



Office of the Provincial Governor
CARLOS JERICHO L. PETILLA

September 24, 2025

Hon. LEONARDO M. JAVIER, JR.
Vice-Governor
Province of Leyte

Dear Vice-Governor Javier,

We respectfully request your esteemed office to pass a resolution endorsing the inclusion of the Province of Leyte as one of the beneficiaries of the **Smarter Approaches to Reinvigorate Agriculture as an Industry (SARAI)** program, under the **Department of Science and Technology (DOST) Regional Office VIII – Provincial Science and Technology Office of Leyte**, through **Mr. Mhardy C. Montejo, Provincial Director**.

We are pleased to inform you that the SARAI Project Team has assured that there will be no financial obligation on the part of the Provincial Government of Leyte for its participation in this project.

For your reference and further understanding, please see the attached program brief of the SARAI Program and the sample resolution provided to us.

Thank you for your continued support and commitment to advancing agricultural development in our province.

Very truly yours,


CARLOS JERICHO L. PETILLA
Governor

Item No.: 17
Date: 07 2025 OCT

Republic of the Philippines
PROVINCE OF LEYTE

Sangguniang Panlalawigan
Province of Leyte

RECEIVED

Date: SEP 24 2025
By: [Signature]

A RESOLUTION RESPECTFULLY REQUESTING THE DEPARTMENT OF SCIENCE AND TECHNOLOGY (DOST) REGIONAL OFFICE VIII – PROVINCIAL SCIENCE AND TECHNOLOGY OFFICE LEYTE THROUGH MHARDY C. MONTEJO, PROVINCIAL DIRECTOR TO INCLUDE THE PROVINCE OF LEYTE AS ONE OF THE BENEFICIARIES OF THE SMARTER APPROACHES TO REINVIGORATE AGRICULTURE AS AN INDUSTRY (SARAI) PROGRAM.

SAMPLE



Republic of the Philippines
Province of Southern Leyte
CITY OF MAASIN
*

607-516-25-290
8/13/15
7TH Session

Tenth Assembly

OFFICE OF THE SANGGUNIANG PANLUNGSOD

EXCERPT FROM THE MINUTES OF THE REGULAR SESSION OF THE SANGGUNIANG
PANLUNGSOD OF THE CITY OF MAASIN HELD ON AUGUST 5, 2025 AT THE
SANGGUNIANG PANLUNGSOD SESSION HALL, MAASIN CITY.

PRESENT:

Hon. Maria Effie Abiera - Sabandal	, City Vice Mayor – Presiding Officer;
Hon. Isagani M. Mercado	, SP Member;
Hon. Jezzene Gail Palar-Acasio	, SP Member;
Hon. Luzviminda Telen-Rosete	, SP Member;
Hon. Mikhael Leonardo V. Mercado	, SP Member;
Hon. Margarita A. Bantug	, SP Member;
Hon. Rafael Cromwell T. Gerong	, SP Member;
Hon. Eliseo B. Costillas	, SP Member;
Hon. Manuel A. Enage V	, SP Member;
Hon. Romeo R. Geniston	, SP Member;
Hon. TY Tenten E. Duarte	, SP Member;
Hon. Daryl Mercado-Costillas	, Ex-Officio SP Member (Vice President, Panlungsod na Liga ng mga Barangay)
Hon. Francis Rey L. Cejalbo	, Ex-Officio SP Member (President, Panlungsod na Pederasyon ng mga Sangguniang Kabataan);

ABSENT: NONE

RESOLUTION NO. 732

A RESOLUTION RESPECTFULLY REQUESTING THE DEPARTMENT OF SCIENCE AND TECHNOLOGY (DOST) REGIONAL OFFICE VIII – PROVINCIAL SCIENCE AND TECHNOLOGY OFFICE SOUTHERN LEYTE THRU DR. RAMIL T. UY, PROVINCIAL DIRECTOR TO INCLUDE THE CITY OF MAASIN AS ONE OF THE BENEFICIARIES OF THE SMARTER APPROACHES TO REINVIGORATE AGRICULTURE AS AN INDUSTRY (SARAI) PROGRAM.

WHEREAS, Maasin City, being the capital of Southern Leyte with large number of farmers relying agriculture for their livelihood has consistently prioritized the advancement of its agricultural sector as a key pillar of local economic development and food security;

WHEREAS, the Office of the City Agriculturist of Maasin City recognizes the SARAI program as highly beneficial to the city's agricultural sector, particularly in promoting food sufficiency, increasing productivity, improving resilience against climate variability and empowering local farmers through access to digital tools and timely advisories;

WHEREAS, the City of Maasin already has permanent technical personnel trained in Geographic Information System (GIS), which is advantageous in ensuring the effective implementation and sustainability of SARAI Program;

WHEREAS, the adoption of SARAI's technologies and scientific tools would significantly improve the local agricultural sector-increasing crop yields, reducing losses from climate risks and pests and promoting efficient resource utilization.

