local inventions, we provided full support to the NIW celebration with video coverage, documentation (press releases) and media promotion of the events like business forums, exhibits, seminars and other related activities.

STII also provided media exposure, through its network of media contacts both from regional and national news agencies, during the Grand Inventrepreneurs Fellowship Banquet Celebration held on November 22, 2016 at 55 Events Place in Quezon City. This event was hosted by the Filipino Inventors Society Producers Cooperative, a national organization of Filipino inventors working closely with DOST-TAPI.







## Science Journalism Writeshop

A year after its official launch, STII's Science Journalism Writeshop became prolific in 2016 with the conduct of writeshops in four separate occasions.

The first one was held last January 19 to 21 at Batangas State University (BatSU). Communication students and campus journalists from various BatSU campuses learned basic knowledge in writing accurate and effective science stories. Dr. Aristotle P. Carandang, chief of Communication Resources and Production Division of STII; Timothy James M. Dimacali, editor of GMA News Online SciTech

section; Shaira M. Panela, science writer from Rappler; Angelo B. Palmones, radio anchor at DZRH and former AGAHAM Party-List representative were among the resource persons.

On April 28-30, professional journalists from various provinces in Samar Island and communication students sharpened their writing and broadcasting skills by enriching their reportage with science-based elements. This was during the conduct of science journalism writeshop in their hometown. In this workshop, we partnered with the local government of Calbayog City, Calbayog Tourism Office, DYOG-Radyong Bayan, and the National Grid Corporation of the Philippines. Dr. Aristotle P. Carandang; veteran radio broadcaster Mario Garcia; Timothy James M. Dimacali; and Rafael Reyes of Project NOAH were the resource persons who inspired the participants to report on disaster preparedness accurately and responsibly.

During the National Science and Technology Week 2016 celebration in July, we conducted the journalism writeshop titled "#Sciencejournoko". It focused on writing effective and accurate stories in the field of agriculture and health. There were 53 communication and journalism students from 12 universities and colleges around Metro Manila and nearby provinces that participated. Dr. Aristotle P. Carandang; Joel Adriano, science editor of SciDev.net; and Lea Barrona Cruz, communication specialist from the International Rice Research Institute (IRRI) were among the resource persons. During the writeshop, STII invited subject matter experts in agriculture and health to discuss their respective projects/technologies which were the topics of the writeshop.

The last writeshop for the year was held during the celebration of National Biotechnology Week 2016 on November 23. Held at the Philippine Science High School System main campus in Quezon City, the writeshop focused on communicating biotechnology. Participants were 23 students from six selected universities and colleges that attended. Dr. Crispin C. Maslog, consultant from Asian Institute of Journalism and Communication; Timothy James M. Dimacali; and Stephen Joel C. Paredes, Program Director, Biotechnology for Life Media and Advocacy Resource Center thrilled the participants with their insights and experiences in their careers.



## 44<sup>th</sup> Atomic Energy Week

The Atomic Energy Week is celebrated every first week of December as mandated under Presidential proclamation No. 1211 in 1973. Led by the DOST-Philippine Nuclear Research Institute, the annual AEW celebration aims to make Filipinos aware of the beneficial uses of nuclear science and technology in food and agriculture, industry, medicine and the environment.

This year's theme was "Teknolohiyang Nukleyar para sa Kaunlaran ni Juan" and STII provided support to PNRI once again in featuring the latest advances in nuclear science and technology in the country in the fields of agriculture, industry, medicine, and the environment. The opening program was covered through photo and video documentation, and by STII writers.





## A PEARL OF GREAT PRICE

# GENDER AND DEVELOPMENT

The year 2016 ushered in the Gender and Development (GAD) program in STII with a fresh image of harmony and wellness as a must-have institutional value. Reconstituting its GAD Focal Point System that was created in 2013 in line with new STII officials and staff, STII continues to provide all the support necessary to ensure GAD operations are implemented.

Institutionalized in government budgets and with its legal framework in place, GAD centers on two key messages, namely, 1) assessing policies and programs in terms of gender responsiveness and gender-based impact and 2) developing a system of gender-disaggregated data collection, processing, and dissemination. These goals are reflected in the Enhanced Gender Mainstreaming Evaluation Framework (GMEF) under four entry points: policy, people, enabling mechanisms, and in programs, projects, and activities.

