









JIRCAS-NARO国際シンポジウム 農業分野における 温室効果ガス排出削減

JIRCAS-NARO International Symposium on Agricultural Greenhouse Gas Mitigation

日時: 平成29年8月31日(木)9:30~17:15

場所:つくば国際会議場(エポカルつくば)

主催(共催):

国際農林水産業研究センター(JIRCAS)

農研機構(NARO)

協賛:農林水産省農林水産技術会議事務局

使用言語:英語(日本語同時通訳あり)

国際研究ネットワーク「農業分野の温室効果ガスに関するグローバル・リサーチ・アライアンス(GRA)」において、今回、我が国がGRA議長国として、8月29~30日に理事会がつくばで開催されます。これに合わせ、我が国とアジアにおける研究成果を中心に、GRAの研究活動をご紹介し、ご理解いただくことを目的として、標記の国際シンポジウムを開催します。

GLOBAL RESEARCH ALLIANCE

ON AGRICULTURAL GREENHOUSE GASES

We bring countries together to find ways to grow more food without growing GHG emissions.

つくりながらまもる Tsukuri nagara Mamoru.

- 2009 December, Was established in the margins of the UNFCCC Conference of Parties (COP15), Copenhagen, Denmark
- 2010 April, 1st Senior Officials' Meeting, Wellington, New Zealand
- 2011 March, 2nd Senior Officials Meeting, Versailles, France
- 2011 June, Ministerial Summit & 1st Council Meeting, Rome, Italy
- 2012 June, 2nd Council Meeting, Saskatoon, Canada
- 2013 June, 3rd Council Meeting, Montevideo, Uruguay
- 2014 June, 4th Council Meeting, The Hague/Wageningen, the Netherlands
- 2015 September, 5th Council Meeting, Des Moines, Iowa, USA
- 2016 October, 6th Council Meeting, Mexico City, Mexico
- 2017 August, 7th Council Meeting, Tsukuba, Japan
- 2018, 8th Council Meeting, Germany



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ON AGRICULTURAL GREENHOUSE GASES

