Philippine STI Programs and Policy Interventions towards SDGs

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Undersecretary for Research Development





Philippine Development Plan 2017-2022

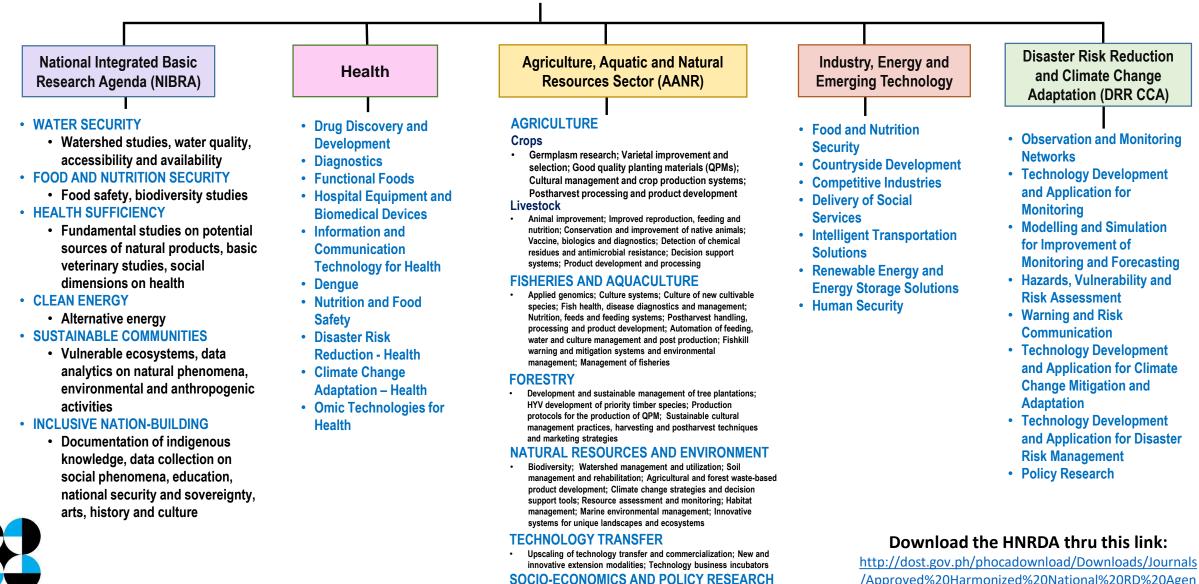


The Life We Want



"To ensure that science, technology and innovation work for the people towards more inclusive socioeconomic development for the country"

Harmonized National R&D Agenda (2017-2022)

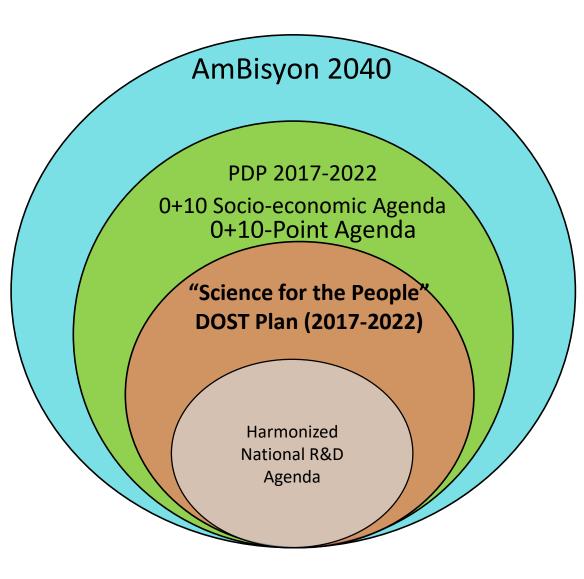


DOS

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Alignment of the DOST Harmonized National R&D Agenda (HNRDA) to the National Plans and Priorities









Innovation Drivers in the Investment Priority Plan 2017-2019

- Research and development activities
- Clinical trials (including drug trials)
- Centers of Excellence (e.g., academic and medical facilities)
- Innovation centers
- Business incubation hubs
- Fablabs/co-working spaces
- Shared Service Facility for MSMEs
- Commercialization of new and emerging technologies and products of DOST or government-funded R&D

