

# AgMIP-Rice Pilot Team Annual Workshop

3-5 December 2012  
Eagle Room, MSSwaminathan Hall,  
IRRI, Philippines

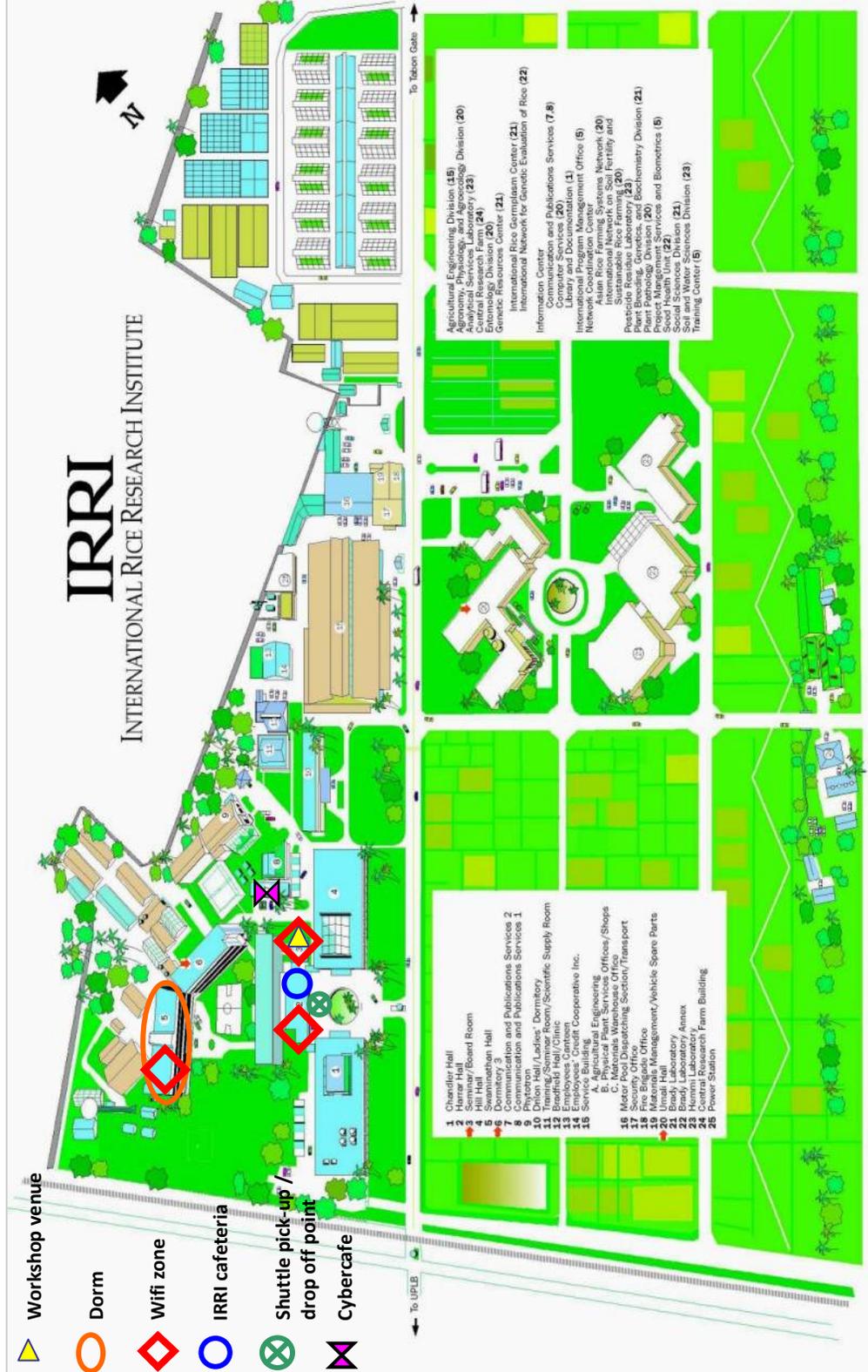


- Program • List of Participants • General Information •

- ▲ Workshop venue
- Dorm
- ◇ Wifi zone
- IRRRI cafeteria
- ⊗ Shuttle pick-up / drop off point
- ✕ Cybercafe

