

Socioeconomic Rice-Based Information System (PhilRice-SERBIS)

Ronell B. Malasa, Ranxel M. Almario,
Maryflor A. Gacutan, Arturo C. Arocena Jr.
and the Socioeconomics Division staff

October 9, 2015. Training Rooms 1-3



What is SERBIS?

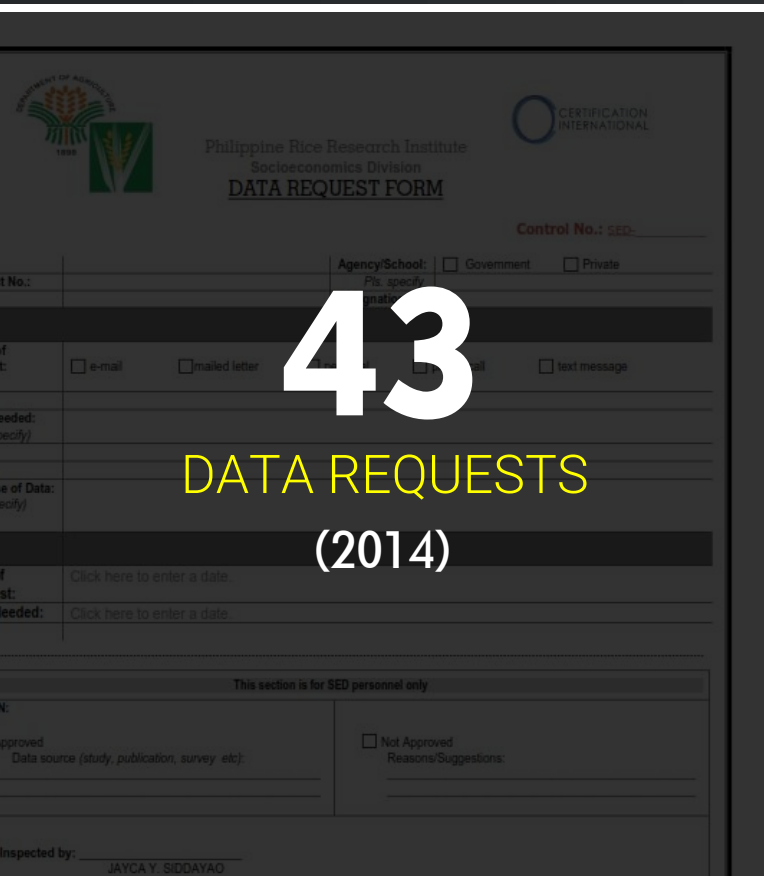
SERBIS or the Socioeconomic Rice-Based Information System is an interactive web-based system that provides an easy access to the outputs of the Rice-Based Farm Household Survey (RBFHS) and other significant accomplishments of Socioeconomics Division.



A person wearing a headset is seen from behind, operating a complex system of multiple computer monitors. The monitors display various data, including a bar chart, a 3D wireframe model, and green digital code resembling the Matrix. The scene is dimly lit, with the primary light source being the screens themselves. The overall atmosphere is one of high-tech surveillance or data processing.

WHY WE DEVELOPED SERBIS?

SED Data Sharing Service



Philippine Rice Research Institute
Socioeconomics Division
DATA REQUEST FORM

Control No.: SED-

Agency/School: ☐ Government ☐ Private

Request Type: ☐ e-mail ☐ mailed letter ☐ text message

43
DATA REQUESTS
(2014)

This section is for SED personnel only

Not Approved
Reasons/Suggestions:

Inspected by: JAYCA Y. SIDDAYAO

Source: 2014 SED Data Request Feedback Report

THE
REALITY

PhilRice website



Source: SimilarWeb LTD

OUR
TARGET

Rationale for SERBIS

Comprehensive farm-level data is
very much needed

A photograph of a person in a red shirt and dark pants working in a field. The person is bent over, possibly planting or weeding. A large log or branch lies on the ground in front of them. The field is green and grassy.