partner organisations

Over 3000 scientists

involved in activities of the GRA

AT A GLANCE









Rice Livesto



Croplands Research Group



Integrativ Research Group





international collaborative projects supporting the GRA





19 technical training workshops held



technical guidelines, resource materials and databases produced











fellowships awarded to

recipients from **25** countries







globalresearchalliance.org

@GRA_GHG

June 2017

ON AGRICULTURAL GREENHOUSE GASE

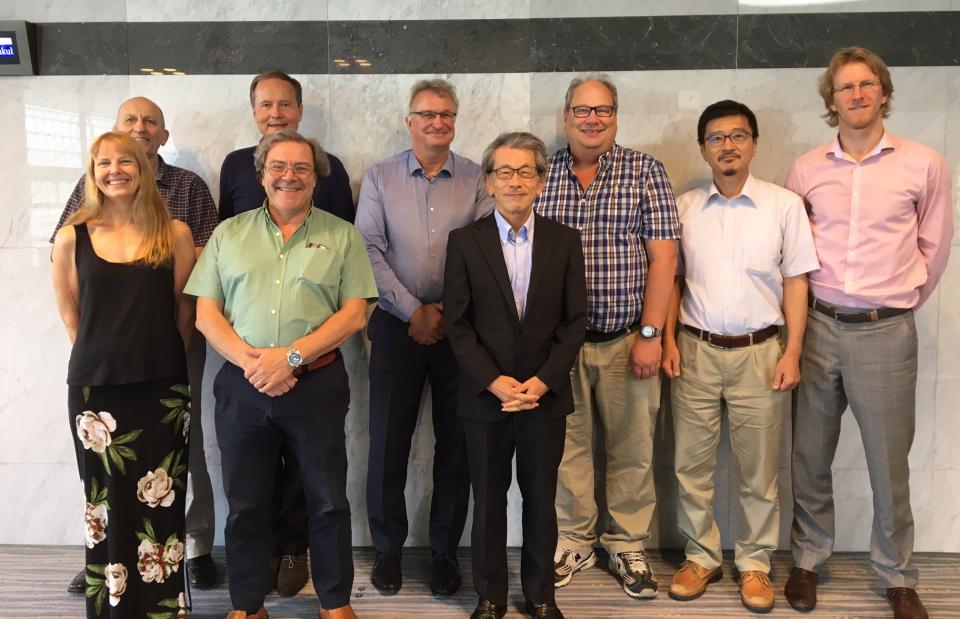
ALLIANCE COUNCIL

RESEARCH GROUPS

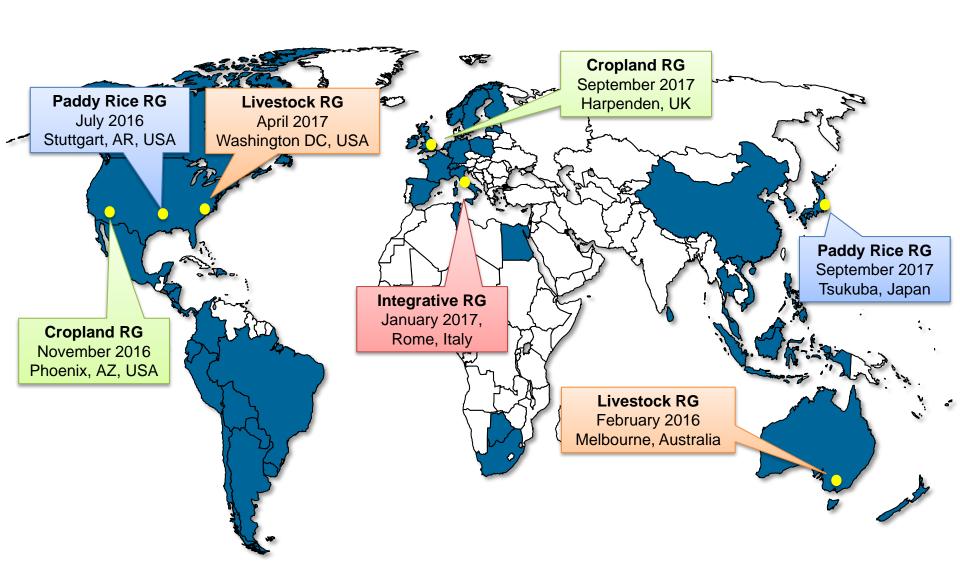


ALLIANCE SECRETARIAT

Team of Co-Chairs with Chair 2017



Research Group Meetings 2016-2017



Research Group Meetings

GLOBAL



Partner Organizations

GLOBAL RESEARCH ALLIANCE































Web Page



ON AGRICULTURAL GREENHOUSE GASES



August 2, 2017 • 🔟 News

NEW BROCHURE FOR THE CONSERVATION AGRICULTURE

The Conservation Agriculture Network of our Croplands Research Group. led by Canada, has produced a new brochure of July 27, 2017 • @ News

JOB OPPORTUNITIES WITH THE UNITED NATIONS' CAPITAL

A number of opportunities are currently available for research and officer positions with the United Nations' Capital July 26, 2017 · 個 News

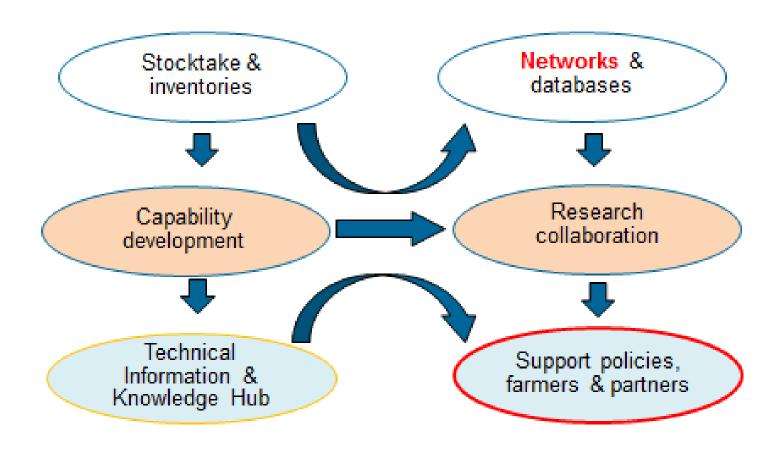
FIRST GLOBAL SUSTAINABLE RICE CONFERENCE &

The Sustainable Rice Platform (SRP) is holding the 2017 Sustainable Rice Conference and Exhibition at the UN

www.globalresearchalliance.org

Outline of Work 2011-2016

Common understanding



Concerted actions

Animal Selection, Genetics & Genomics Network

- Practice brief for policy makers on improved ruminant genetics for productivity and climate change outcomes
- Advanced state of knowledge on breeding low-emitting animals

Rumen Microbial Genomics Network

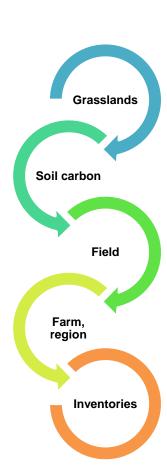
- Ground-breaking research in understanding rumen composition across animal species
- Development of global reference sets of data on the rumen microbiome

20 (4)