NOW WHEREFORE, on Mass Motion, **BE IT . . .**

RESOLVED, as it is hereby resolved, by the Sangguniang Panlungsod of the City of Maasin in session, to respectfully request, as it is hereby requested, the Department of Science and Technology (DOST) Region VIII to consider the City of Maasin as one of the beneficiaries of the SARAI (Smarter Approaches to Reinvigorate Agriculture as an Industry) Program in Region VIII.

RESOLVED FURTHER, to furnish copies of this Resolution to all concerned.

APPROVED UNANIMOUSLY.

=====

I HEREBY CERTIFY to the correctness of the foregoing Resolution.


BETHANY S. GADO

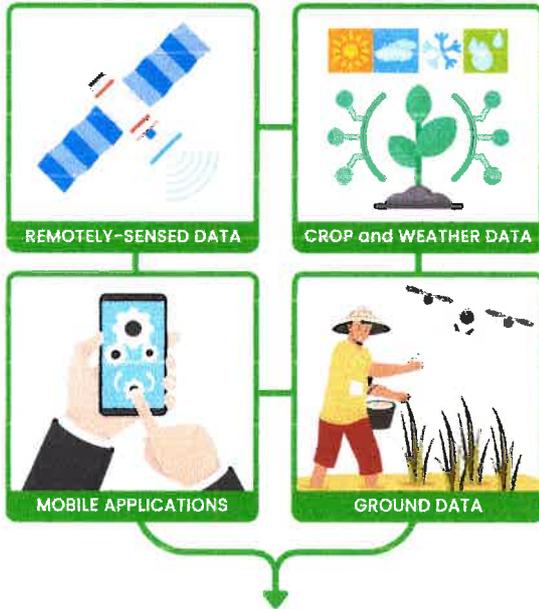


Project SARAI



University of the Philippines
LOS BAÑOS

Smarter Approaches to Reinvigorate Agriculture as an Industry in the Philippines



Cropping decision support systems and early warning

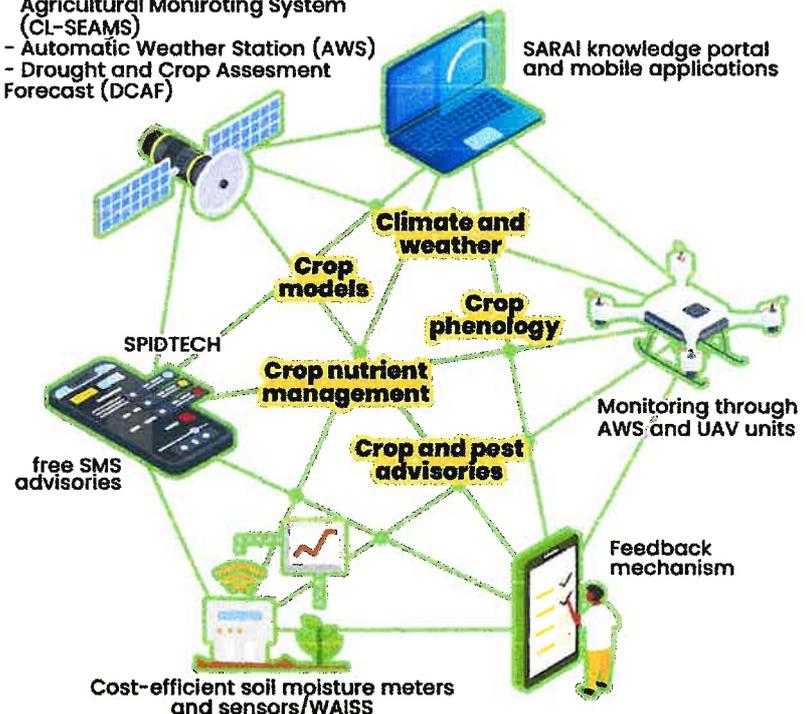
The project also uses modern technologies such as:

- cost-efficient soil moisture sensors
- remotely-sensed information
- Information and Communication Technologies (ICT)
- Geographic Information Systems (GIS)
- Short Message System (SMS)
- Internet (world wide web)

Project **SARAI** is an action-research project funded by DOST through DOST-PCAARRD, being implemented by UPLB along with partner SUCs and NGAs.