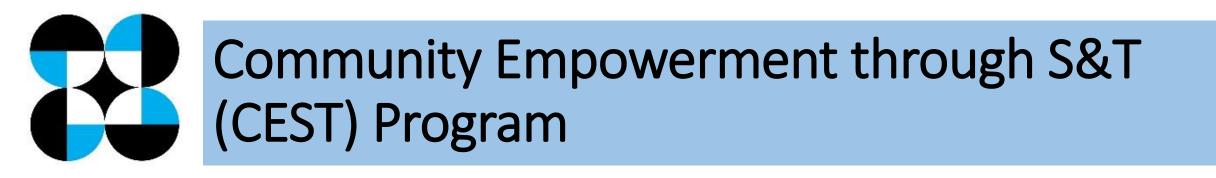


REPUBLIC OF THE PHILIPPINES

NATIONAL ECONOMIC AND DEVELOPMENT AUTHORITY

An annual list of the government's priority programs, projects and activities in the areas of education, health, youth and sports development, human settlements, science and culture, and economic development. Any project/program/activity included in the **NPP** entitles its individual or corporate donors to full **deduction** of said donation from the **donor's taxable income** for the year when the donations were made.

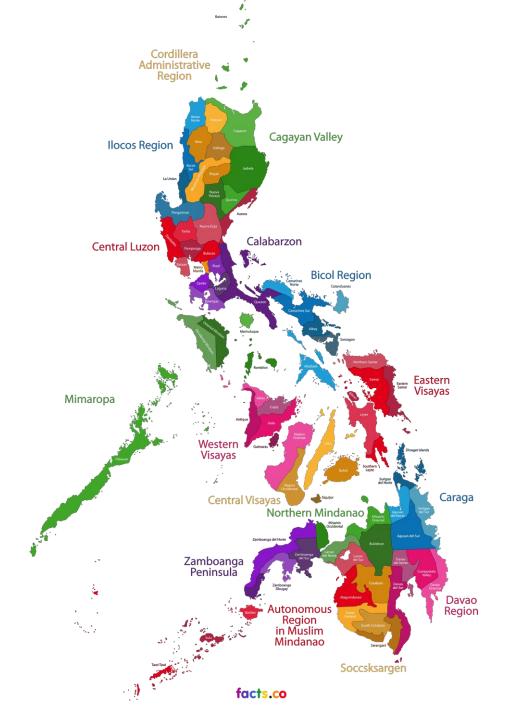
- Science and Technology Innovation Center for Green Composites
- Supply, Delivery, Installation, testing, Supervision, Training and Commissioning of S-Band Dual Polarization, Doppler Weather Radar at Barangay Basacdacu, Alburqueque, Bohol
- PSHS System Donation Plan
- DOSTv: The Filipino Weather Channel
- Science and Technology Research Based Openly Operated Kiosk Stations (STARBOOKS)
- Malnutrition Reduction Program: 1) Technology Transfer and Commercialization of Complementary Blends and Snack Foods; 2) Monitoring and Process Evaluation of the DOST Package for the Improvement of Nutrition of Young Children (PINOY)



CEST deploys a package of S&T interventions which aims to build progressive and empowered communities.

For the "disadvantaged sectors" in the country, it will provide capacity building, livelihood and enterprise options and science learning. These sectors or CEST communities will have all the 5 components of CEST, with at least 2 components in each community covered.





CEST started in CY 2012 with 72 communities targeted to be transformed by CY 2016.

As of Dec 2017, **553 communities** have already been assisted.

CEST Nationwide Accomplishments Summary (CY 2012 – 2017)

WATER AND SANITATION	No. of CWF units provided	5,963
BASIC EDUCATION LITERACY	No. of training/review classes conducted	92
	No. of STARBOOKS units deployed	294
	No. of scholarships granted	319
LIVELIHOOD/ ECONOMIC ENTERPRISE	No. of Technology based projects implemented	247
	No. of technology training conducted	488
	No. of packaging/ labelling materials	108
	No. of people trained	10,678
	No. of OL traps deployed	39,24
	No. of beneficiary household/schools	1254
HEALTH AND NUTRITION	No. of malnourished children served under feeding program	8,967
	No. of WLMS devices installed	53
DISASTER RISK	No. of ARG devices installed	112
REDUCTION	No. of Tandem (WLMS+ARG) installed	11



2 ZERO HUNGER



Malnutrition Reduction Program (MRP)

0-4 YEARS OLD

33.6%

20.2%

7.2%

5-10 YEARS OLD

33.6%

32%

8.5%







Image source: Rappler

Php 328 Billion (2.84% of GDP)

330,418 students 15% (due to stunting)

