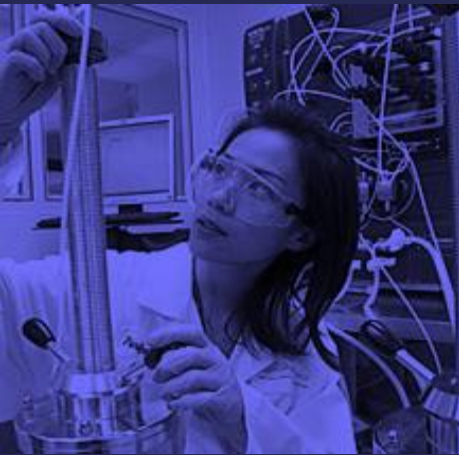


# SCIENCE AND TECHNOLOGY PROGRAMS AND PROJECTS IN THE REGIONS

**Prime-moving regional and countryside  
development with equity**



# Presentation Outline

- **An Introduction to DOST**
- **Regional S&T Programs and Projects and Possible Areas of Collaboration**
- **One Expert**

# An Introduction to DOST

# DOST Timeline



**1958**

**National  
Science  
Development  
Board  
(NSDB)**

**1982**

**National  
Science  
and  
Technology  
Authority  
(NSTA)**

**1987**

**Department  
of Science  
and  
Technology  
(DOST)**

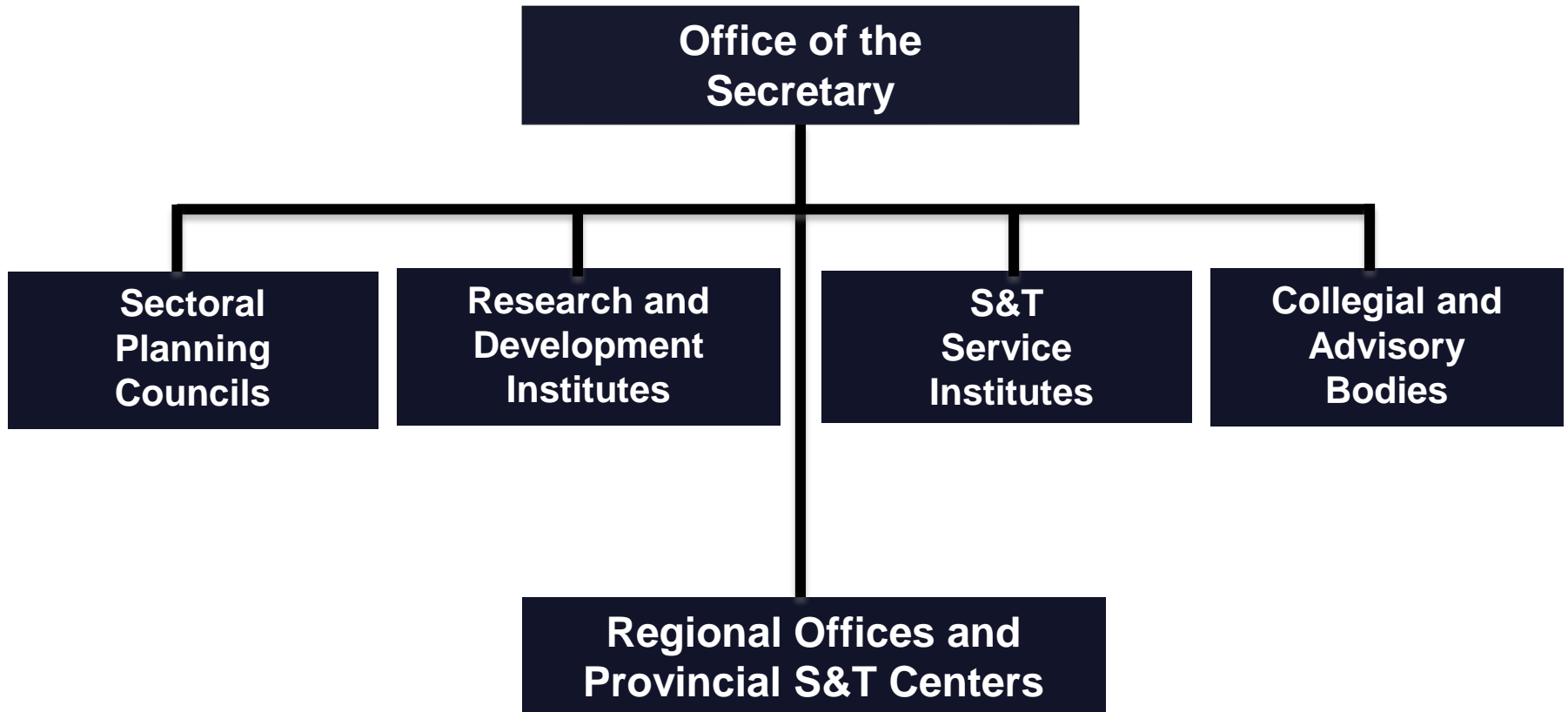
# Mandate

---

**Providing central direction, leadership, and coordination of all science and technology activities in the country; and,**