STII remains GAD-strong in the following:

- Mainstream staff participation (since 1993)
- Up to date in workshops/trainings/seminars/general assemblies (since 1994)

STII has maintained a tradition that recognizes the value of a person, being non-discriminatory, and pro-gender equality in terms of participation in the formulation, implementation,

Reconstituted STII Gad Focal Point System	
CHAIRPERSON:	Time Period
Raymund E. Liboro, STII Director	November 2013 to March 2016
Richard P. Burgos, STII Director	March 2016 to present
EXECUTIVE COMMITTEE:	
Arlene E. Centeno, FAD Chief	2013 to present
Aristotle P. Carandang, CRPD Chief	2013 to present
Alan C. Taule, IRAD Chief	2016
TECHNICAL WORKING GROUP:	
GAD TWG Chairperson:	
Benedict P. Cagaanan, Supervising SRS/Planning Officer	2013 to present
Members:	
Maribel B. Palafox, Supervising SRS	2013 to present
Teresa M. Rosqueta, Admin. Officer V	2016
Cecille Rose B. Ramos, Admin. Officer V	2013 to present
Marievic V. Narquita, Science Research Specialist II	2013 to present
Haziel May C. Natorilla, Science Research Specialist II	2016
Jona M. Bernal, Admin. Assistant III	2016
Joy M. Lazcano, President, Employees Association	2013 to present

and evaluation of plans. STII's oldest record reveals active participation in GAD activities since March 9, 1993 in consonance with Republic Act No. 7192 – An Act Promoting the Integration of Women as Full and Equal Partners on Men in Development and Nation Building and For Other Purposes.

Dr. William G. Padolina, then Officer-in-charge of the DOST Office of the Secretary, required all division chiefs of DOST agencies and councils to attend an orientation seminar as "*this is the initial step towards the development of S&T plans and programs with special focus on women as beneficiaries.*"

In 1994, Usec. Amelia C. Ancog, Chairperson of the DOST Focal Point for Women Concerns, enjoined all agency heads to give serious attention and support by incorporating gender-responsive policies in their agency programs, and to provide sufficient institutional mechanism such as staff and equipment to assist their respective focal point representative. STII was then represented by Ms. Victoria B. Bartilet, CRPD Chief. In 2000, the creation of a Technical Working Group to Formulate the DOST-Wide GAD Plan for 2001-2004 was made. STII was then represented by Ms. Rosie R. Almocera, Senior SRS. Since then, a tradition of having a DOST-Wide Technical Working group was implemented. By 2010, the Pilot Testing of the Tool for Assessing the Gender Responsiveness of DOST Technologies, along with other trainings connected to GAD, were launched, both in-house sponsored, and DOST-wide. STII also participates in the Women's Month and other related activities yearly.

GAD remains a pearl of great price to STII as it seeks to grow an ongoing, developing concept within the organization. This year it piloted a survey on at least 10% of STII's staff (via convenience sampling, retrieval rate, 100%). Here, STII identified the present level of knowledge, attitudes, and practices when it came to gender and development. It covered topics such as:

- perceived relevance of gender issues



- self-assessment of gender mainstreaming capacities
- training and capacity development needs
- gender in the organizational culture
- sustainability

Following shortly was a close examination of how STII fared with respect to the Enhanced GMEF from the 2009-2016 timeline. In reinvestigating the GAD themes and exploring what has been done vis-à-

vis suggested actions in an evidence-based manner in the manual, STII's overall rank stands at Level 2 – Installation of Strategic Mechanisms, under the Enhanced GMEF scoring criteria.