Feed & Nutrition Network

- Major global databases on predicting and mitigating livestock GHGs through feed & nutrition – being used in IPCC guidance
- Improvements to global good practice for research techniques

- Soil carbon network: C-MIP, testing soil carbon models on a global network of long-term bare fallow sites (launched)
- Field scale network: GHG-MIP (in revision, Global Change Biology), showing that the median of 3-4 simulation models predicts within experimental error N₂O emissions and yields of crop rotations and grasslands at 10 sites across 4 continents.
- Farm-Region network: first global map showing organic carbon inputs to soils required to reach the 4 per 1000 target (presented at COP23, Marrakech)
- Coordination of international cooperation for soil carbon sequestration research (CIRCASA project, 17 countries) funded by European Commission

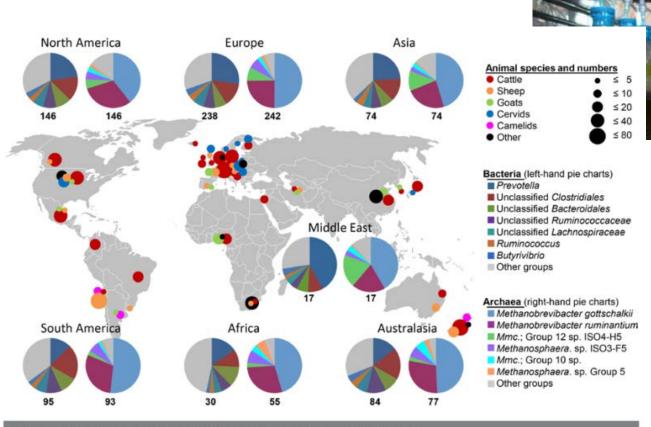


Collaborative Research Projects Livestock Research Group

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e.g. Global Rumen Census, Methane inhibitors, low methane rumen



Active research networks leading major projects incl. methodological standardisation, data collections and identification of new mitigations

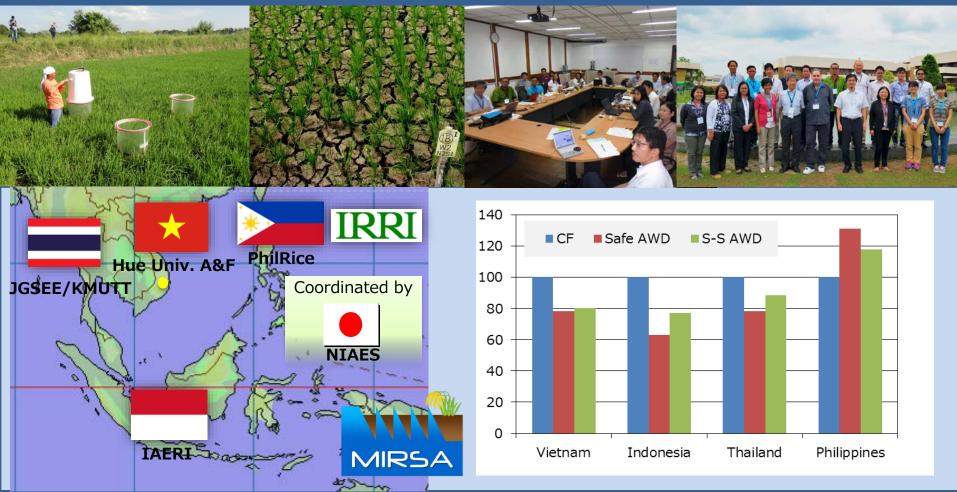
Collaborative Research Projects Paddy Rice Research Group

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MIRSA Project

(Greenhouse Gas Mitigation in Irrigated Rice Paddies in Southeast Asia)



MAGGnet

 International metadata collections of relevant publication on agricultural management influences on GHG fluxes, carbon sequestration (including long-term experimental sites)