**Formulating S&T policies, programs, and projects in support of national development priorities.**

# DOST Organizational Structure



# Sectoral Planning Councils



- **Philippine Council for Agriculture, Aquaculture, Forestry and Natural Resources Research and Development (PCAARRD)**



- **Philippine Council for Health Research and Development (PCHRD)**



- **Philippine Council for Industry, Energy and Emerging Technology Research and Development (PCIEERD)**

# R&D Institutes (RDIs)



- ❑ **Advanced Science and Technology Institute (ASTI)**
- ❑ **Food and Nutrition Research Institute (FNRI)**
- ❑ **Forest Products Research and Development Institute (FPRDI)**
- ❑ **Industrial Technology Development Institute (ITDI)**
- ❑ **Metals Industry Research and Development Center (MIRDC)**
- ❑ **Philippine Nuclear Research Institute (PNRI)**
- ❑ **Philippine Textile Research Institute (PTRI)**



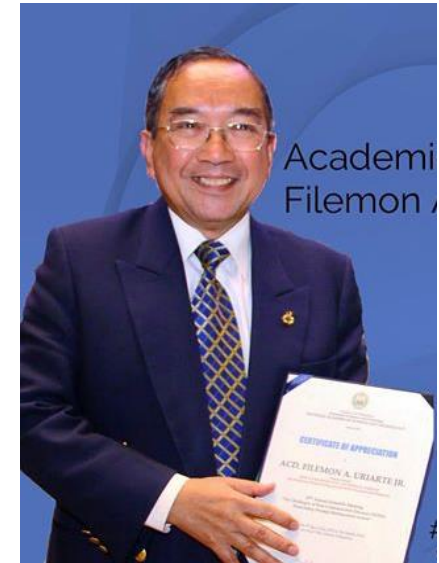
# S&T Service Institutes



- ❑ **Philippine Atmospheric, Geophysical and Astronomical Services Administration (PAGASA)**
- ❑ **Philippine Institute of Volcanology and Seismology (PHIVOLCS)**
- ❑ **Philippine Science High School (PSHS)**
- ❑ **Science Education Institute (SEI)**
- ❑ **Science and Technology Information Institute (STII)**
- ❑ **Technology Application and Promotion Institute (TAPI)**

# Advisory and Collegial Bodies

- ❑ **National Academy of Science and Technology (NAST)**
- ❑ **National Research Council of the Philippines (NRCP)**



# Regional Offices and Provincial Science and Technology Centers

- 17 Regional Offices (CAR, 1,2,3, 4A, 4B, NCR, 5, 6, 7, 8, 9, 10, 11, 12, CARAGA, NIR)



# S&T Programs and Projects in the Regions

# Science and Technology Functional Areas and S&T Programs at the Regional Level

**Community  
Empowerment  
through  
Science and  
Technology  
(CEST)**

**Research and Development**

**Technology Transfer and  
Commercialization**

**Science and Technology  
Services**

**S&T Human Resource  
Development**

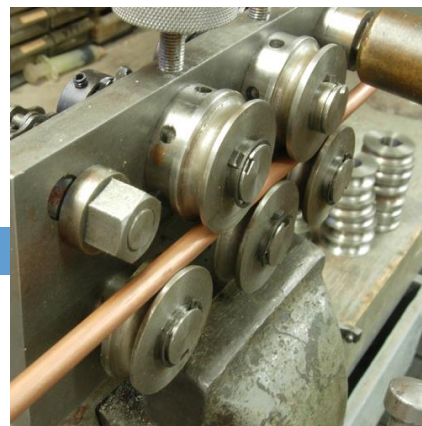
**Disaster Risk Reduction and  
Management**

**S&T Advocacy, Promotion and  
Linkages**

**Small  
Enterprise  
Technology  
Upgrading  
Program  
(SETUP)**

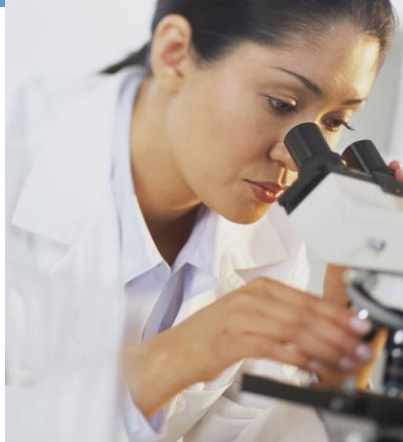


# Small Enterprise Technology Upgrading Program (SETUP)



**Enhancing the competitiveness of micro, small and medium enterprises (MSMEs) through technological interventions.**

# Areas of S&T Intervention



**Product quality improvement**  
**Process improvement**  
**Human resources development**  
**Cost minimization**  
**Waste management**  
**Other operations-related activities**



