DA-PhilRice-IRRI Collaboration

For rice research and development

PRISM

A rice monitoring system to improve rice production in the Philippines

Accurate and timely information on Philippine rice production is the primary aim of the Philippine Rice Information System (PRISM).

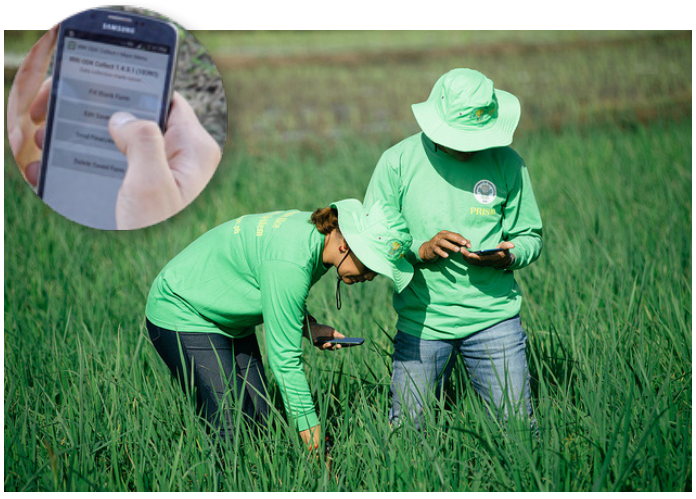
This information comes in the form of maps, statistics, and reports, and covers rice production area, crop health, crop losses due to natural calamities, and assessment and extent of pest damage. These are derived from data collected through remote-sensing technology, crop modeling, and field and farmer surveys.

Information collected by PRISM is made available through a web portal. This will be easily accessed by the Department of Agriculture (DA) and decision-makers at the regional and national levels to guide them in creating policies and plans related to rice production, particularly in mitigating the impacts of natural calamities and reducing yield losses caused by pest injuries.

Objectives

To support the DA in regional and national decision-making for rice security by

- Using state-of-the-art technologies to generate rice crop information.
- Enhancing the capacity of the DA to collect, analyze, disseminate, and use this information.



DA-PhilRice-IRRI Collaboration

For rice research and development

PRISM

A rice monitoring system to improve rice production in the Philippines

Accurate and timely information on Philippine rice production is the primary aim of the Philippine Rice Information System (PRISM).

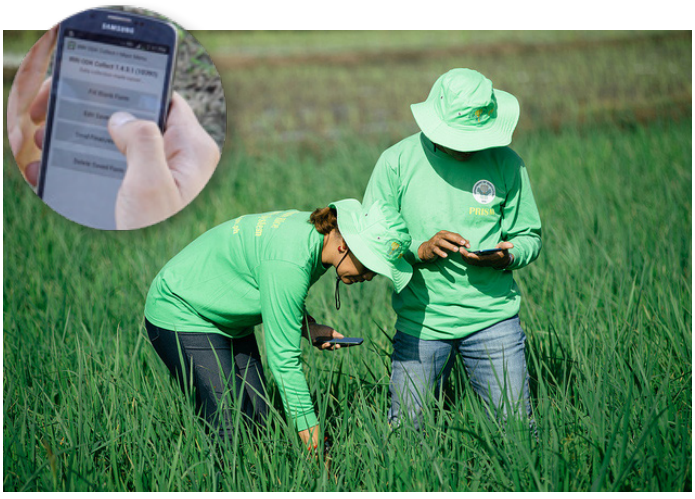
This information comes in the form of maps, statistics, and reports, and covers rice production area, crop health, crop losses due to natural calamities, and assessment and extent of pest damage. These are derived from data collected through remote-sensing technology, crop modeling, and field and farmer surveys.

