



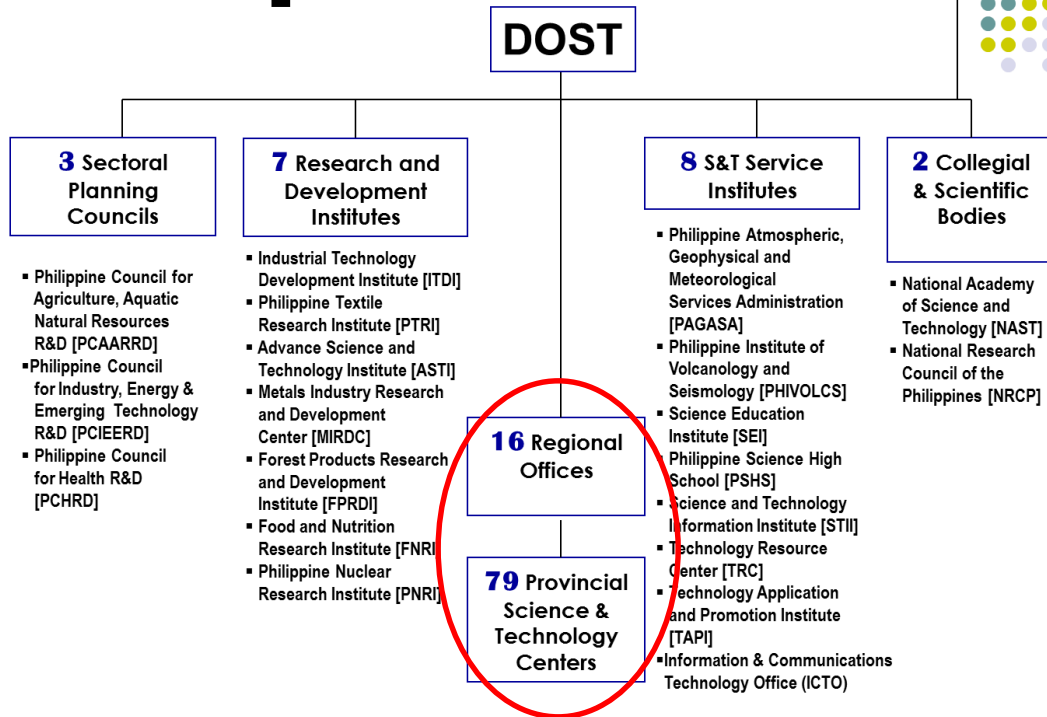
Programs and Services of DOST for Western Visayas

Engr. Sheila L. Oberio
Provincial S & T Director, Iloilo Provincial Science and Technology Center, DOST VI

Presented during the Forum on Standardization, Productivity, Innovation, and Certification for Enterprises in Food Processing in Western Visayas; April 29-30, 2015; University of the Philippines-Visayas, Iloilo City Campus