# Priority Sectors

**Food  
Processing**



**Gifts, Decors  
and Handicraft**



**Metals and  
Engineering**



**Agriculture  
Marine  
Aquaculture**



**Furniture**



**Information and  
Communications  
Technology (ICT)**



**Pharmaceuticals,  
Health and  
Wellness Products**



# Technology Transfer

- **Technology matching, transfer and commercialization from various technology suppliers such as DOST, academe and private sector.**
- **Seed fund available for selected and qualified MSMEs i.e. Innovation System Support Fund.**

# Consultancy and Technical Services

- **Manufacturing Productivity Extension Program (MPEX), Consultancy for Agriculture/Aquaculture Productivity Enhancement (CAPE), Cleaner Production (CP), Energy Audit and Efficiency and Food Safety Consultancy**
- **Technology Trainings**
- **S&T Experts Volunteer Pool Program**
- **Technology Trainings**
- **Product Packaging and Labeling**
- **One Expert**

# Laboratory and Testing Services

- **Chemical and Microbiological Testing. Metrology services/calibration.**
- **All laboratories certified compliant to ISO/IEC 17025:2005 standards.**
- **Onelab: One-stop-shop integrated network of laboratories.**



**OneLab**

**One DOST. One Network. Nationwide.**

# Food Innovation Centers

- Specialized centers for food product development.
- Showcases locally-developed equipment, e.g. water retort, spray dryer, vacuum fryer.
- Also offers support services e.g. sensory evaluation, knowledge center, trainings, consultancies, etc.



# Market Development

The screenshot displays the ONE STORE e-commerce website. At the top, there is a search bar and navigation links for My Account, Shopping Cart, Checkout, and Contact Us. Below the navigation is a category menu with tabs for Agriculture, Food, Furniture, Handicrafts, Metals and engineering, and Others. The main content area features a grid of product images, including:

- Premium Pineapple Vinegar
- Golden Yield Vegetable-Enriched Noodle
- Premium Egg Noodles
- Apple M
- Fruit Wine
- Gracia's Cornick (Hot Spicy and Garlic Flavors)
- LUNIS ADOBONG IVATAN
- PRINCESS Cassava Cake
- RICE MONGO CRUNCHIES
- SMF FOOD PRODUCTS Sweet Coated PEANUT
- SABTANG CRUNCHY GARLIC

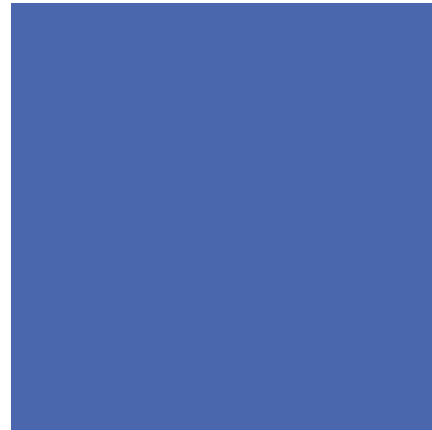
Below the product grid, four individual product listings are shown with their respective discounts and prices:

Product	Discount	Original Price	Current Price
RIMO Instant Baby Food Blend	-20%	₱7.50	₱6.00
POST HANGER	-0%	₱1,200.00	₱1,200.00
RIMO Curls	-20%	₱10.00	₱8.00
Pastel	-7%	₱150.00	₱140.00

- The DOST One-Store is an e-commerce site intended to assist MSMEs in marketing their products online.



# Community Empowerment Through Science and Technology (CEST)



**Holistic approach in developing pilot communities by addressing development constraints through science and technology.**

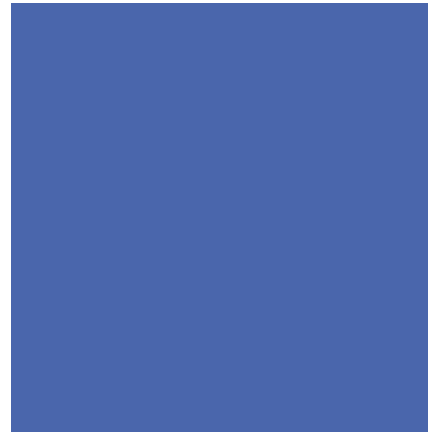


**CEST communities are provided with the following support:**

- 1. Livelihood/Economic Enterprise Development**
- 2. Health and Nutrition**
- 3. Basic Education and Literacy**
- 4. Water and Sanitation**
- 5. Disaster Risk Reduction and Climate Change Adaptation**