67% of cost of grade repetition **m** government

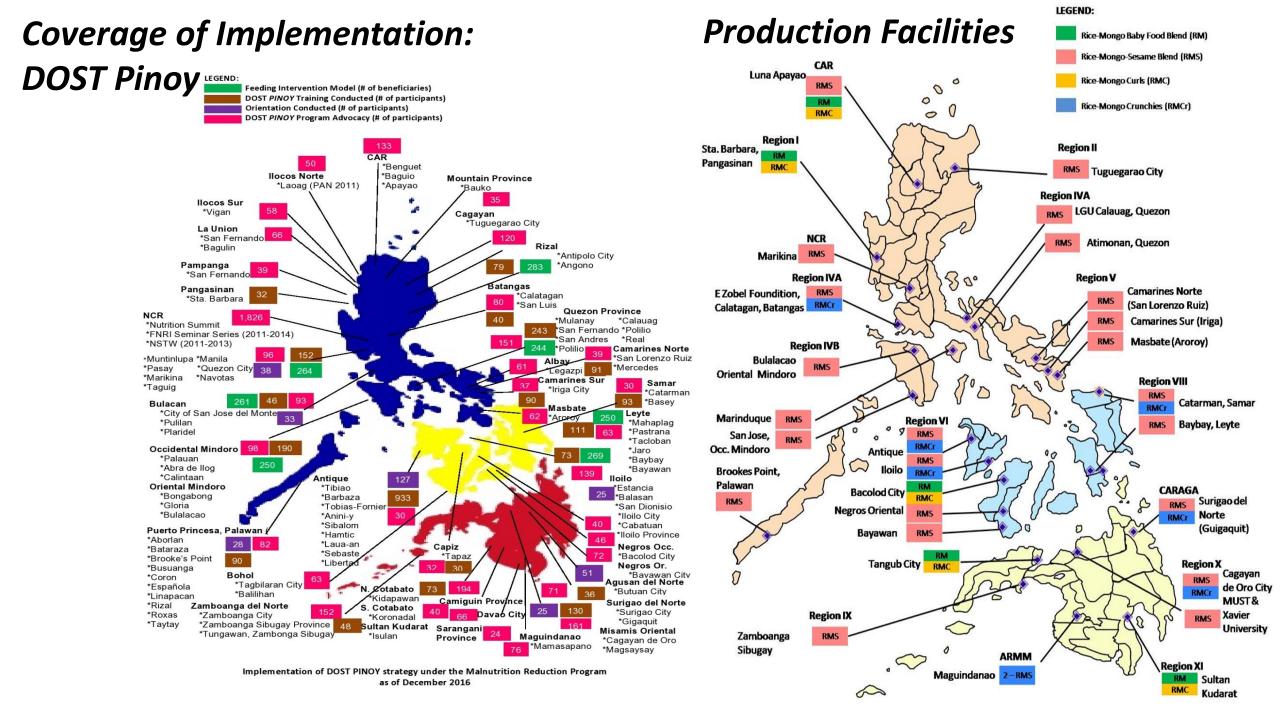


DOST PINOY

(Package for the Improvement of Nutrition of Young Children)



Image source: www.cbsua.edu.ph



orchestrack Jewelry THE RANKS OF VES vermac **GOOD BUSINESSES MADE BETTER THROUGH** Morales SeaKid **Small Enterprise Technology Upgrading Program** IIN KEE FERINO'S DECENT WORK AND ECONOMIC GROWTH INDUSTRY, INNOVATION And infrastructure REDUCED Inequalities 9 SERVICES RHODECC

BON

COFFEE



Transforming MSMEs through Science, Technology and Innovation

S&T Solutions

- Technology Transfer and Commercialization Eg. MPEX, CAPE, food safety, energy audit and cleaner production
- Packaging Assistance
- Technology Trainings
- Laboratory and Testing Services
- Innovation Fund