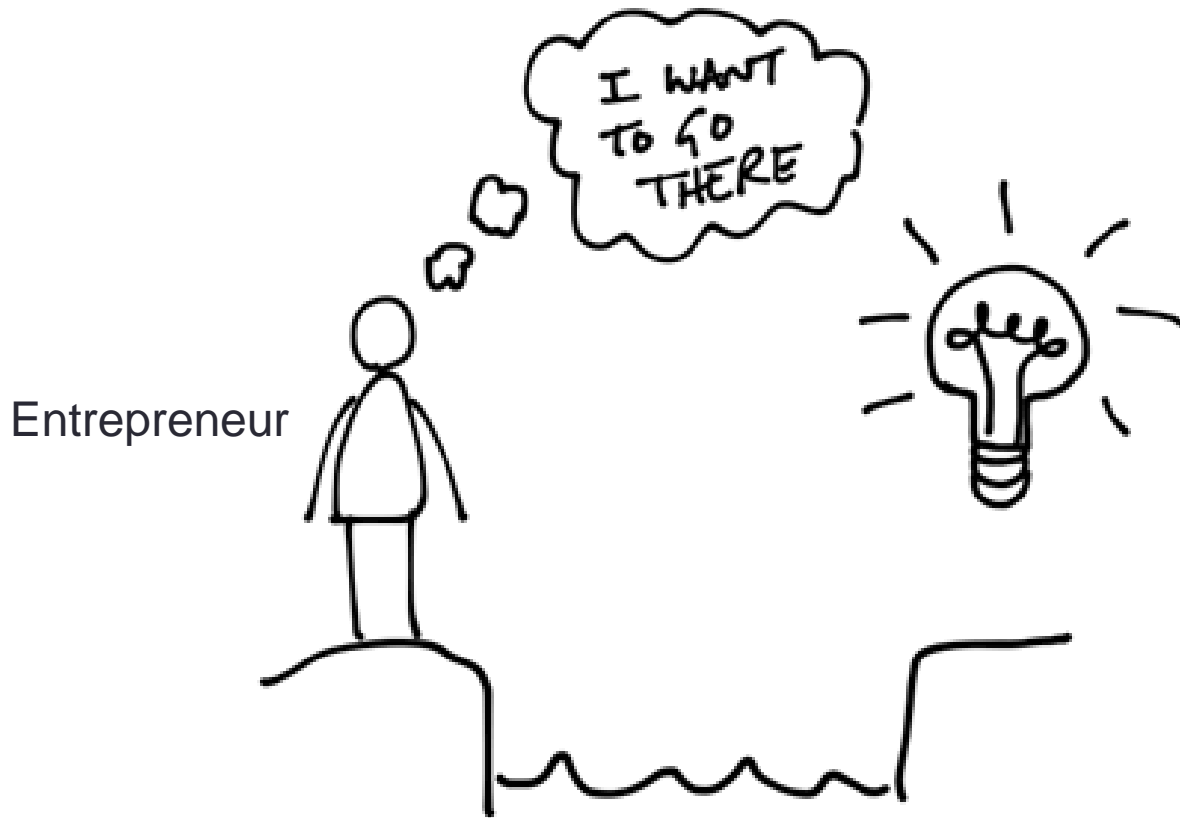


Organizational Structure



DOST Regional Office No. 6

- DOST Regional Offices serves as focal point for the planning and implementation of the S&T programs, projects and services in their respective regions.



GOAL

A competitive product that sells and brings profit.

- Quality Standards
- Productivity
- Compliance to regulations

Issues of enterprises

Short or unstable
shelf-life

Low productivity

Inconsistent
product quality

Unattractive label
design



Equipment needs
upgrading

Inappropriate packaging

GMP Compliance

Before



After





Small Enterprise Technology Upgrading Program

OBJECTIVES

To improve the viability of micro, small and medium enterprises (MSMEs) and enhance their competitiveness locally and/or abroad through the infusion of technologies, provisions of technical assistance and human resources development.

The **specific objectives** of the program:

- Improve productivity of participating enterprises.
- Produce higher quality products meeting world standards.
- Increase employment opportunities in rural areas.
- Improve socio-economic conditions.

Science and Technology Transfer Services



- Innovation System Support Fund
- Technology Trainings
- Technology Consultancy
- Packaging and Labeling
- Testing and Calibration

Innovation System Support Fund

Transfer of appropriate technologies either for establishing new processes or for upgrading of existing operations.

Technology Trainings

Provided to interested clients intending to establish new technology-based enterprises or upgrade their existing operation.

Technology Consultancy

- Manufacturing Productivity Extension Program (MPEX)
- Consultancy for Agricultural Productivity Enhancement (CAPE)
- Cleaner Production (*Waste Minimization*)
- Energy Audit
- Food Safety
- *Product and Process Development

**New Offering under the Food Innovation Center*



Packaging and Labeling

- Package Development
- Label Design Development
- Shelf-life Testing
- Nutritional Analysis
- Technical Consultancy

Testing and Calibration

SERVICES

Microbiological Testing Laboratory

DOST VI Compound, Magsaysay Village, Lapaz, Iloilo City,
Tel. No.: (033) 320-0093



Water and Wastewater

- Heterotrophic Plate Count (HPC)
- Fecal Coliform Count
- Total Coliform Count
- *E. coli* Count

Food

- Aerobic Plate Count (APC)
- *E. coli* Count
- Fecal Coliform Count
- Total Coliform Count
- Mold and Yeast Count (MYC)

Chemical Testing Laboratory

DOST VI Compound, Magsaysay Village, Lapaz, Iloilo
City, Tel. No.: (033) 320-0093

Drinking Water

- Chloride
- Total Dissolved Solids
- Total Hardness
- pH value

Alcoholic Drinks, Beverage and Preparations

- Acidity, Titratable
- Alcohol Content
- Alcohol Content (with steam distillation)
- pH

Fats, Oil and Waxes

- Free Fatty Acid
- Iodine Value
- Peroxide Value
- Saponification Value

Feeds

- Ash
- Moisture
- Calcium
- Proximate Analysis
- Crude Fiber
- Crude Fat
- Crude Protein
- pH