# Disaster Risk Reduction and Management



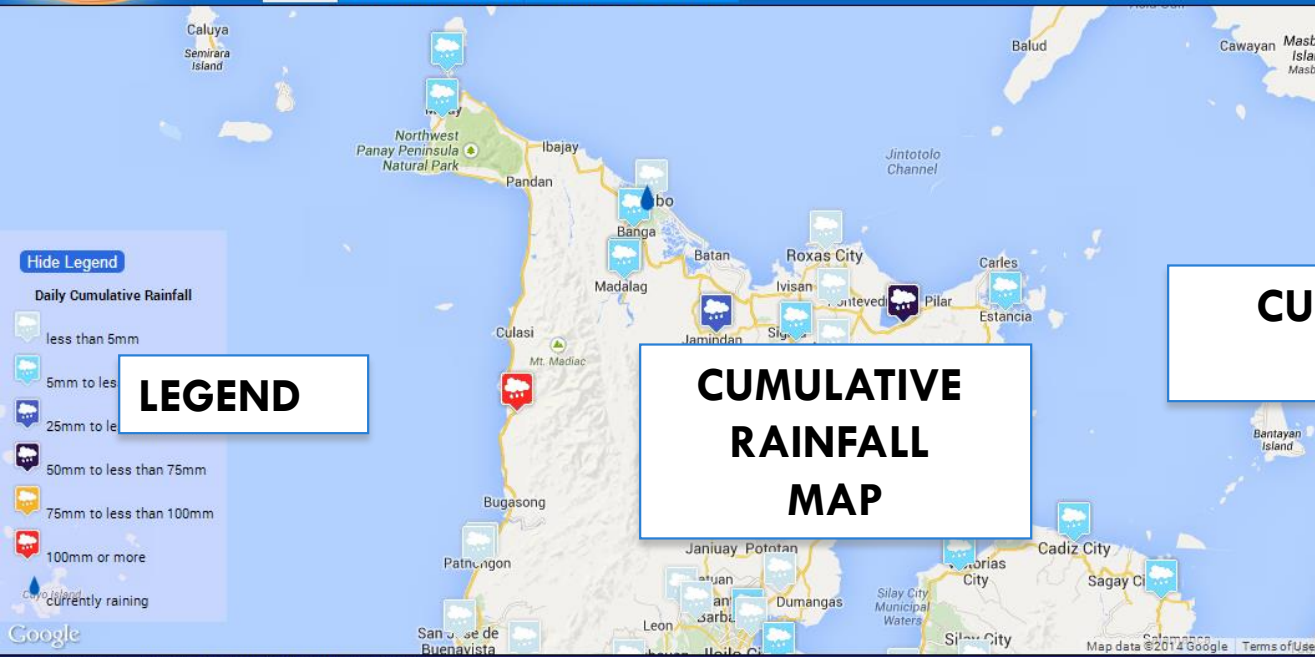
- **Deployment and Maintenance of Automated Weather/Hydromet Monitoring Equipment and Weather Monitoring Portals.**
- **Support to RDRRMC.**
- **Support to PAGASA and PHIVOLCS programs and projects.**





# WESTERN VISAYAS BANTAY PANAHON

Home Rainfall Monitoring Waterlevel Monitoring

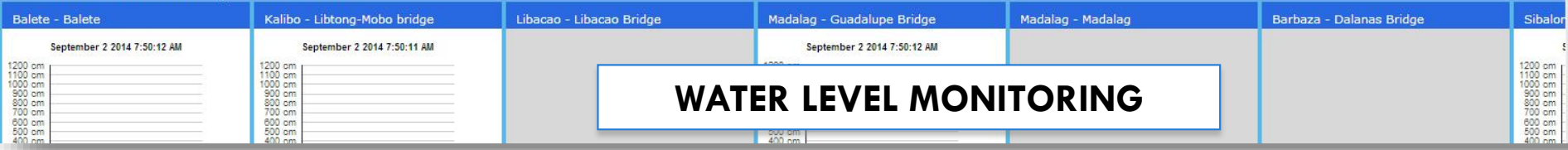


Rainfall		08/30/2014	
Server DateTime	09/02/2014 11:00		
Total Devices	78		
Loaded	78		
Akian	Time (HH:MM)	Rain Value (mm)	Cumulative (mm)
Altavas - Altavas	07:45	0.20	5.80
Banga - Banga	07:45	0.00	1.54
Kalibo - Kalibo Capitol Plaza	07:50	0.00	18.00
Libacao - Libacao Bridge	07:45	0.00	14.20
Madalag - Guadalupe Bridge	07:45	0.00	6.00
Madalag - Madalag Plaza Poblacion	07:45	0.00	6.00
Malay - Kabulihan Sanitary Landfill, Brgy.	07:45	0.00	6.00

## CURRENT & CUMULATIVE RAINFALL DATA

Patnongon	Time (HH:MM)	Rain Value (mm)	Cumulative (mm)
Patnongon - Patnongon Plaza	07:45	0.00	2.40
San Jose - Provincial Engineering Compound	07:45	0.00	1.80
Sebaste - Brgy. Nauhon	07:45	0.00	0.00
Capiz	Time (HH:MM)	Rain Value (mm)	Cumulative (mm)
Maayon - Brgy. Tapulang	07:45	0.00	1.40
Panit-an - Panit-an bridge	07:50	0.00	2.20
Panit-an - Panit-an	07:45	0.00	3.60
President Roxas - President Roxas	07:45	0.00	56.50
Roxas City - Roxas City	07:45	0.00	1.00
Dao - Dao bridge	07:50	0.00	17.40