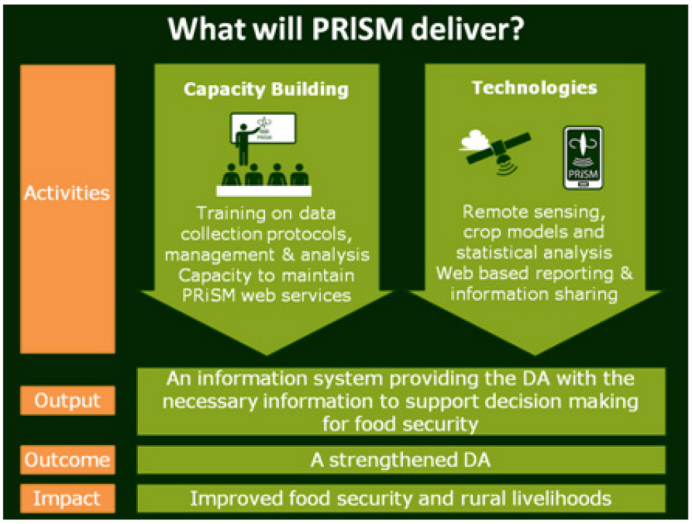
Information collected by PRISM is made available through a web portal. This will be easily accessed by the Department of Agriculture (DA) and decision-makers at the regional and national levels to guide them in creating policies and plans related to rice production, particularly in mitigating the impacts of natural calamities and reducing yield losses caused by pest injuries.

Objectives

To support the DA in regional and national decision-making for rice security by

- Using state-of-the-art technologies to generate rice crop information.
- Enhancing the capacity of the DA to collect, analyze, disseminate, and use this information.





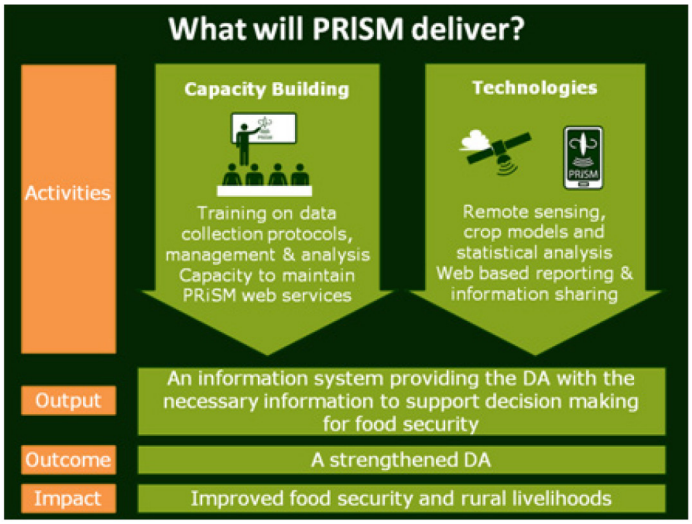
Outputs

- Detailed maps of rice area, start of season, and yield by semester.
- Unbiased damage assessment in times of calamity (9 flood and 2 drought assessments).
- Standardized and efficient protocols for data collection using smartphones.
- Accurate information on production situation and pest injuries based on standardized procedures.
- Improved capacity of national and regional DA staff and local partners in identifying and assessing rice pest injury and characterizing production situations in farmers' fields.

Partners
Philippine Department of Agriculture
DA-Bureau of Agricultural Research
DA-Philippine Rice Research Institute (PhilRice)
sarmap
International Rice Research Institute
DA-Bureau of Soils and Water Management
DA-Bureau of Plant Industry
Philippine Statistics Authority-Bureau of Agricultural Statistics
University of Milan

Contacts
Eduardo Jimmy Quilang (ejp.quilang@philrice.gov.ph)
Alice Laborte (a.g.laborte@irri.org)
Nancy Castilla (n.castilla@irri.org)

November 2016



Outputs

- Detailed maps of rice area, start of season, and yield by semester.
- Unbiased damage assessment in times of calamity (9 flood and 2 drought assessments).
- Standardized and efficient protocols for data collection using smartphones.
- Accurate information on production situation and pest injuries based on standardized procedures.
- Improved capacity of national and regional DA staff and local partners in identifying and assessing rice pest injury and characterizing production situations in farmers' fields.

Partners
Philippine Department of Agriculture
DA-Bureau of Agricultural Research
DA-Philippine Rice Research Institute (PhilRice)
sarmap
International Rice Research Institute
DA-Bureau of Soils and Water Management
DA-Bureau of Plant Industry
Philippine Statistics Authority-Bureau of Agricultural Statistics
University of Milan

Contacts
Eduardo Jimmy Quilang (ejp.quilang@philrice.gov.ph)
Alice Laborte (a.g.laborte@irri.org)
Nancy Castilla (n.castilla@irri.org)

November 2016