# IRRI

## INTERNATIONAL RICE RESEARCH INSTITUTE



- 1 Chandler Hall
- 2 Herrer Hall
- 3 Hill Hall/Board Room
- 4 Hill Hall
- 5 Swaminathan Hall
- 6 Dormitory 3
- 7 Communication and Publications Services 2
- 8 Communication and Publications Services 1
- 9 Phytotron
- 10 "A. Salazar" Donorship
- 11 Training/Summer Room/Scientific Supply Room
- 12 Breathfield Hall/Clinic
- 13 Employees Center
- 14 Information Center
- 15 Service Building
- 16 Agricultural Engineering Offices/Shops
- 17 Motor Pool Dispatching Section/Transport
- 18 Agricultural Washhouse Office
- 19 Fire Brigade Office
- 20 Motorcade Management/Vehicle Spare Parts
- 21 Umali Hall
- 22 Ready Laboratory Annex
- 23 Herrer Laboratory
- 24 Herrer Laboratory
- 25 Power Station

- 15 Agricultural Engineering Division (15)
- 16 Agronomy, Physiology, and Agroecology Division (20)
- 17 Analytical Services Laboratory (23)
- 18 Entomology Division (20)
- 19 Genetic Resources Center (21)
- 20 International Rice Germplasm Center (21)
- 21 International Network for Genetic Evaluation of Rice (22)
- 22 Information Center
- 23 International Network for Publications Services (7,8)
- 24 Computer Services (20)
- 25 Library and Documentation (1)
- 26 International Program Management Office (5)
- 27 New Rural Program Management Office (5)
- 28 Asian Rice Farming Systems Network (20)
- 29 International Network on Soil Fertility and Plant Breeding, Genetics, and Biometrics (21)
- 30 Pesticide Resistance Laboratory (23)
- 31 Project Management Services and Biometrics (5)
- 32 Seed Health Unit (22)
- 33 Social Sciences Division (21)
- 34 Social Sciences Division (23)
- 35 Training Center (5)



→ To UPLB

→ To Tabor Gate

#### LAUNDRY:

The IRRI Swaminathan Hall dormitory and Guesthouse provides laundry services at personal cost. Please place your clothing in the laundry bag provided in your room. The bag should be properly identified with a laundry slip. Laundry will be collected each morning and returned in the evening of the following day.

#### AUDIOVISUAL SERVICES:

Multi-media and overhead projectors are available. Please advise the audiovisual assistant for any audiovisual need at least two hours before your presentation, and submit your materials to him. Please also get your materials immediately after the presentation. Other audiovisual equipment is available as requested.

#### COMMUNICATION CENTER:

Fax messages may be sent and overseas calls placed (at personal cost) at the IRRI Telecommunications Office located in RCantrell Hall. Personal overseas calls can be made using the PLDT coin-operated pay phones located at the Harrar Hall Breezeway and at the DLUmali Hall.

#### INTERNET:

The wifi (wireless networking) access points installed in all buildings over IRRI campus to provide 'almost seamless' wifi connectivity. Wifi networking on campus is meant for business use, the same terms and conditions that apply to our 'cabled' research network apply to our wifi services. Internet access can also be availed at the IRRI Guesthouse.

#### MEDICAL AND DENTAL NEEDS:

During the day, contact the Secretariat (2228) or mobile +639175096718. After office hours, contact the Matron's Office (tel. 2352); Guesthouse: 2491 / 2237 / 2492

#### CASHIER SERVICES:

The IRRI Cashier's Office is open from Monday to Friday with the following schedule of services:

#### CASH RECEIPTS (payment of bills and allowances)

Monday, Wednesday, and Friday only 0900-1100

#### MONEY EXCHANGE (exchange of US\$ notes or traveler's checks to Philippine Pesos)

Tuesday and Thursday only 1300-1600

#### REIMBURSEMENTS

Please submit all workshop related receipts (if any) to the secretariat during the registration day.

#### HELPFUL IRRI TELEPHONE NUMBERS

- |                               |                              |
|-------------------------------|------------------------------|
| • Secretariat (Lolit Adriano) | 2228 - during workshop hours |
| • Emergency                   | 2222                         |
| • Matron's Office             | 2352 / 2356                  |
| • Guesthouse:                 | 2491 / 2237 / 2492           |
| • Security Office             | 2316                         |
| • Safety Office               | 2332 / 2340                  |

#### Note:

These numbers are local numbers. If you are calling from outside IRRI premises but still located in the Los Baños area, please dial **536 2701** to **05** plus the local number.