Pototan - Pototan Municipal Hall : 3.00 mm



Balete - Balete	Kalibo - Libtong-Mobo bridge	Libacao - Libacao Bridge	Madalag - Guadalupe Bridge	Madalag - Madalag	Barbaza - Dalanas Bridge	Siblor
September 2 2014 7:50:12 AM	September 2 2014 7:50:11 AM		September 2 2014 7:50:12 AM			
1200 cm 1100 cm 1000 cm 900 cm 800 cm 700 cm 600 cm 500 cm 400 cm	1200 cm 1100 cm 1000 cm 900 cm 800 cm 700 cm 600 cm 500 cm 400 cm		1200 cm 1100 cm 1000 cm 900 cm 800 cm 700 cm 600 cm 500 cm 400 cm			1200 cm 1100 cm 1000 cm 900 cm 800 cm 700 cm 600 cm 500 cm 400 cm



# Research and Development Management



- **Base Agency for some DOST R&D consortia.**
- **Spearheads the RDC Special Committee on Research and Development.**
- **Provides support to various R&D and technology piloting projects.**



# S&T Human Resource Development



- **DOST-SEI Undergraduate Scholarship Program.**
- **Philippine Science High School (PSHS) Scholarship Program.**
- **Post-graduate program, e.g. ERDT and ASTHRDP.**



*Filipino S&T experts for you,  
anywhere you are in the Philippines,  
whatever your needs may be.*

# **Project Overview**


---

## *What the project is all about*

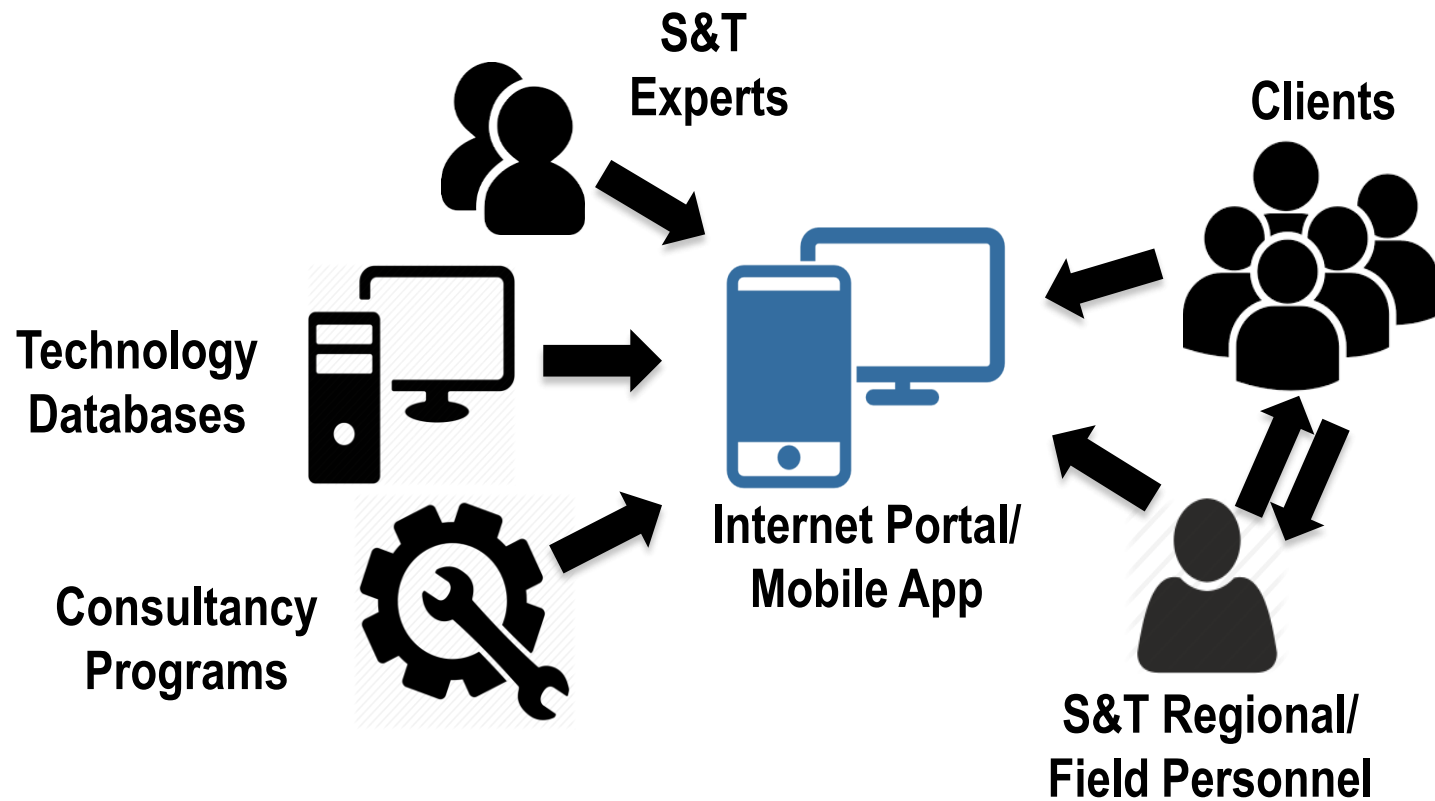
Strengthen the delivery of scientific knowledge and other technical services by local scientists, researchers and other S&T experts to effectively and efficiently address the S&T requirements of the various sectors of the country.