The project aims to provide science-based cropping systems, protocols, and long-term strategies geared towards maximizing crop yield and minimizing adverse environmental and climate impacts.

- Community-Level SARAI-Enhanced Agricultural Monitoring System (CL-SEAMS)
- Automatic Weather Station (AWS)
- Drought and Crop Assessment Forecast (DCAF)



Scan here!

Learn more about smarter agriculture by visiting the SARAI Knowledge Portal!

sarai.ph

Project SARAI

Project SARAI

sarai.capdev.uplb@up.edu.ph



Smarter Approaches to Reinvigorate Agriculture as an Industry in the Philippines

Featured SARAI systems and technologies



SPIDTECH

Smarter Pest Identification Technology

A mobile application that can identify, monitor, and report crop pest or disease incidences.



CL-SEAMS

Community-Level SARAI-Enhanced Agricultural Monitoring System

Provides near real-time and site-specific crop monitoring and damage assessment, using Geographic Information System (GIS), Remote Sensing (RS), and Normalized Difference Vegetation Index (NDVI).



SARAI Knowledge Portal

A digital agriculture knowledge portal infrastructure that provides access to the program's farming and management solutions through web and mobile applications.



BANATECH

A mobile application that serves as a harvest date estimator which can help farmers predict the optimum time to harvest Lakatan and Saba/Cardaba.



CAPHE

Coffee Application Harvest Estimator (CAPHE)

A mobile application that provides advisories per growth stage of coffee. It can also estimate when it is the best time to harvest coffee beans.



An online-based system for real-time monitoring of planted and harvested produce, as well as farm practices and market data.



Check our socials!

More information on smarter agriculture through:

Facebook



YouTube

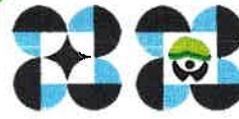


Scan here!

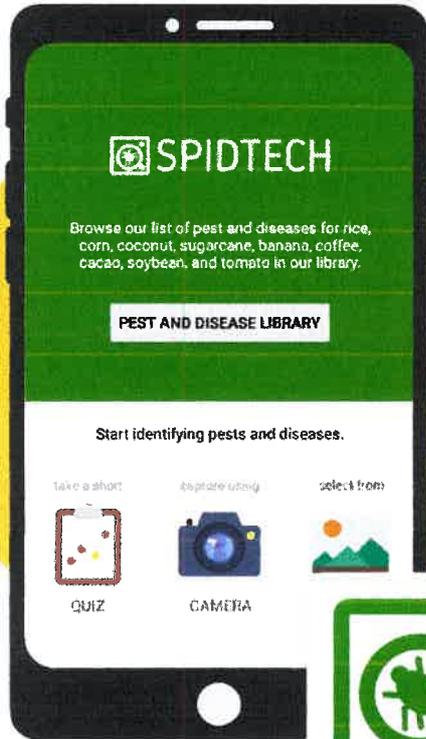
Learn more about smarter agriculture by visiting the SARAI Knowledge Portal!



Project SARAI aims to support the agricultural sector through science-based cropping systems, protocols, and long term strategies to improve the agricultural productivity.



Smarter Approaches to Reinvigorate Agriculture as an Industry in the Philippines



SPIDTECH

Smarter Pest Identification Technology

The Smarter Pest Identification Technology (SPIDTECH) is a mobile application that can identify pests or diseases in the following crops: rice, corn, coffee, cacao, banana, sugarcane, coconut, tomato, soybean, and onion.

Major components of SPIDTECH:

- Pest and Disease Identification
- Pest and Disease Library
- Pest and Disease Remote Monitoring

With these components, SPIDTECH can provide the following:

- digital identification of insect pests and diseases;
- familiarization of insect pests and diseases of SARAI-focus crops including ways how to identify and manage them
- remote monitoring of pest and disease occurrence in the country

FREE

Download now!

Scan the QR code to download SPIDTECH or search SPIDTECH in Google Play!