Rationale for SERBIS



RBFHS outputs tend to be limited within the institute

Rationale for SERBIS

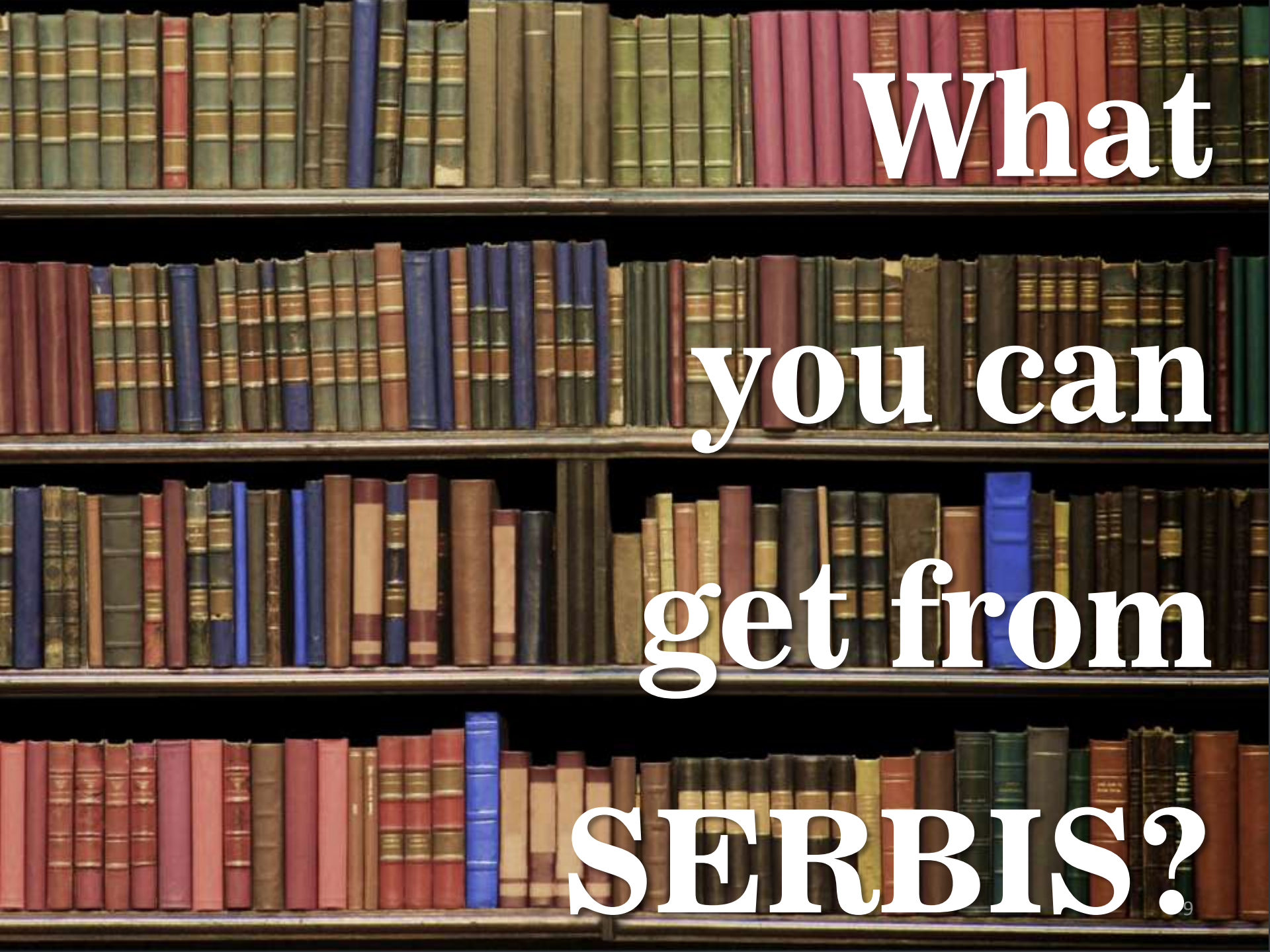


Manual data processing is time-consuming and painstaking

To address these, **SERBIS** was born.