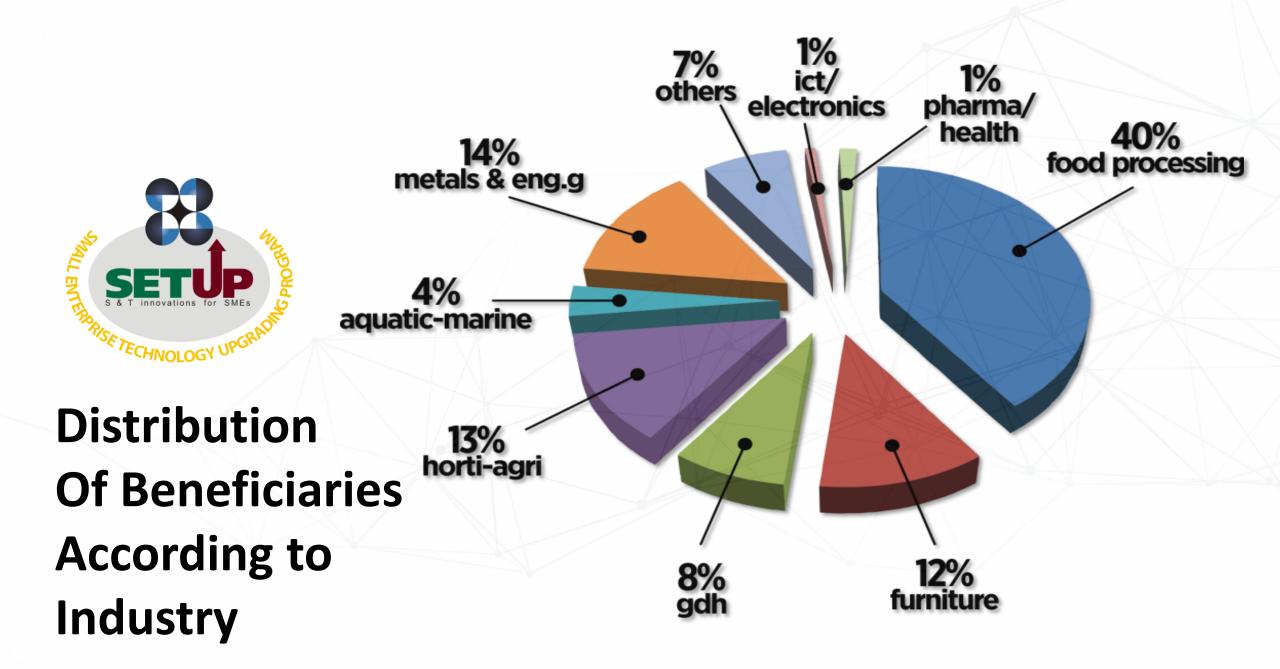
ONE Products to your doorsteps

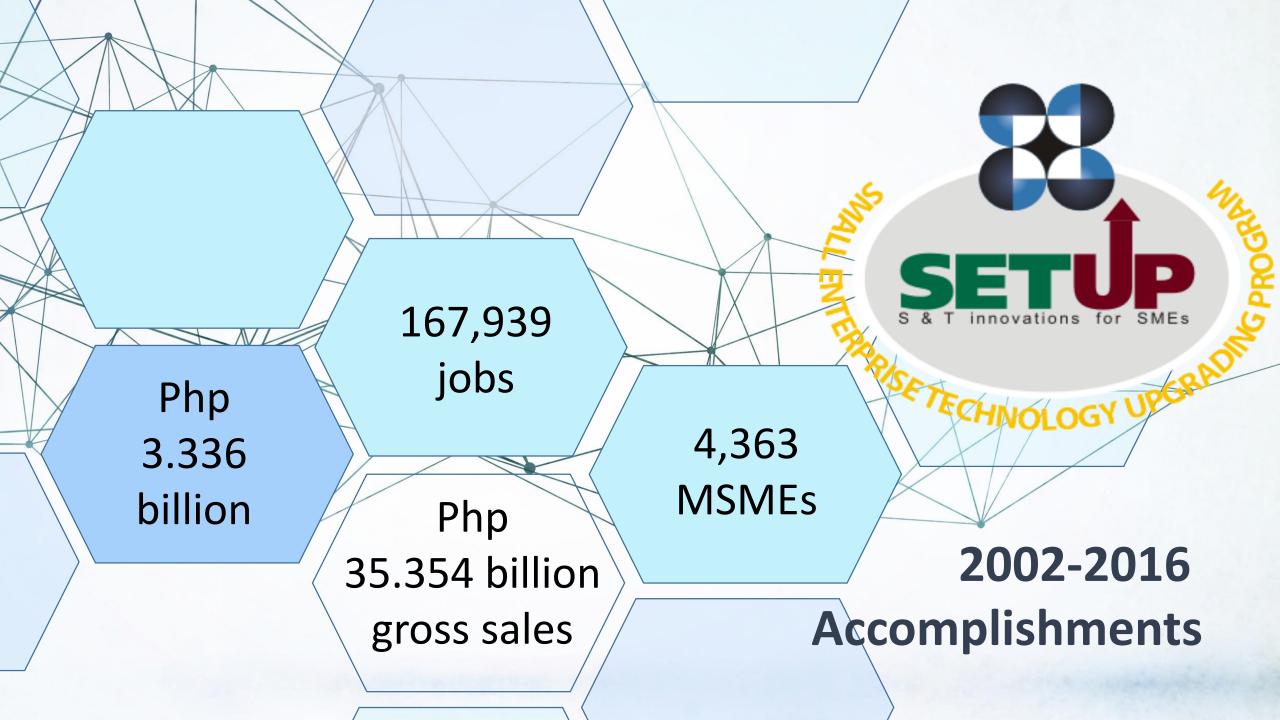
FOOD INNOVATION

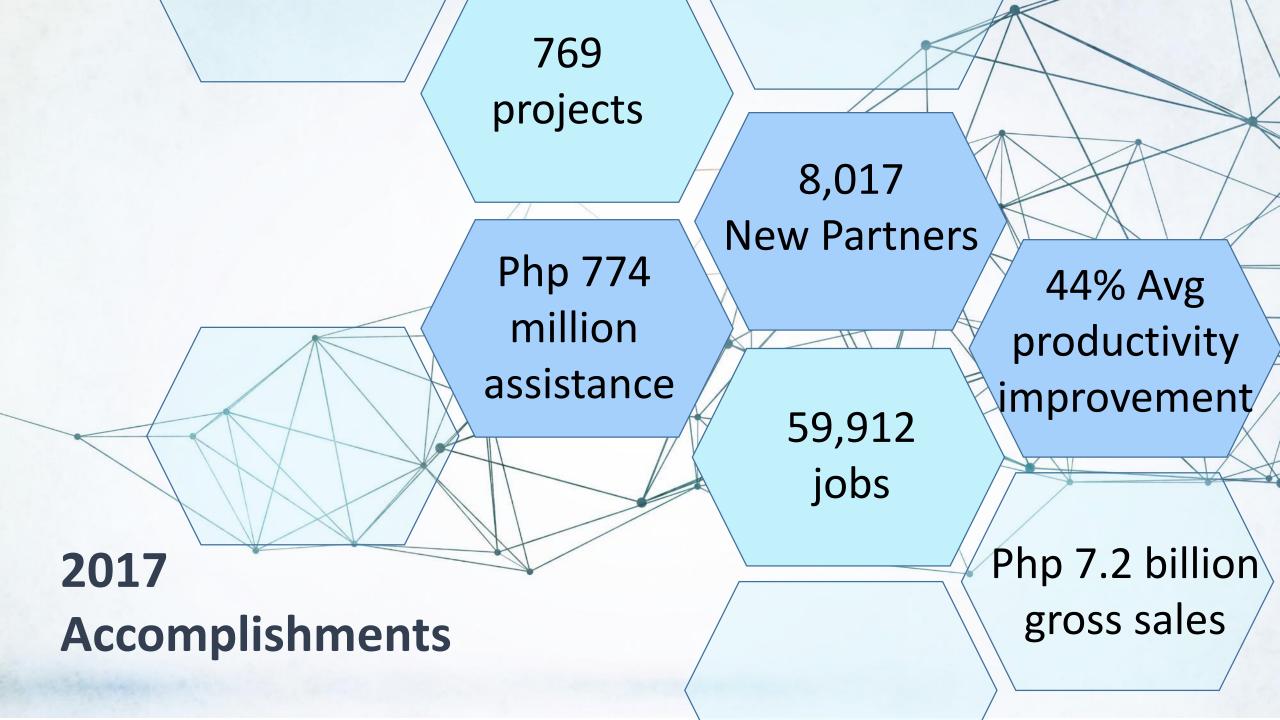
CENTER



Consultancy for Agricultural and Manufacturing Productivity Improvement (CAMPI) Level-Up Program

















3 GOOD HEALTH AND WELL-BEING

Drug Discovery & Development Program: Tuklas Lunas

TUKLAS LUNAS DEVELOPMENT CENTER FOR LUZON

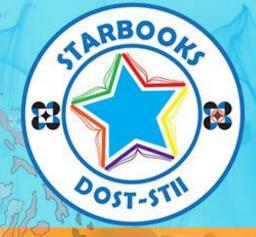












DOST STARBOOKS The First Philippine Science Digital Library

your access to a wealth of science and technology information at your fingertips



STARBOOKS

SCIENCE Digital Librar

Your access to a wealth of S&T information right in your community.

Sleek, user-friendly pods filled with S&T information that cater to the curious researcher or the avid reader.

Stand-alone information klosk, hence, information access is possible even without internet connection...