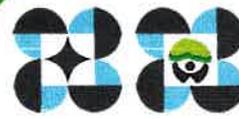


Google Play





Project SARAI



University of the Philippines
LOS BAÑOS

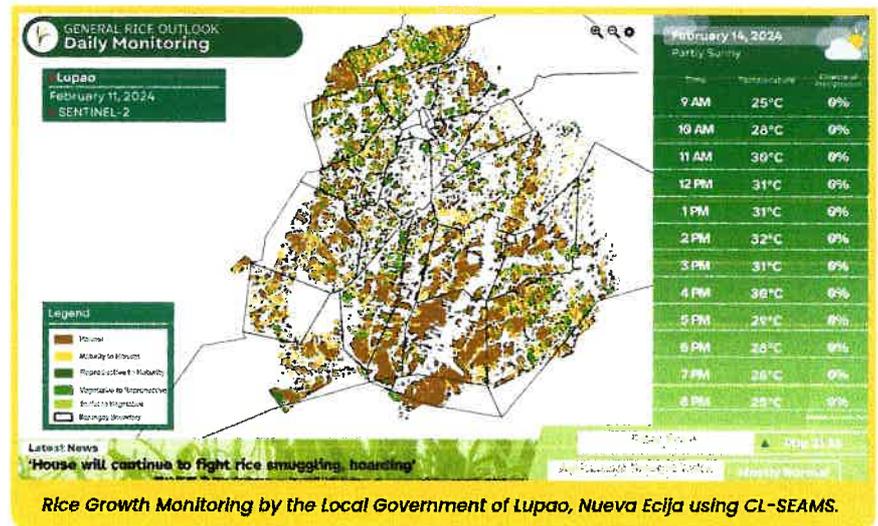
Smarter Approaches to Reinvigorate Agriculture as an Industry in the Philippines

CL-SEAMS

Community-Level SARAI-Enhanced Agricultural Monitoring System

CL-SEAMS provides a near real-time and site-specific crop monitoring and damage assessment using:

- Geographic Information System (GIS)
- Remote Sensing (RS)
- Normalized Difference Vegetation Index (NDVI).



CL-SEAMS has the capability to:

- determine the characteristics of crop production areas based on historical land cover, weather, and climate data
- map out crop production areas
- monitor crop growth stages
- determine the extent of damages from typhoons, droughts, and floods
- immediately monitor the current state of the crop production areas
- detect possible breeding grounds for pest infestations and outbreaks

Need to know more about Project SARAI and CL-SEAMS? Send us a message thru our email address.

sarai.ph

Project SARAI

Project SARAI

sarai.capdev.uplb@up.edu.ph



Project SARAI



University of the Philippines
LOS BAÑOS

Smarter Approaches to Reinvigorate Agriculture as an Industry in the Philippines

Visit sarai.ph to access more SARAI services and data products!



Rainfall Outlook

Five-month rainfall forecast of municipalities with arable and cultivated land based on land cover classification of DA-BAR



Weather Forecast

A six-day forecast of expected amount of rainfall through installed Automatic Weather Stations



SARAI e-skwela

A Webinar series on smarter technologies, practices, and innovations for agriculture



ICMF Corn Bulletin

Science-based site-specific advisory for corn using SARAI-generated meteorological information for better farm management decision-making



SARAI Knowledge Portal

A digital agriculture knowledge portal that provides access to the program's farming management solutions through web and mobile applications.

Agriculturists and extension workers can retrieve data that can serve as a basis for advisories regarding crops included in SARAI:
rice, corn, banana, coconut, coffee, cacao, sugarcane, tomato, and soybean.



Scan here!

Learn more about smarter agriculture by visiting the SARAI Knowledge Portal!