Food and Food Products

- Acidity
- Ash
- Moisture
- pH

Proximate Analysis

- Crude Fat
- Total Fat, Acid Hydrolysis
- Crude Protein
- Total Carbohydrate & Energy
- (by Computation)

Limestone, Quicklime, Hydrated Lime

- Available Lime
- Calcium Oxide
- Moisture Salt



Salt

- Iodine
- Chloride/NaCl in Salt as received
- Moisture

Starch

Sugar and Sugar Products, Syrups

- Ash
- Moisture
- Sugar, Reducing
- Sugar, Total
- Sucrose
- Total Soluble Solids/Brix

Computation/ Evaluation of Nutritional Facts

Metrology Laboratory (MTRL)

Corner Fuentes-Delgado Sts., Iloilo City
Tel. No.: (033) 338-0776

Mass Calibration

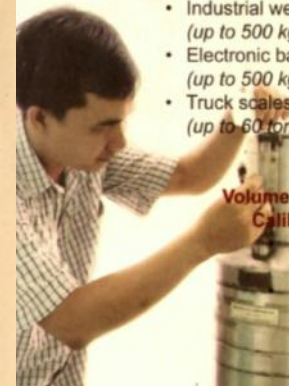
Weighing scales

- Industrial weighing balances
(up to 500 kg)
- Electronic balances
(up to 500 kg)
- Truck scales
(up to 60 tons)

Volume Calibration

Calibrating bucket 10 L

- Proving tanks
(up to 2,000 L)
- Vehicle/Trailer Tanks
(up to 30,000 L)





Guimaras State College-Mosqueda • DOST Region VI

Other Programs

- Serve as the hub for innovations, R&D, and support services for the development of processed foods
- Act as a multi-agency collaborative undertaking of the DOST Regional Offices, other DOST agencies, SUCs, LGUs, other governmental institutions, R&D centers and the private sector
 - Vacuum Freezer
 - Water Retort
 - Immersion Freezer
 - Freeze Dryer
 - Vacuum Fryer
 - Spray Dryer
 - Vacuum Evaporator

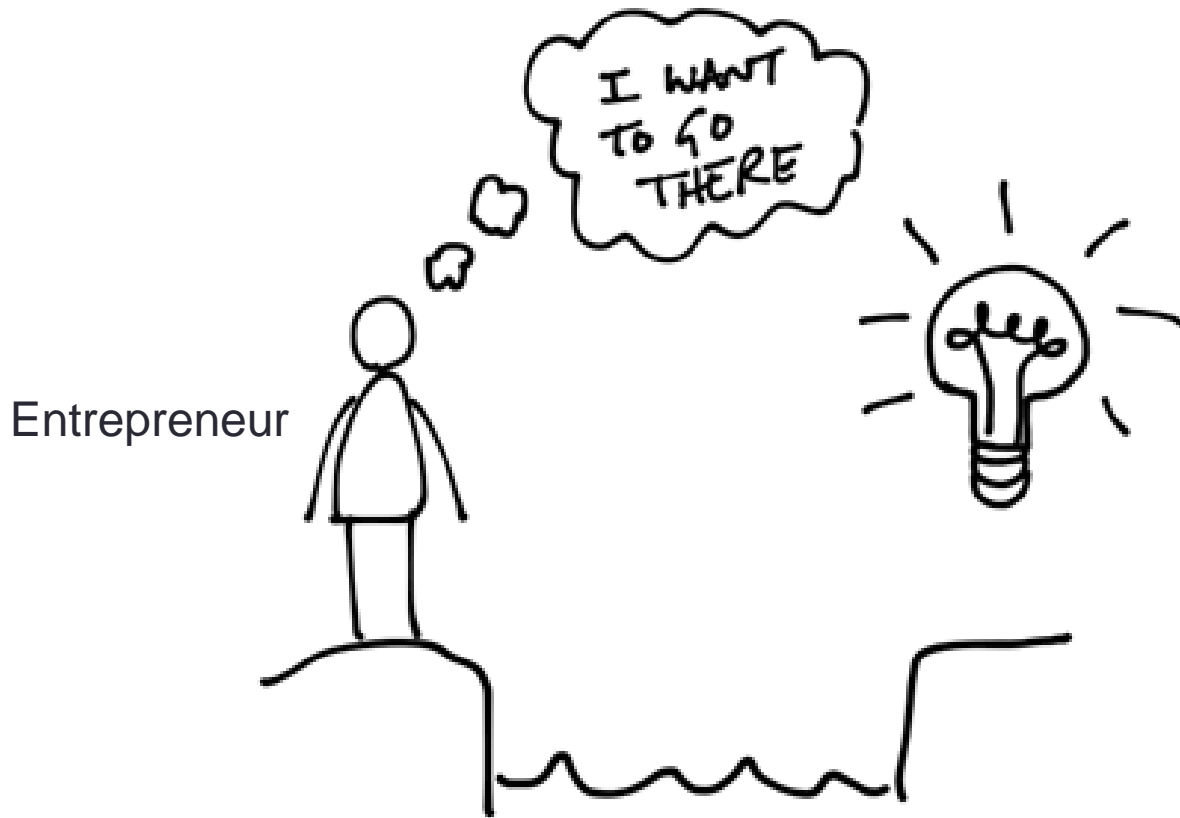
Packaging Technology Resource Center for Western Visayas

