

MARCO/GRA Joint Workshop

On Paddy Field Management and Greenhouse Gases

September 1-3, 2010
Tsukuba, Japan

GLOBAL
RESEARCH
ALLIANCE

ON AGRICULTURAL GREENHOUSE GASES



Monsoon Asia Agro-Environmental Research Consortium (MARCO)



MARCO members:

Korea: • National Academy of Agricultural Science

China: • Institute of Soil Science

• Institute of Applied Ecology

• Cold and Arid Regions Environmental and Engineering Research Institute

• Inner Mongolia University

Laos: • National Agriculture and Forestry Research Institute

Thailand: • Department of Agriculture

• King Mongkut's Univ. of Technology

Malaysia: • Department of Meteorology

Indonesia: • Environmental Research Institute of South East Asia

• Bogor Agricultural University

Bangladesh : • Bangladesh Agricultural University

India: • National Physical Laboratory

Japan: • National Institute for Agro-Environmental Sciences

• Environmental Diplomatic Leader Education, University of Tsukuba

Monsoon Asia Agro-Environmental Research Consortium (MARCO)

- 2006 December, Tsukuba: NIAES symposium “Evaluation and Effective Use of Environmental Resources for Sustainable Agriculture in Monsoon Asia: Toward International Research Collaboration”
- 2007 October, Tsukuba: ESAFS-JSSSPN-NIAES-JIRCAS-NARO.NARC-FFTC International Symposium “New Challenges for Agricultural Science : Harmonizing Food Production with the Environment.”
- 2007 October, Tsukuba: NIAES International Symposium 2007 “Invasive Alien Species in Monsoon Asia: Status and Control”
- 2008 October, Tsukuba: Marco Workshop “A New Approach to Soil Information Systems for Natural Resources Management in Asian Countries”
- 2009 September, Nanjing: MARCO Satellite Meeting: International Conference on the Environmental Impacts of Carbon and Nitrogen Cycles in Terrestrial Ecosystems in East Asia
- 2009 October, Tsukuba: MARCO Symposium 2009 “Challenges for Agro-Environmental Research in Monsoon Asia”
- 2010 September, Tsukuba: MARCO/GRA Joint Workshop on Paddy Field Management and Greenhouse Gases
- 2010 September/October, Bogor: MARCO-FFTC International Workshop on Evaluation and Sustainable Management of Soil Carbon Sequestration in Asian Countries
- 2010 November, Tsukuba: MARCO-FFTC International Seminar on Enhancement of Functional Biodiversity Relevant to Sustainable Food Production in ASPAC

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3 DAYS' PROGRAM

September 1, Wednesday

- **Scientific Symposium for Oral Presentations of Research**

Venue: Epochal Tsukuba Room 200

September 2, Thursday

- **Meeting of GRA paddy field management research group**

Venue: Epochal Tsukuba Room 201B

September 3, Friday

- **One day Field Excursion**

September 1, Wednesday

**– Scientific Symposium for Oral Presentations
of Research**

Contents

■ Keynote Lectures (3 lectures, 30 min each)