## AgMIP-Rice Pilot Team Annual Workshop

**3-5 December 2012**

Eagle Room, MSSwaminathan Hall,  
International Rice Research Institute

The crop simulation models play a crucial role to the goals of AgMIP as they will be used to predict crops response to climate change. To this aim, "crop model teams" for all major food crops were formed to:

- compare the different models' performance for the same crop;
- analyze the models' differences and identify the areas for improvement; and
- use the models to predict climate change impacts.

The overall AgMIP Crop Modeling Team has defined a series of activities that include crop model intercomparisons on a crop-by-crop basis to characterize uncertainties of predicted responses to climate change variables using the carefully gathered inputs and crop responses from the few sentinel sites around the world. Crop-specific analyses are being led and coordinated by "volunteers", who have been developing models for specific crops. The activities are open to all crop models and modeling groups of each target crop. AgMIP envisions that the collaboration between these model groups are mostly done virtually, with crop-specific coordinators as the team leads.

IRRI has accepted the invitation from AgMIP to lead the model intercomparison for rice crop, and in September 2011, has initiated the AgMIP-Rice Pilot Team, which involves 13 rice model teams. All the modeling teams, the "volunteers", contributed their rice models, related modeling studies, time, and resources to promote a series of simulation studies. The IRRI ORYZA2000 team has coordinated the simulation studies and is responsible for the statistical analyses of all model outputs.

For these activities to generate solid output that can contribute to the scientific community, a special workshop will be held at IRRI, Philippines on 3-5 December 2012.

The overall goals of the workshop are to:

- review the results of simulation studies;
- discuss and draft publications;
- identify the weaknesses of rice models, the research topics, and the potential donors;
- initiate the development of a research project;
- continue with the next steps of the rice pilot team; and
- further enhance collaborations.

# Program of AgMIP-Rice Pilot Team Annual Workshop

## Arrival: Sunday, 2 December

- Lunch and dinner at Guesthouse

## Day 1: Monday, 3 December

Topics:

- Summarize the simulation exercises and the preliminary results; and
- Mapping of the similarities and differences in the models' approach on the key crop growth and soil processes

07:30	Leave Guest House for the conference venue	
07:45 – 08:00	Registration	
	<b>Chairman: Dr. Bas Bouman</b>	
08:00 – 08:10	Welcome and introduction of workshop goals	Bas Bouman
08:10 – 08:20	Introduction of participants	
08:20 – 10:00	Summarization of simulation results	Tao Li
10:00 – 10:15	Group photo and Coffee Break	
	<b>Chairman: Dr. Tao Li</b>	
10:15 – 10:40	Outlook of current and future global rice production	Samarendu Mohanty
10:45 – 11:05	The challenging research issues on climate change and rice production	Reiner Wassmann
10:05 – 11:30	The summarization of FACE research	Toshihiro Hasegawa
11:30 – 11:55	The FACE and FATE research in China	Jianguo Zhu
11:55 – 13:00	Lunch at IRRRI Dining Room	
	<b>Chairman: Dr. Xinyou Yin</b>	
13:00 – 13:20	The modeling study using STICS	Francoise Ruget
13:20 – 13:40	The modeling study using RiceGrowth	Liang Tang
13:40 – 14:00	The modeling study using WARM	Roberto Confalonieri
14:00 – 14:20	The modeling study using APSIM-ORYZA	Balwinder Singh
14:20 – 14:40	The modeling study using SAMARA	Myriam Adam
14:40 – 15:10	The modeling study using DNDC-RICE and NIAES	Toshihiro Hasegawa
15:10 – 15:25	Coffee Break	
	<b>Chairman: Dr. Toshihiro Hasegawa</b>	
15:25 – 15:55	The modeling study using SIMRIW and GEMRICE	Hiroe Yoshida
15:55 – 16:15	The modeling study using MCWLA	Fulu Tao
16:15 – 16:35	The modeling study using CERES-RICE	Upendra Singh

## GENERAL INFORMATION

### VENUE:

The **AgMIP Rice Pilot Team Annual Workshop** will be held at the Eagle Room of MSSwaminathan Hall, Ground Floor at IRRRI, Los Baños, Laguna, Philippines on 3 to 5 December 2012. Los Baños is located 60km south of Manila and may take one and a half hours travel time depending on traffic conditions.