## *What we hope to achieve*

- Establish a nationwide network of S&T experts which can be accessed both online and on-site.
  - Improve access to technology databases and/or information systems.
  - Encourage involvement of local S&T stakeholders in regional and national development.
  - Enhance the use of ICT in public governance.
  - Improve capability of S&T field personnel in the countryside.
- 
- A person in a dark suit and light shirt is shown from the chest up, holding a glowing blue globe. The globe is surrounded by several circular icons containing human figures, connected by a network of lines. In the background, there is a laptop and a smartphone. The overall scene is set against a dark, blue-toned background, suggesting a high-tech or digital environment.

# *How does it work?*





# Who are the S&T Experts?



- Members of the National Academy of Science and Technology (NAST) and the National Research Council of the Philippines (NRCP).
- Researchers and Scientists of DOST-Funded Research Projects.
- DOST Balik Scientist Program (BSP) Grantees.
- Technical Staff/Subject Matter Specialists of DOST Sectoral Planning Councils, Research and Development Institutes, Service Institutes and Regional Offices.
- Accredited Consultants of DOST SETUP Consultancy Programs.

# *Who are the users/clients?*

- Micro, Small and Medium Enterprises (MSMEs).
- Local Government Units.
- Other National Government Agencies.
- Academic Institutions.
- Researchers.
- Students.
- General Public.



**One Expert Services**

---

# *SETUP* Consultancy Programs



Are you looking for advice on your livelihood project or business enterprise?

- Manufacturing Productivity Enhancement (MPEX) Program
- Consultancy for Agricultural Productivity Enhancement (CAPE)
- Food Safety Consultancy
- Cleaner Production/Waste Minimization
- Energy Audit/Efficiency

# Technology Trainings



Are you searching for resource persons for trainings, lectures or conferences?

Trainings can be availed through the following services:

- *S&T Experts Volunteer Pool Program (STEVPP)*
- *SETUP Technology Training Program*

# Access to Researchers/Scientists



Are you searching for researchers and scientists?

Our pool of researchers and scientists come from the:

- *National Academy of Science and Technology (NAST) where our National Scientists also belong.*
- *National Research Council of the Philippines (NRCP) which has a broad membership base coming from all over the country and covering various scientific disciplines.*
- *DOST Balik Scientist Program.*

# *Support to Extension Personnel*



Are you a field/extension officer looking for experts to help your clients?

Access to DOST S&T Experts as well as programs and services are made available to extension personnel of other government agencies, LGUs, NGOs and the academe.

# *Connect to STARBOOKS*



More than a hundred thousand S&T reference materials - S&T journals, publications, R&D outputs, encyclopedia, livelihood videos and others.

One Expert and STARBOOKS are already interoperable.



# Contact to DOST Personnel



Do you want to talk to a DOST Staff?

You may contact directly the concerned DOST office for clarifications or further assistance.

*How do you access  
the services  
of One Expert?*



WEBSITE

[oneexpert.gov.ph](http://oneexpert.gov.ph)



CONTACT NO.

*Trunklines (033) 320 0093, (033) 320 0907  
(033) 330 1565, loc. 103 // Mobile No. 09988678121*



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# **Features of One Expert Portal**

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## S & T EXPERTS

General  Advanced

Q Search Expert(s)

Exact Match  Words Match

<p>offline</p>  <p>Feliciano Sinon DOST-R08</p>	<p>offline</p>  <p>Henry Supan DOST-R03</p>	<p>offline</p>  <p>Rafael Rafael DOST-R03</p>	<p>offline</p>  <p>Glenn Laig Algebra and Number NRCP</p>
<p>offline</p>  <p>Violeta Afable DOST-R08</p>	<p>offline</p>  <p>Esther Bañar DOST-R08</p>	<p>offline</p>  <p>Nimfa Ogena NRCP</p>	<p>offline</p>  <p>Elaine Missio NRCP</p>

Flexible search engine for accessing S&T experts and other information you need.





