

**JIRCAS-NARO International Symposium
on Agricultural Greenhouse Gas Mitigation**

Date: August 31, 2017

Venue: Tsukuba International Congress Center (Epochal Tsukuba), Convention Hall 200

Organized by: Japan International Research Center for Agricultural Sciences (JIRCAS)
National Agriculture and Food Research Organization (NARO)

Sponsored by: Agriculture, Forestry and Fisheries Research Council (AFFRC), Ministry
of Agriculture, Forestry and Fisheries (MAFF)

Supported by: Global Research Alliance on Agricultural Greenhouse Gases (GRA)
Monsoon Asia Agro-Environmental Research Consortium (MARCO)

Background:

- The significance of reducing agricultural greenhouse gas emissions while sustaining production
- The Symposium is planned in line with the activities of Global Research Alliance on Agricultural Greenhouse Gases (GRA)
- The Symposium is scheduled in conjunction with 2017 GRA Council meeting

Objectives:

- Exchanging the status quo of problems and the latest results of studies on agricultural greenhouse gas emissions for mitigating climate change while sustaining production, in particular those in Asian countries
- Discussing the direction of future research and ways to strengthen collaboration for the challenges with the framework of GRA

Target audiences:

- Relevant research communities, in particular those in Japan and other Asian countries
- Policy makers (GRA Council)
- GRA partners
- other participants from Japan.

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| | start | end | time (min) | Session | Address/Presentation (Provisional title) | Contributor | Affiliation |
|----|-------|-------|------------|-----------------------------------|--|------------------------|--------------------------------|
| 1 | 9:30 | 9:40 | 0:10 | Opening | Opening address | Masa Iwanaga | JIRCAS |
| 2 | 9:40 | 9:50 | 0:10 | Opening | Welcome address | TBD | AFFRC-MAFF |
| 3 | 9:50 | 10:30 | 0:40 | Keynote lectures | Climate change and agriculture | Jean-Francois Soussana | INRA, France |
| 4 | 10:30 | 10:50 | 0:20 | Keynote lectures | Outlines of GRA research activities | Kazuyuki Yagi | NARO, Japan |
| 5 | 10:50 | 11:05 | 0:15 | Break | | | |
| 6 | 11:05 | 11:30 | 0:25 | Session 1: Livestock | Methane emissions and energy utilization of cattle in the tropics | Kritapon Sommart | Khon Kaen University, Thailand |
| 7 | 11:30 | 11:55 | 0:25 | Session 1: Livestock | Nitrous oxide, methane and ammonia mitigation trials in swine wastewater purification | Takashi Osada | NARO, Japan |
| 8 | 11:55 | 12:20 | 0:25 | Session 1: Livestock | Presentation 3 | TBD | GRA LRG? |
| 9 | 12:20 | 13:30 | 1:10 | Lunch | | | |
| 10 | 13:30 | 13:55 | 0:25 | Session 2: Rice | Greenhouse gas mitigation by alternate wetting and drying water management in irrigated rice paddies in southeast Asia | Kazunori Minamikawa | NARO, Japan |
| 11 | 13:55 | 14:20 | 0:25 | Session 2: Rice | Application of AWD in Vietnam | TBD | Vietnam or JIRCAS |
| 12 | 14:20 | 14:45 | 0:25 | Session 2: Rice | IRRI's activities on greenhouse gas mitigation in rice cultivation | Bjoern Ole Sander | IRRI |
| 13 | 14:45 | 15:10 | 0:25 | Session 2: Rice | Rice GHG studies in the Americas | TBD | CIAT or Brazil |
| 14 | 15:10 | 15:25 | 0:15 | Break | | | |
| 15 | 15:25 | 15:50 | 0:25 | Session 3: Cropland & Integrative | Biological nitrification inhibition | Guntur Subbarao | JIRCAS, Japan |
| 16 | 15:50 | 16:15 | 0:25 | Session 3: Cropland & Integrative | Climate-Smart Village: an integrated scaling up approach to mitigating climate change in African agriculture | Robert B. Zougmore | CCAFS, ICRISAT Bamako |
| 17 | 16:15 | 16:40 | 0:25 | Session 3: Cropland & Integrative | Soil carbon sequestration and GHG mitigation in the agriculture sector of Japan | Yasuhito Shirato | NARO, Japan |
| 18 | 16:40 | 17:05 | 0:25 | Session 3: Cropland & Integrative | Introduction to the Workshop on Greenhouse Gas Inventories in Asia (WGIA) | Hiroshi Ito | GIO, NIES, Japan |
| 19 | 17:05 | 17:20 | 0:15 | Session 4: Wrap-up | Wrap-up presentation | Masa Iwanaga | JIRCAS |
| 20 | 17:20 | 17:30 | 0:10 | Closing | Closing address | Tokio Imbe | NARO |