### ARRIVAL AT THE AIRPORT:

Provided that you send us your flight details at least a week before you arrive, an IRRRI driver will pick you up at the airport and drop you off at the IRRRI Guesthouse.

### TRANSPORTATION TO / FROM THE AIRPORT:

Local transport will be provided by IRRRI. You will be picked up from the airport and ferried back. For your departure flight, you should be ready to leave IRRRI 4 hours before your expected time of departure (ETD) from the airport. You will be notified when and where you will be fetched to leave for the airport. Information will also be posted.

### MEALS:

Breakfast (06:30 A.M.) and dinner (until 07:00 P.M.) will be served at the IRRRI Guesthouse. Buffet lunch will be served at the IRRRI Dining Room (Harrar Hall) from 3-5 December 2012.

The IRRRI cafeteria serves Filipino, international, vegetarian and Halal meals from 06:30AM until 07:30PM. Outside IRRRI, various restaurants (Japanese, Thai, Filipino, Italian, Korean, Vietnamese, Chinese, American fast foods) are available.

### SOCIALS:

We will host a farewell dinner reception on Wednesday (5 December), 06:30 P.M. Venue will be announced before the dinner. Coaster will be waiting in front of the Guesthouse at 06:20 P.M. and will drop by Harrar Hall at 06:25 PM. Participants are encouraged to wear semi-formal attire or any convenient attire for the dinner.

### LOCAL TRANSPORTATION FROM IRRRI TO UPLB, LOS BAÑOS:

Regular shuttle services to and from IRRRI are available.

#### Schedule

*From IRRRI to Los Baños*  
0845, 0945, 1045, 1200, 1345, 1445,  
1545, 1720, 1800, 1900, 2115, 2230

*From IRRRI to UP OU Gate*  
0730, 1200, 1700, 1800, 1900

#### *From Los Baños to IRRRI*

0715, 0730, 0745 – in front of Vice Chancellor's office  
0915, 1015, 1115 – PhySci bldg. parking area  
1245, 1300 - in front of Vice Chancellor's office  
1415, 1515 - PhySci Bldg. parking area  
1720, 1925, 2125, 2240 – in front of Land Bank UPLB Gate

Jeepneys (local transport) travel to and from IRRRI during the day. Fare is at P8:00 per person. When flagging down a jeepney outside of IRRRI, use the hand signal below and the driver will take you to IRRRI.



Jeepneys and tricycles (motorcycles attached to a side car) may be hired when you return to IRRRI late at night. Fare is negotiated at around P50 to P70 for tricycles and P100 to P150 for jeepneys.

## IRRI Participants

### Angeles, Olivyn

*Crop and Environmental Sciences Division*  
o.angeles@irri.org

### Bouman, Bas

*GRiSP*  
b.bouman@irri.org

### Dingkuhn, Michael

*Crop and Environmental Sciences Division*  
m.dingkuhn@irri.org

### Dobermann, Achim

*Deputy Director General-Research*  
a.dobermann@irri.org

### Li, Tao

*Crop and Environmental Sciences Division*  
t.li@irri.org

### Manalo, Emmali

*Crop and Environmental Sciences Division*  
e.manalo@irri.org

### Marcaida, Manuel

*Crop and Environmental Sciences Division*  
m.marcaida@irri.org

### Mohanty, Samarendu

*Social Sciences Division*  
s.mohanty@irri.org

### Murty, MVR

*Crop and Environmental Sciences Division*  
m.murty@irri.org

### Nelson, Andrew

*Social Sciences Division*  
A.nelson@irri.org

### Radanielson, Ando

*Crop and Environmental Sciences Division*  
A.radanielson@irri.org

### Singh, Balwinder

*Crop and Environmental Sciences Division*  
b.singh@irri.org

### Tuong To Phuc

*Crop and Environmental Sciences Division*  
t.tuong@irri.org

### Wassmann, Reiner

*Crop and Environmental Sciences Division*  
r.wassmann@irri.org

16:35 – 16:55	The modeling study using GECROS	Xinyou Yin
16:55 – 17:15	The modeling study using ORYZA2000	Tao Li
17:15 – 17:30	Closing and take home task	Toshihiro Hasegawa, Xinyou Yin, and Tao Li
17:30	Shuttle pickup going to the Guesthouse	
18:30	Dinner at the Guesthouse	

## Day 2: Tuesday, 4 December

Topics:

1. Discuss the strategies on:
  - the number, title, and content of publications;
  - the composition of the group and authorship for publications; and
  - the release of results to generate secondary outputs.
2. Feedback for further analyses and simulations.
3. Outline the paper.