Scientists and Researchers

Researchers with the National Research Council of the Philippines (NRCP) and National Academy of Science and Technology (NAST). Including experts with publications  
**4 matches were found for 'shrimp'.** [Click to show results](#)



DOST Technical Staff Specialist

Technical specialist employed with the Department of Science and Technology (DOST). Their services are for free but you may need to take care of other expenses if needed.  
**1 matches were found for 'shrimp'.** [Click to show results](#)



Business Consultants

Accredited consultant of the DOST Small Enterprise Technology Upgrading Program (SETUP) from the academe/private sector. Can provide in-depth technical consultancy services in my area of specialization. If you are qualified to engage with the services, DOST SETUP will provide for my consultancy fee. However, you may need to take care of other expenses if needed.  
**3 matches were found for 'shrimp'.** [Click to show results](#)



Resource Persons

Search for and tap a suitable expert to be a resource person for your on-site and firm-level trainings and other technical assistance  
**1 matches were found for 'shrimp'.** [Click to show results](#)



Publication/Technical References

Starbooks contains local and foreign S&T resources in text, video, and audio formats including journals, investigatory materials, and livelihood videos. The materials cover a diverse range of topics, from food and nutrition, health and medicine, energy, to environment, livelihood technologies, and many others.  
**30 matches were found for 'shrimp'.** [Click to show results](#)



One Expert News

Our latest news/articles related to your search term  
**2 matches were found for 'shrimp'.** [Click to show results](#)



## Jocelyn Partosa

I am a Researcher with the National Research Council of the Philippines (NRCP). If you are interested in having me as a Resource Person or Technical Expert in an activity or project, contact the nearest **DOST office** for further information.

[Bookmark](#)

[Talk to DOST Staff](#)

Last Activity:  
4 days ago  
offline

Profile Visits:  
102

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### About Me

#### Area of Expertise

> **Biology, Science Education**

- Plant anatomy, histology Vegetation analysis Metacognition, mental models

#### Scientific Discipline

Biological Sciences

#### Affiliated To



NRCP

#### Accreditations with DOST Consultancy Programs *(Click to engage)*

No Consultancy Programs listed yet

#### Related Experts 8



Nathaniel Añasco



Aimee Lynn Dupo



Jaime Montoya



Thaddeus Carvajal



Chitho Feliciano



Hiyas Junio



Arnold Hallare





Dewoowoogen Baclayon










Experts' profiles are interactive, up-to-date and presented in a contemporary manner.






Mingle - a robust chat application for person to person and group interaction. Can be used for files uploading and viewing. Can be used for project or activity management.


Menu  


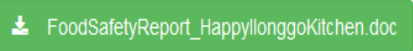
Chats Archived


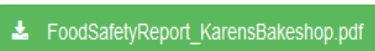
-  **Test Account**  
06:18 PM, October 11, 2016 
-  **Neboy Trinidad**  
06:18 PM, October 11, 2016 
-  **Dyna Tibubos**  
06:17 PM, October 11, 2016 
-  **Garry Balinon**  
06:17 PM, October 11, 2016 
-  **JC Albarosa**


Group Chats



-  **One Expert Admin**  
August 31, 2016 09:53:41 AM
-  **pangtesting ni nev**  
October 04, 2016 09:31:26 AM
-  **Management of DOST 6 Science And Technology Services**  
October 11, 2016 06:16:41 PM



 **Keithlyn Sarah Bernardino:** :)  
09:27 AM, September 30, 2016 [Hide Message](#)

 **Jhoanna Bolencis:** Attached is the Final Food Safety Report of Happy  
  
09:37 AM, September 30, 2016 [Hide Message](#)

 **Jhoanna Bolencis:** Attached is the Final Food Safety Report of Karen  
  
09:41 AM, September 30, 2016 [Hide Message](#)

 **Allan Francis Dara-ug:** Keith, She no comments ako , okay ang report  
A.(DoubleM,Aesha, Abing.  
02:01 PM, September 30, 2016 [Hide Message](#)

 **Jhoanna Bolencis:** Attached is the GMP Report of Esparar MPC  
  
02:48 PM, September 30, 2016 [Hide Message](#)

 **Jhoanna Bolencis:** Attached is the GMP Report of Miden Panaderia  
  
03:10 PM, September 30, 2016 [Hide Message](#)

Write a message

Press Enter to send

Max file size upload is 15mb. Attaching lar

## Dressing the Green Salad with Fresh Innovations

by oneexpert | Nov 25, 2016 | Article, In The Spotlight, News



In the Spotlight - Feature stories on how DOST S&T services/interventions transformed the lives of its clients.



Photo from Green Salad Farm and S&T Media Service  
Originally published in 2016 DOST Coffee Table Book

Jonie B. Calawa  
Proprietor  
Green Salad Farm  
La Trinidad, Benguet

Jonie B. Calawa came up to meet us looking like any other highland farmer –from the bonnet on his head to the thick jacket shielding him from the cold weather to those well-loved jeans, and down to the worn-out slippers on his feet. But let not his looks deceive you. He is in fact a farmer-millionaire.

Jonie owns the Green Salad Farm, established in 1988 to produce high value commercial crops such as romaine lettuce. The three-hectare farm was initially established by his father and, from the start, was aimed to become the lead producer of highland fresh vegetables through the use of greenhouse technologies and good agricultural practices.

Recent Posts



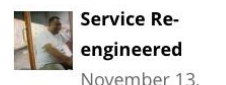
**DOST One Expert steps up for consultancy services ...**  
November 30, 2016



**Dressing the Green Salad with Fresh Innovations**  
November 25, 2016



**Sunnier Days at Sunlight Foods Corporation**  
November 17, 2016



**Service Re-engineered**  
November 13, 2016



**Treading Unfamiliar Ground and Succeeding**  
November 10, 2016

Archives

- November 2016 (5)
- October 2016 (5)
- September 2016 (5)
- August 2016 (1)
- July 2016 (1)
- June 2016 (2)

Categories



## S&T Needs and Opportunities

Join One Expert today to engage with new DOST clients and experts.