2014



What
you can
get from
SERBIS?

41

national and provincial-level summary tables

from RBFHS 2006 wet season to 2012 dry season



Social profile



Farm profile



Crop
establishment



Seeds and
varieties



Pest
management



Nutrient
management



Cost and
returns



Marketing
practices



Yield



Labor and
mechanization

SOCIOECONOMICS AND TECHNOLOGY PROFILE

Labor costs of rice production, by ecosystem and by cropping season

PHILIPPINES												
Items	JUL-DEC 2006 HARVEST						JAN-JUN 2007 HARVEST					
	ALL ECOSYSTEM		IRRIGATED		NON-IRRIGATED		ALL ECOSYSTEM		IRRIGATED		NON-IRRIGATED	
	n = (1,997)		n = (1,386)		n = (605)		n = (1,459)		n = (1,184)		n = (275)	
	Mean	SD	Mean	SD	Mean	SD	Mean	SD	Mean	SD	Mean	SD
(averages)												
Hired Labor												
Seedling management	66	194	70	200	57	178	38	140	44	152	12	70
Land preparation	1,767	1,584	1,832	1,602	1,614	1,532	1,921	1,692	2,017	1,716	1,508	1,521
Crop establishment	1,546	1,243	1,653	1,242	1,295	1,208	1,768	1,599	1,835	1,663	1,467	1,250
Crop care and maintenance	327	668	334	647	313	716	358	839	379	872	267	671
Harvesting and threshing	4,963	2,522	5,387	2,505	3,982	2,281	5,912	3,292	6,355	3,264	3,983	2,635
Post Harvest Labor	289	396	320	415	217	336	462	635	503	666	283	437
Permanent Labor	571	1,763	692	1,956	280	1,142	882	2,479	997	2,636	387	1,545
Off Labor												
Seedling management	61	59	63	60	58	56	88	90	85	92	101	83
Land preparation	489	564	453	547	570	591	568	635	524	615	758	682
Crop establishment	147	392	113	341	227	480	740	736	844	748	296	469
Crop care and maintenance	1,181	1,098	1,365	1,207	763	622	1,179	797	1,210	812	1,049	714
Harvesting and Threshing	150	580	118	549	227	642	123	547	109	550	184	531
Post Harvest Labor	45	63	40	62	54	66	314	257	309	265	333	218
Total Labor Costs	11,603		12,440		9,657		14,353		15,211		10,631	

Excludes farmers who temporarily stopped farming, experienced crop failure and with inconsistent data for Jul-Dec 2006 harvest (n=2)

Excludes farmers who temporarily stopped farming, experienced crop failure and with inconsistent data for Jan-Jun 2007 harvest (n=533)

Jul-Dec 2006 = 1,999 respondents

Jan-Jun 2007 = 1,992 respondents

Data accessed at Monday 5th of October 2015 10:58:36 AM

Contact:

Socioeconomics Rice-Based Information System

Socioeconomics Division

PhilRice Central Experiment Station

Science City of Muñoz, 3119

Nueva Ecija, Philippines

TRUNKLINES: (044) 456-0285, 0258 local 300, 301

SAVE AS SPREADSHEET

PRINT

RETURN TO DATASETS



Access through
your browser



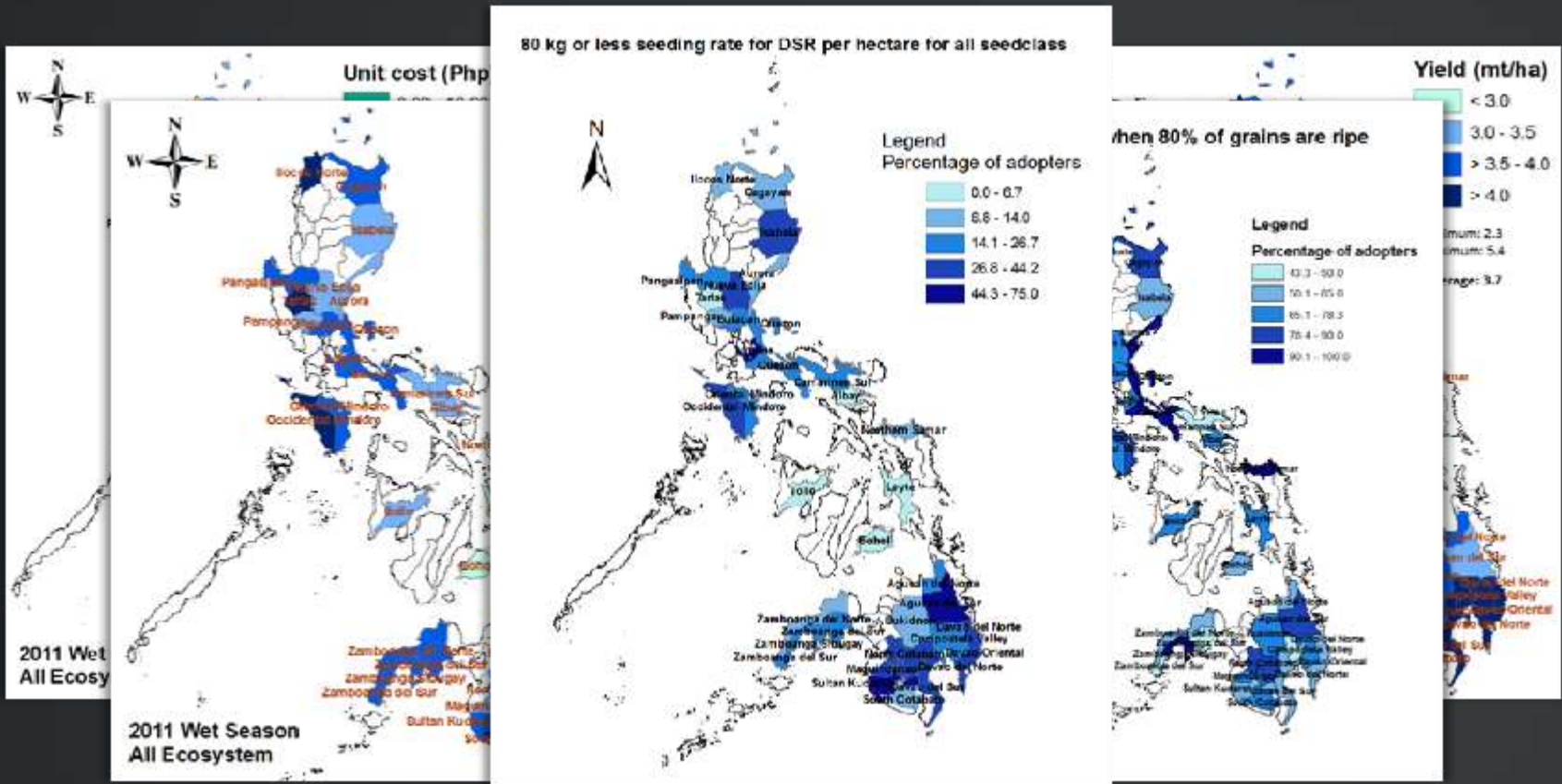
Download it
as a spreadsheet



Print-ready
tables

43

map images
(and more to be uploaded)