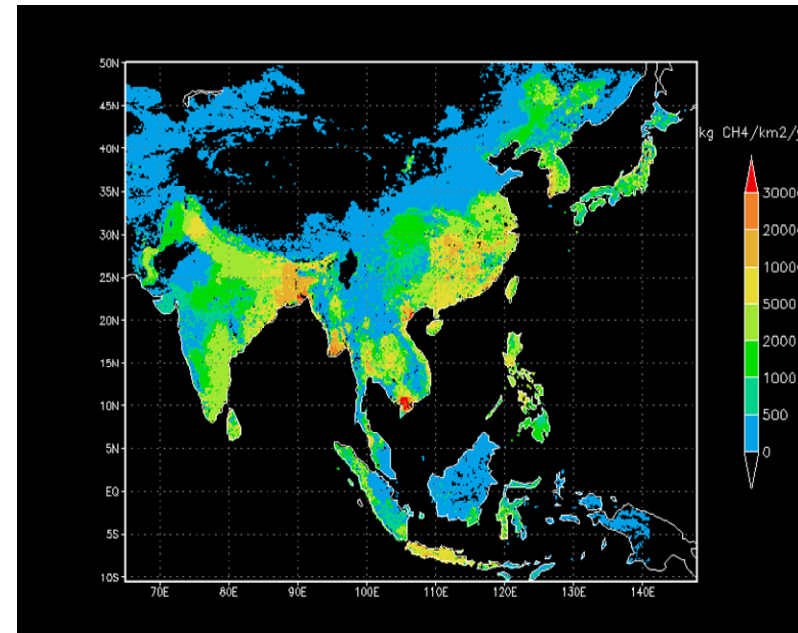
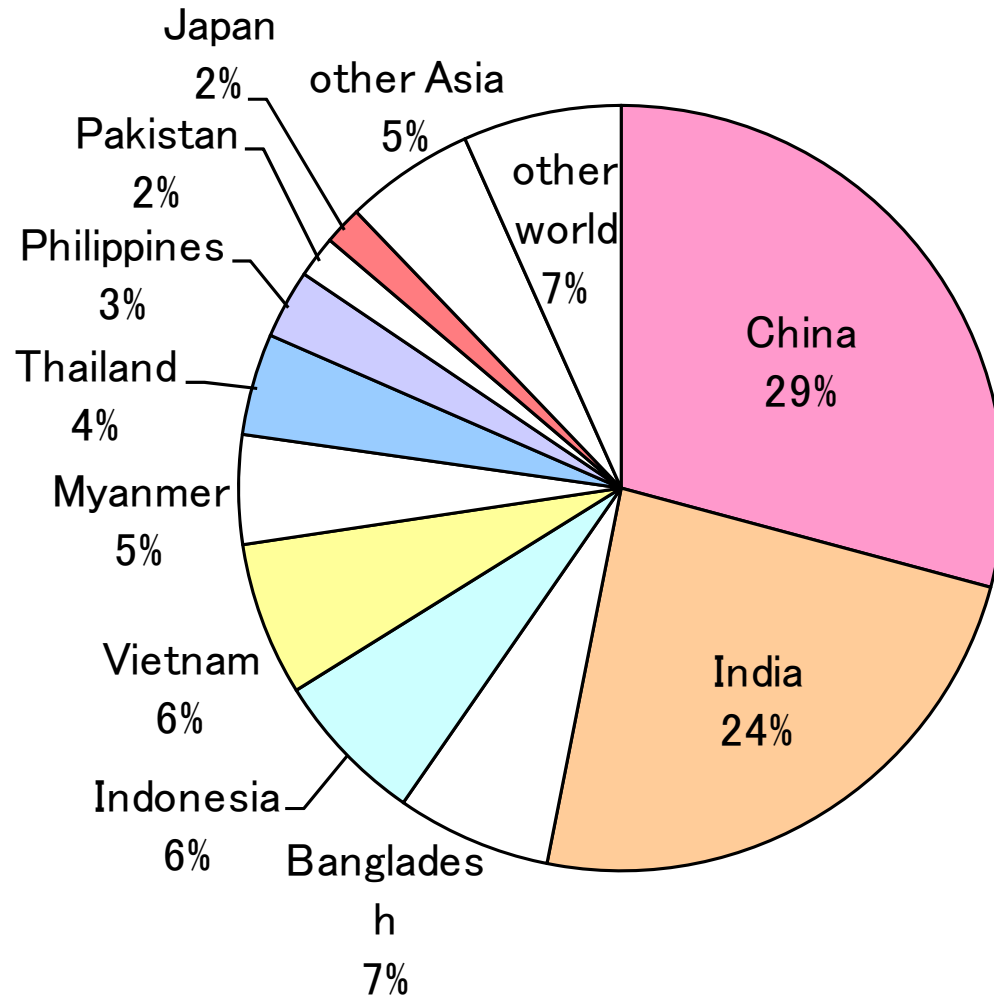
- GRA: Global Research Alliance**
- IRRI Activities**
- Overview of GHG Mitigation in Paddy Fields**

■ Country Reports (11 reports, 20 min each)

- China, India, Indonesia, Vietnam, Thailand, the Philippines, Malaysia, Uruguay, and Japan**

Rice CH₄ Estimates

By Yan *et al.*, GBC (2009)



Total: 25.1 Tg/yr

September 2, Thursday

**– Meeting of GRA Paddy Field
Management Research Group**



AGENDA

- **Overview of results of stock-taking exercise**
- **Analysis of research group stock-take**
- **Discussing research group governance**
- **Discussing future activities of the research group**

September 3, Friday

– One day Field Excursion

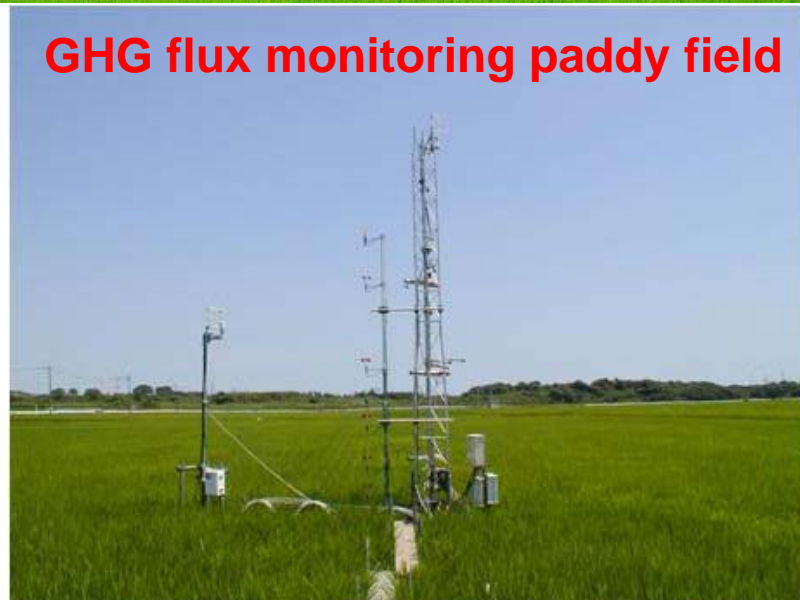
ITINERARY



Rice-FACE experiment site



Natural Resources Inventory Museum



GHG flux monitoring paddy field



NIAES GHG monitoring facility

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aims;

- (1) To summarize the stock-take of research activities in each country,**
- (2) To identify gaps in knowledge at each country, and**
- (3) To discuss future research needs and possible forms of cooperation.**

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Official Language:

The official language of the Workshop will be **English**. **However**, voluntary service of simultaneous translation for any monsoon Asian languages are welcome, in particular during the discussion sessions.