### CLEANER PRODUCTION CONSULTANT

CONSULTANCY

To be deployed in Capiz for Progressive Women and Agrarian Reform Cooperative under the Cleaner Production (CP) Program - Food Sector

**Mode of procurement:** Direct Contracting

[Learn More](#)

[View All Opportunities](#)

Login and post your business needs today and let our experts find you. We can also help you tailor your problems to the right expert.

[Login Now](#)

[Not Registered? Create an account now!](#)

S&T Needs and Opportunities - Announcements of consultancy projects by DOST Regional Offices. Users can likewise post their need for consultants or experts.



# Get notified, get views!

Want to know what's happening?

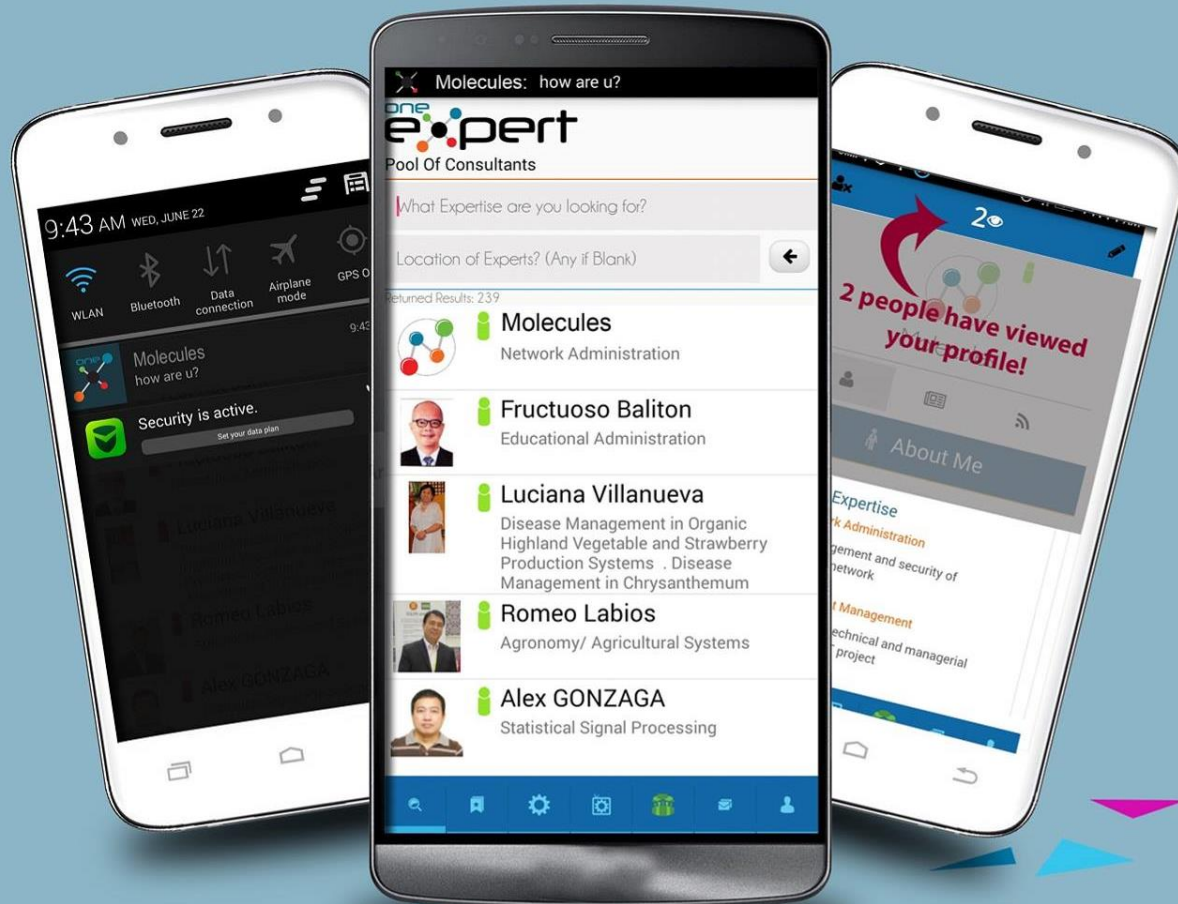
Get in touch with the community! Fellow users may still want to connect with you -- and you want to know that when a notification becomes available.

Now it's possible. Yes.

Moreover, you get to see how many people viewed your profile when you were away. Oh no, maybe they wanted something to discuss with you.

So, login regularly to **oneexpert.gov.ph**, to know the latest news.

one  
**e.pert**  
oneexpert.gov.ph



Mobile app is available for Android. IOS version is under development.

End of Presentation.