# Networking and Linkages

We maintain our linkages with the following institutions and organizations:

	The Nutrition Research Information Network (NUTRINET) is composed of institutions whose libraries linked up to form a specialized information system in nutrition and related fields.
	The Medical and Health Librarians Associations of the Philippines (MAHLAP) uplifts and promotes the development of medical and health libraries and librarians in the Philippines.
	The Philippine eLib is a collaborative project of the National Library of the Philippines (NLP), University of the Philippines (UP), Department of Science and Technology (DOST), Department of Agriculture (DA), and the Commission on Higher Education (CHED). The project hopes to provide for the information needs of all sectors of society in a convenient, affordable, and efficient way of delivery.
	The DOST Science and Technology Information Network of the Philippines (SciNET-PHIL) is a network of all the libraries and information centers under the Department of Science and Technology (DOST), including the regional offices and the Provincial S&T Centers (PSTCs).
	Philippine Association of Science Journalists, Inc. The Philippine Science Journalists Association, Inc is a non-stock, non-profit association of media practitioners, S&T communicators, and advocates committed to create a science consciousness and culture among Filipinos.
	Publishers Association of the Philippines, Inc. The Publishers Association of the Philippines, Inc is a professional organization dedicated to the defense and promotion of press freedom and to the lofty ideals of journalism as a public service especially in the countryside.
	Kapisanan ng mga Brodkaster ng Pilipinas The Kapisanan ng mga Brodkaster ng Pilipinas (KBP) is a non-government, non-profit organization of the broadcast media in the Philippines. Its aims include the promotion of an independent and free broadcast media, responsible broadcasting, enhanced public service by broadcasters, advancement of innovation in broadcasting, and the development of Philippine broadcasting.
	DOST Media Core The DOST Media Core is an organized network of information and promotions managers, and science communication specialists and practitioners in the DOST system.
	DOST Webmasters Consortium The DOST Webmasters Consortium is the association of IT personnel, MIS staff or other representatives from different DOST attached agencies/offices and DOST Media Core committed to making DOST website contents accessible to everyone, and implement good governance and high standard for managing and maintaining the members' respective websites.
<b>Partnerships</b>	
	Department of Information and Communication Technology
	Department of Education
	Children's Hour
	Samsung
	NCCA
	Smart CSR



## OFFICE OF THE DIRECTOR



**Jona M. Bernal**  
Admin Assistant III



**Avegail T. Canonce**  
Admin Assistant I



**Lotuslei D. Dimagiba**  
PDO II



**Marilyn C. Villamero**  
ISR III





## STII Employees' Association

In 2016, the Science and Technology Information Institute Employees' Association (STII EA) was instrumental in STII's action to enhance its employees welfare and workplace condition and relations.

At the start of the year, the anniversary celebration was organized thru various activities including a mini-bazaar where employees can buy and also sell their own products, and a wellness massage and spa to ease employees' stress. The celebration was capped with a thanksgiving mass and a feast for employees to enjoy.

To celebrate the Employee's Day, the STII EA organized a mini-sportsfest to promote a healthy lifestyle and camaraderie among employees. Employees had a field day playing local games such as "paltok-bola", life-size board games, and bowling.

In close partnership with the STII Management, STII EA initiated a seminar-series to re-orient employees on the different administrative guidelines such as HR Policies,

taxation, and others. The STII EA also helped in pushing for the equitable grant of some employees benefits, including the signing of the agency HMO.

The STII EA also continues to develop, through various trainings and activities, the STII Emergency Quick Response Team that will provide medical and disaster preparedness assistance to employees. Members of the QRT serve as point persons in conducting emergency evacuation drill in the workplace, ensuring an effective and comprehensive approach to disaster preparedness.

The STII EA also serves as the Institute's ally in implementing policies that promote good governance as it sits in various committees such as the Bids and Awards committee, Promotion and Selection Board, STII Program on Awards and Incentives for Service Excellence Committee, and Performance Management Group, among others.

The STII EA also heads the STII's Grievance committee which receives employee grievances, studies the cases, and gives its opinion and recommendation as a body.





National Women's Month parade



DOST Merry Mix



DOSTv Turn-over Ceremony



STII Team Building



STII Team Building

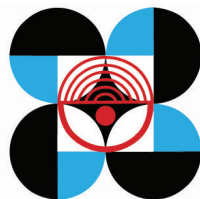


STII Christmas Saya



STII Team Building





# **SCIENCE AND TECHNOLOGY INFORMATION INSTITUTE**

DEPARTMENT OF SCIENCE AND TECHNOLOGY  
DOST COMPLEX, BICUTAN, TAGUIG CITY, METRO MANILA, PHILIPPINES