sarai.ph

Project SARAI

Project SARAI

sarai.capdev.uplb@up.edu.ph



Project SARAI



University of the Philippines
LOS BAÑOS

Smarter Approaches to Reinvigorate Agriculture as an Industry in the Philippines



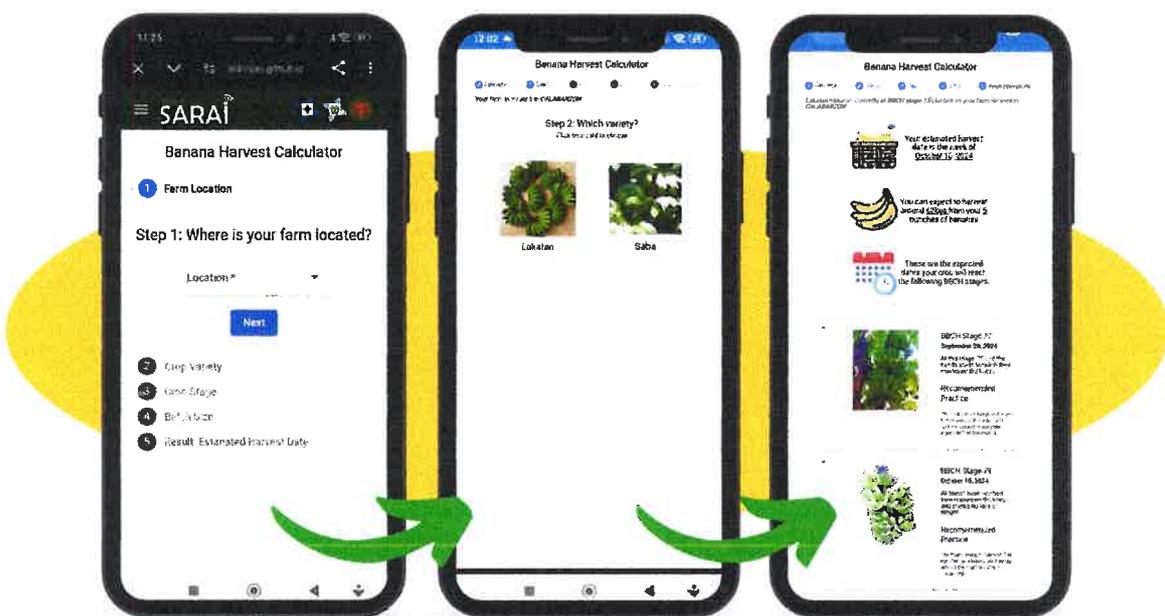
BanaTech Banana Harvest Date Calculator

BanaTech is a mobile application that serves as a harvest date estimator which can help farmers predict the optimum time to harvest Lakatan and Saba/Cardaba.

It is a decision-support tool that can assist farmers in projecting the number of banana bunches harvestable at a given time for efficient farm planning.



BanaTech can also assist traders in projecting the volume of harvest which is essential to harvest collection scheduling.



The application will display the timeline showing the crop's development and when different growth stages will be reached.



FREE

Download now!

Plan your harvest with BanaTech by scanning the QR code.

sarai.ph

Project SARAI

Project SARAI

sarai.capdev.uplb@up.edu.ph



Smarter Approaches to Reinvigorate Agriculture as an Industry in the Philippines



Coffee Application Harvest Estimator (CAPHE)

CAPHE is a mobile application that can give advisories per growth stage of coffee. It can also estimate when it is the best time to harvest coffee beans.

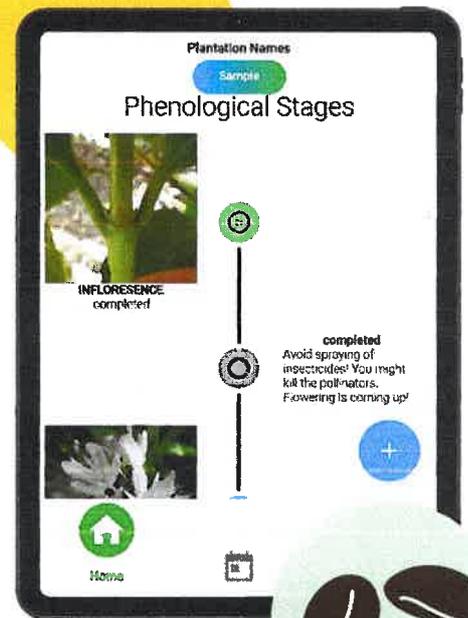
CAPHE was created to introduce an easy way of managing coffee plantations. The application gives the harvest date and growing-degree days requirements of the four main species of coffee from a BBCH score that serves as a starting point for the prediction.

USER INPUT REQUIREMENT

- Name of the Area/Farm
- Location
- Species of the Coffee
- Current macro stage
- Current micro stage

OUTPUT

- Estimated date of harvest
- ICM practices that can be done to sustain growth and development



Download now!

Plan your harvest with BanaTech by scanning the QR code.



imelda sievert <igsievert@gmail.com>

[PROJECT SARAI CENTRO] Request for Letter of Intent

Cathrene Celeste Encina <cathrencina143@gmail.com>

Mon, Sep 22, 2025 at 10:18 AM

To: imelda sievert <igsievert@gmail.com>

Cc: mhardy.montejo@region8.dost.gov.ph

Good day, Ma'am Mimi,

Based on our recent discussion with the Regional SARAI Focal, please be informed that there will be **no financial obligations on the part of the PLGU and selected MLGUs** with respect to this project. The intervention will primarily involve an **intensive capacity-building training** program for the selected MLGUs.

For your guidance, I will be attaching a **sample SB Resolution** as well as a **Letter of Intent** which you may use as reference in facilitating the necessary endorsement from your Sanggunian.

Should you need further clarification, please do not hesitate to contact me through this number, 09994961092.

Best regards,

Cath

[Quoted text hidden]

2 attachments **SOUTHERN LEYTE.pdf**
591K **SARAI Flyer A4-8.pdf**
14042K