GRAMP





Social media activities

- via Facebook and Website
- Literature Database



Communication Research Group Brochures

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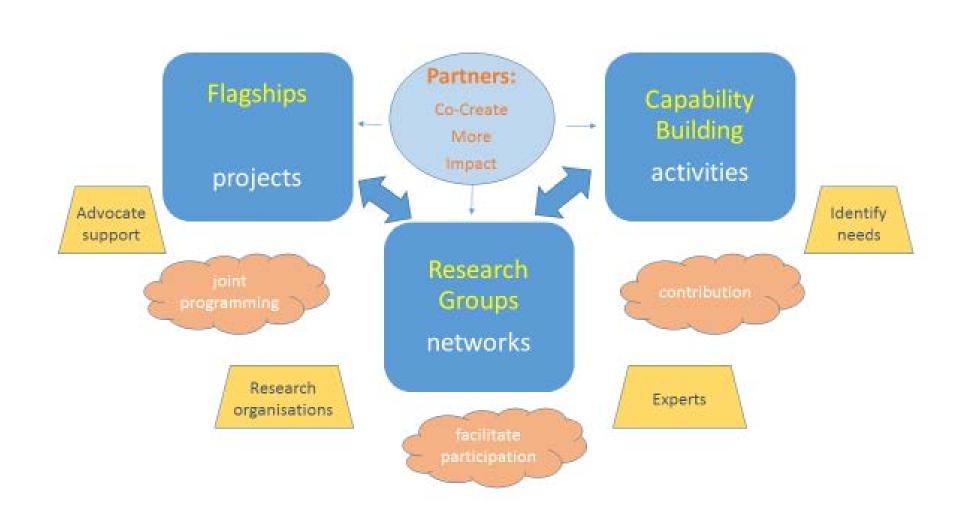
GRA Flagship Projects



- Addresses a critical research and/or capability building need of the GRA
- Provides unique GRA value-add, by making a major contribution to:
 - Reducing greenhouse gas emissions while supporting food security
 - Advancing global knowledge through collaboration
 - Supporting countries in their developing and implementing solutions
 - GRA Council endorsed development of four GRA Flagships in 2016:
 - Enteric Fermentation
 - Agricultural GHG Inventories
 - Soil Carbon Sequestration
 - Rice Systems
 - New Flagships are under preparation:
 - Circular Economy
 - Nitrous Oxide

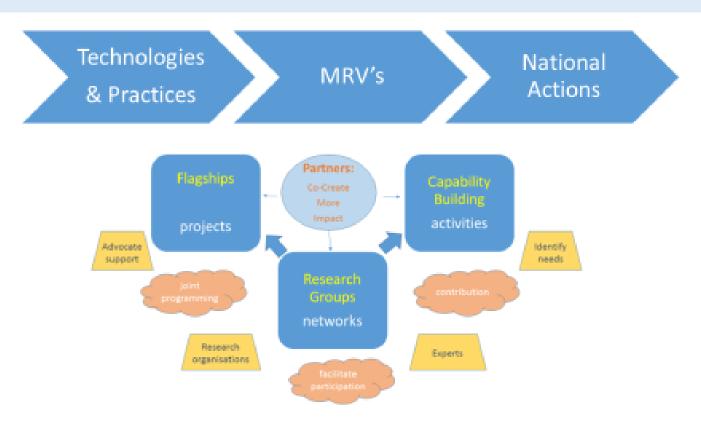
Outline of Work updated 2017+

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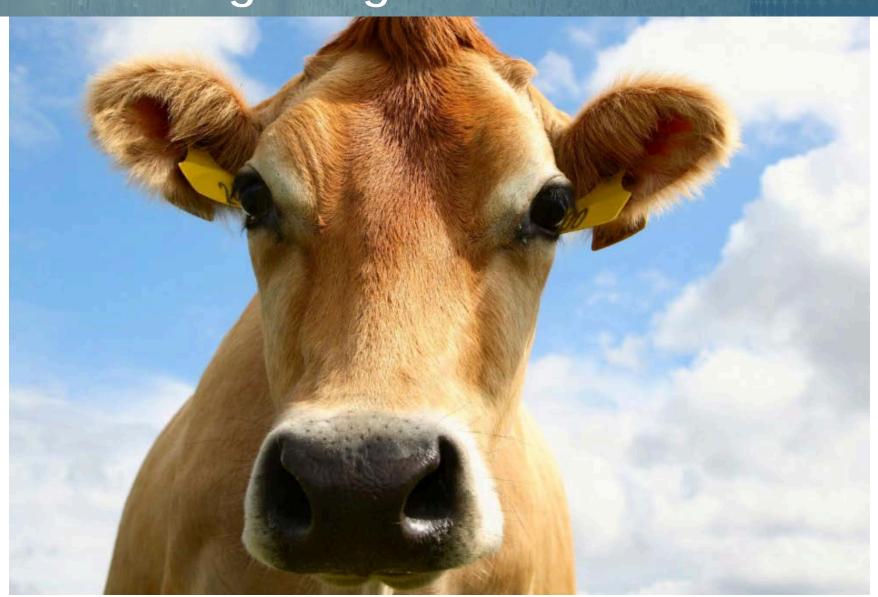


FOR MORE INFORMATION

www.globalresearchalliance.org secretariat@globalresearchalliance.org Twitter: @GRA_GHG

ありがとうございます。 Arigatou gozaimasu.

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本日はよろしくお願いします。 Enjoy the Symposium Today!

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