Electronic copies of

Papers
Posters

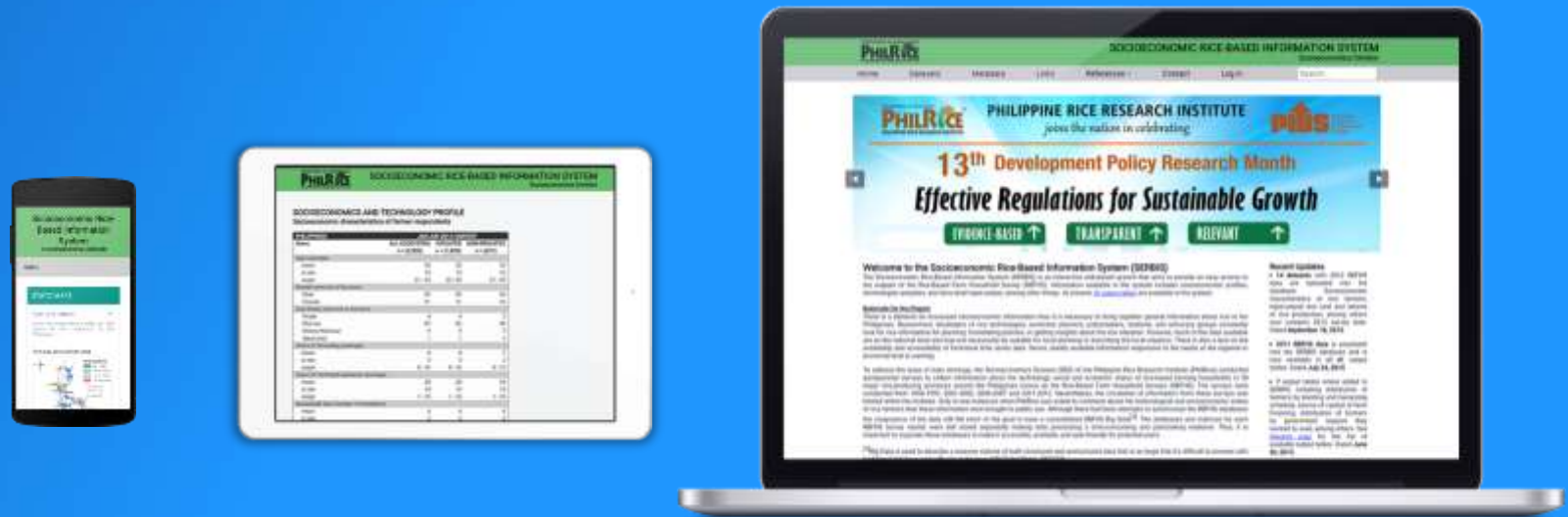
Presentations
Proceedings



that uses RBFHS outputs as
primary or secondary data

and IT'S RESPONSIVE*

* Responsive design is a way to make websites that can be easily viewed and used on any type of device and size of screen. (Peterson, 2014)



A photograph of a laptop screen. The screen is filled with a solid blue color. In the center of the screen, the word "DEMO" is written in a large, white, sans-serif font. The laptop's keyboard is visible at the bottom of the frame, and the black bezel of the screen is visible around the edges.

DEMO

PLANS ← FOR THE FUTURE

Customizable items for summary tables

SOCIOECONOMICS AND TECHNOLOGY PROFILE

Input and output by cropping season

PROVINCES

PHILIPPINES
Ilocos Region
Ilocos Norte
Pangasinan
Cagayan Valley
Cagayan
Isabela
Central Luzon
Aurora
Bulacan

ITEMS

Area planted
Yield
Material inputs
Seed
Fertilizer
Herbicide
Insecticide
Fungicide
Other chemicals
Labor requirements