Philippine Center for Packaging Engineering &
Technology (PC-PET)
Central Philippine University
Jaro, Iloilo City



Other Programs

- It is a public-private partnership that promotes packaging technologies especially transport packaging
- Offers packaging testing, consulting and capability building activities like trainings, seminars and workshops.
- It has a material resource library that contains reference materials, books and actual sample of packaging materials for reference of researchers, entrepreneurs, students and other interested individuals.

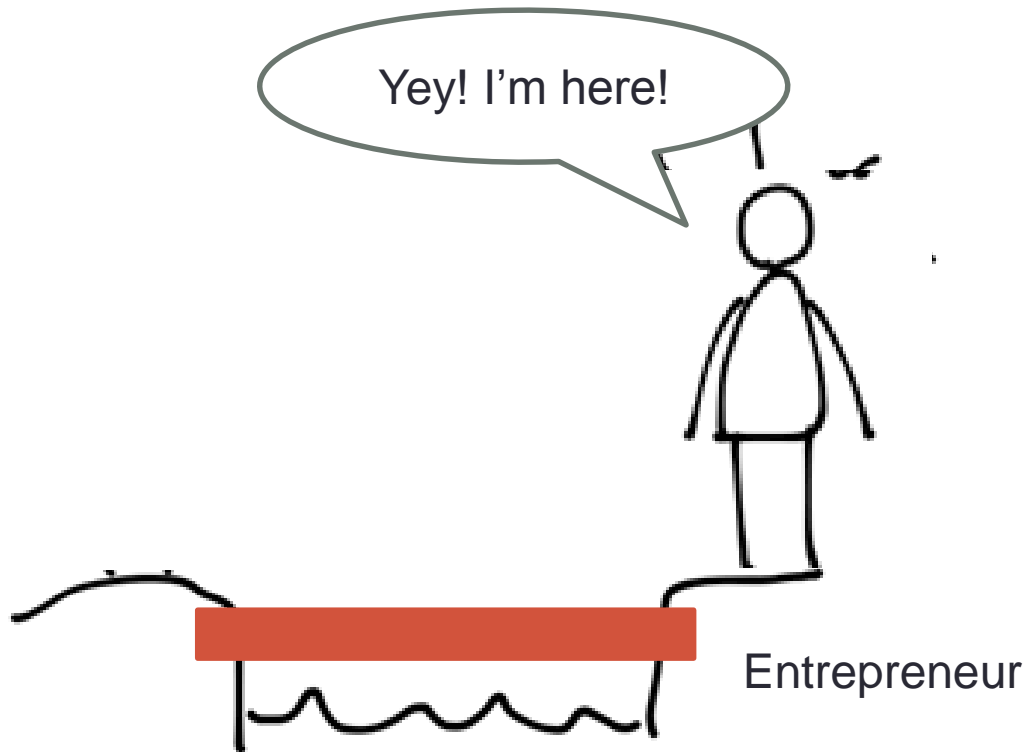


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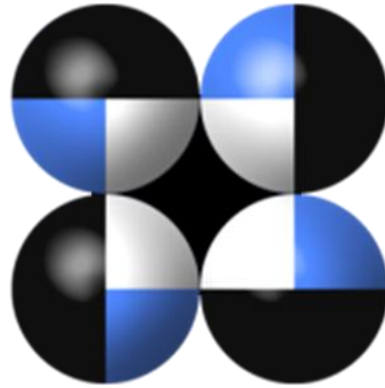
Contact Information

DOST Regional Office VI – (033) 320-0093; 320-0907;
330-1565; Fax – (033) 320-0908

Provincial S&T Centers

Aklan	– (036) 500-7550
Antique	– (036) 540-8025
Capiz	– (036) 396-1765
Guimaras	– (033) 396-1765
Iloilo	– (033) 508-7183
Negros Occidental	– (034) 707-0170

www.dost.gov.ph



Thank you!