We Make Change Work for Women

2017 National Women's Month Celebration March 1 to 31

#WomenMakeChange

5 GENDER EQUALITY

Supporting Women's Economic Empowerment in the Philippines









Image source: www.armm-info.com





Sustainable Mass



Transport System



SURFACE ANALYSIS



Advanced Device and Materials Testing Laboratory (ADMATEL)







DIWATA: *Philippine Microsatellite (PHL-MICROSAT)*

PEDRO: *Philippine Earth Data Resource Observation Center*







15 LIFE ON LAND













15 LIFE ON LAND



Project NOAH Data: 1.2 GB **3000 Rice Genomes Project** NOAH-WISE Data: 295 GB (3kRG): 120 TB PAGASA Data: 13 TB UPCOMING: PEDRO Data: 3 TB annually) ASTI Sensor Data: LiDAR Data: 104 18 ("115 M or 361 GB) NASA Data: 12 TB HPC Data: 336 TB CERN Data: 3.12 GB Multiple Data DATA DATA Integration

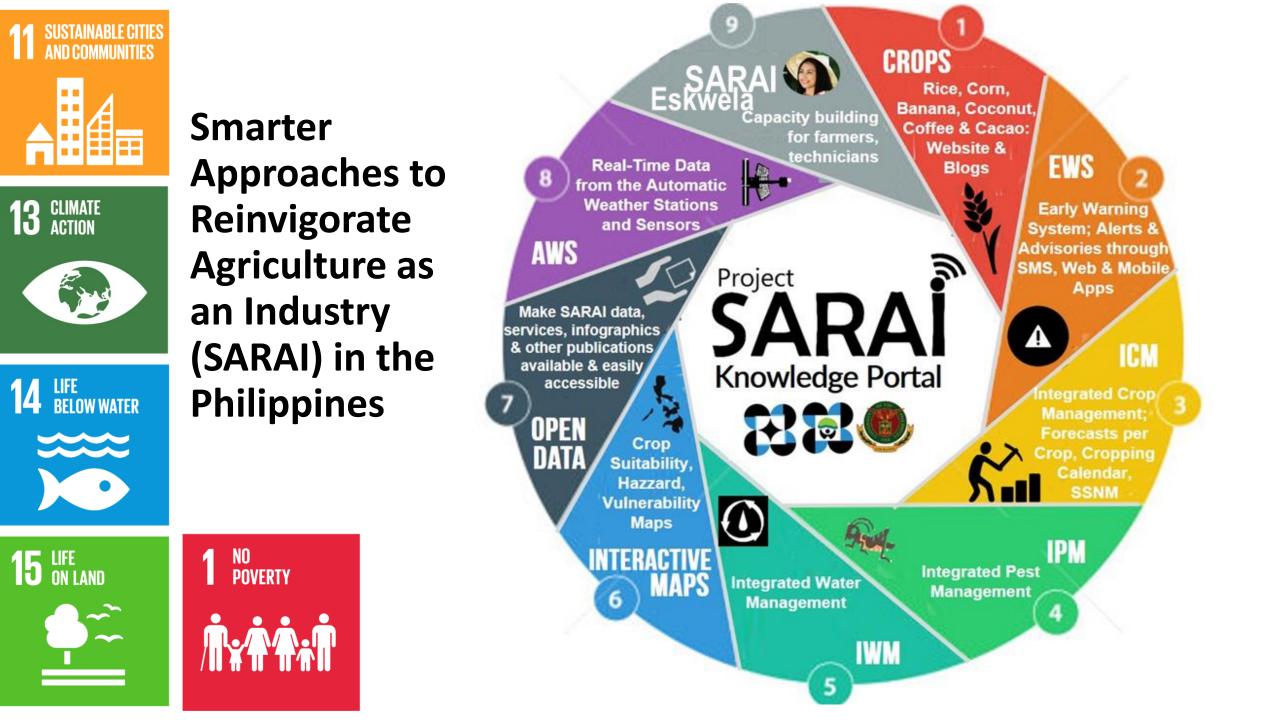
COMPUTING AND ARCHIVING RESEARCH ENVIRONMENT

DATOS: Data Aggregation Technology and On-Demand System



HPC capacity: 3.040 cores Storage capacity: 1.5 petabytes Continuously offering high performance computing, storage and cloud computing services to various academic and research institutions















15 LIFE ON LAND

Philippine Light Detection and Ranging (Phil-LiDaR) Program





7 PARTNERSHIPS FOR THE GOALS