SEASONS

Jul-Dec 2006
Jan-Jun 2007
Jul-Dec 2011
Jan-Jun 2012

CONTINUE

New summary tables

Farm assets

Prevalent pests and
diseases

Farm machine used

Distribution of farmers by
source of power used

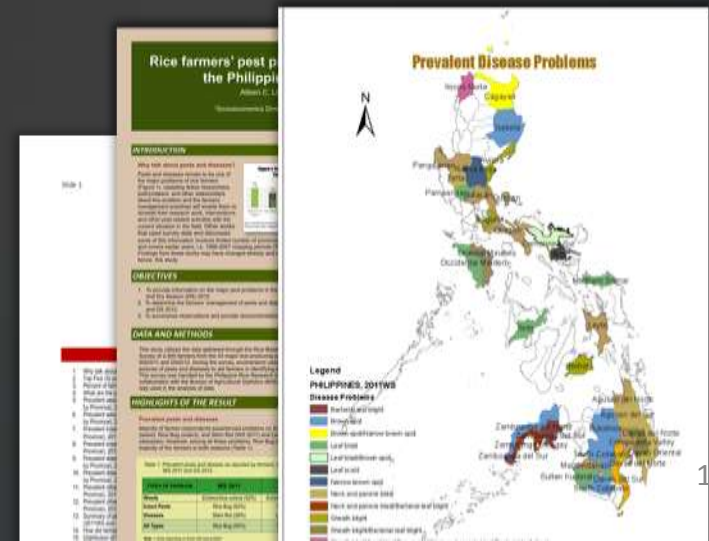
Percent of farm households
in relation with poverty
threshold

among others...

New references

Presentations from the
seminar series

Published papers, journals
and other related
references

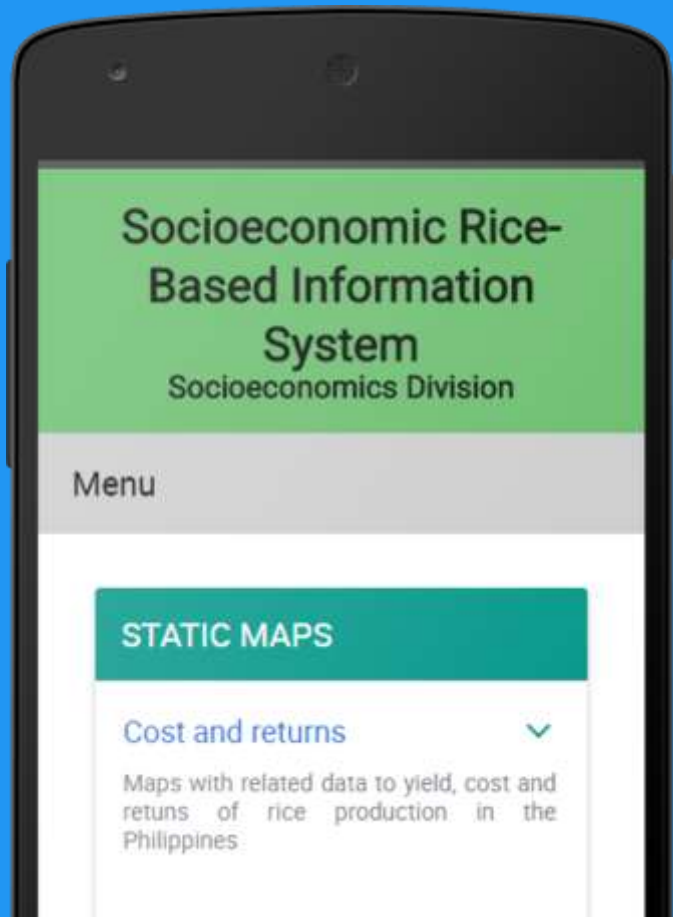


Uploading of updated rice and
rice-related statistics

Zero backlog of RBFHS data
(1996-2002 seasons)

Uploading of 2016 WS and
2017 DS RBFHS data

Thanks
for listening!



Log on to:
192.168.10.19/rbseis/

REFERENCES

- Peterson, C. (2014). What Is Responsive Design? In *Learning responsive Web design: A beginner's guide* (p. 3).
- Philrice.gov.ph Analytics. (2015). Retrieved September 24, 2015, (Available at: www.similarweb.com/website/philrice.gov.ph)
- Socioeconomics Division. (2015). Analysis of data requests and customers' feedback on SED shared data (2014-2015).

IMAGE SOURCES

- Google Images
- Wikimedia Commons
- Rappler
- Compfight
- Dribbble
- The Noun Project



QUICK FEEDBACK

We would like to hear from you. This will only take a minute.

Give your feedback on PhilRice-SERBIS!

Form is at 192.168.10.19/rbseis under Datasets

☐ No (non-PhilRice)

Under what organization/division? *

If PhilRice-based, please cite your division. If not, please cite your office/agency/school.