07:30 - 07:45 Leave Guesthouse for the conference venue

### Chairman: Dr. Bas Bouman

08:00 – 10:00 Discuss the publication strategies

10:00 – 10:15 Coffee Break

10:15 – 11:50 Group discussion for paper outline:

- Group I: CESD Conference Room I
- Group II: CESD Conference Room II
- Group III: KHL, 1st Floor Conference Room

11:50 – 13:00 Lunch at IRRI Dining Room

### Chairman: Dr. Tao Li

13:00 – 14:30 Group presentation and discussion on the paper outline; and feedback for further analyses and simulations

14:30 – 14:45 Coffee Break

14:45 – 17:15 Group discussion for the paper's skeleton

17:30 – 17:45 Shuttle pickup going to the Guesthouse

18:30 Dinner at the Guesthouse

\*\*\* Group may continue to work together on the paper.

## Day 3: Wednesday, 5 December

### Topics:

1. Complete the paper skeleton, and the schedule of submission;
2. Draft research and model improvement proposal.

07:30 - 07:45 Leave Guesthouse for the conference venue

### Chairman: Dr. Toshihiro Hasegawa

08:00 – 09:30 Group presentation and discussion on the paper's skeleton

09:30 – 10:00 Identify further data analyses and simulations, and make an outline of the work schedule

10:00 – 10:15 Coffee Break

10:15 – 11:50 Group discussion for developing details of the paper, and schedule the work timeline

11:50 – 13:00 Lunch at IRRI Dining Room

### Chairmen: Dr. Tao Li, Toshihiro Hasegawa and Xinyou Yin

13:00 – 14:00 Group presentation for the paper writing schedule

14:00 – 15:00 Identify the common and most important improvements for all model, the common research topics; and the data release

15:00 – 15:15 Coffee Break

15:15 – 16:45 Continue the discussion on research and model improvements proposal, and identify potential funders

16:45 – 17:45 Wrap-up and Closing

Tao Li,  
Toshihiro Hasegawa,  
and Xinyou Yin

17:45 Shuttle pickup going to the dinner venue

18:30 Dinner (venue to be announced)

## Departure: Thursday, 6 December

- **Note:**  
For your departure flight, you should be ready to leave IRRI 4 hours before your expected time of departure (ETD) from the airport.
- Group Leads of each modeling team will stay for another two days to work on the paper overview, and the research and model improvements proposal.

## List of Participants

### Adam, Myriam— SAMARA

*Centre de Coopération Internationale en Recherche Agronomique pour le Développement, France*  
myriam.adam@cirad.fr

### Boote, Kenneth

*University of Florida, USA*  
kjboote@ufl.edu

### Bregaglio, Simone— WARM

*University of Milano, Italy*  
simone.bregaglio@unim.it

### Confalonieri, Roberto— WARM

*University of Milano, Italy*  
roberto.confalonieri@unimi.it

### Hasegawa, Toshihiro— DNDC-rice, NIAES-rice

*National Institute for Agro-Environmental Sciences, Japan*  
thase@affrc.go.jp

### Liang, Tang

*Nanjing Agricultural University, China*  
Tangl@njau.edu.cn

### Ruget, Françoise— STICS

*Institute National de Recherche Agronomique, France*  
francoise.ruget@avignon.inra.fr

### Tao, Fulu

*Institute of Geographic Sciences and Natural Resources Research, Chinese Academy of Sciences, China*  
taofl@igsnr.ac.cn

### Yin, Xinyou— GECROS

*Wageningen University and Research Center, The Netherlands*  
xinyou.yin@wur.nl

### Yoshida, Hiroe— SIMRIW, GEMRICE

*National Agriculture and Food Research Organization, Japan*  
hiroey@affrc.go.jp

### Zhu, Jianguo— CGIAR-NSFC Project

*Institute of Soil Science, Chinese Academy of Sciences, China*  
jgzhu@issas.ac.cn

## Secretariat

### Adriano, Lolita

*Crop and Environmental Sciences Division*  
l.adriano@irri.org