



GLOBAL RESEARCH ALLIANCE

ON AGRICULTURAL GREENHOUSE GASES

11 August 2018

SECRETARIAT UPDATE



50
member
countries

Paddy Rice
Research
Group

Croplands
Research
Group

Integrative
Research
Group

18 Science Networks

17 partner organisations 



Over **3000** scientists involved in activities of the GRA



66 international collaborative projects supporting the GRA



87 fellowships awarded to recipients from **33** countries



32 technical training workshops held



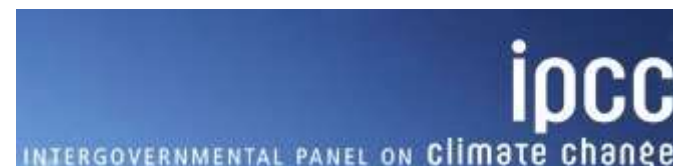
21 technical guidelines, resource materials and databases produced



PARTNER ORGANISATIONS

GLOBAL
RESEARCH
ALLIANCE

ON AGRICULTURAL GREENHOUSE GASES



**Inter-American
Development Bank**

worldAgriculturalforum



2017 COUNCIL MEETING OUTCOMES

- Germany confirmed as vice-Chair.
- Livestock and Paddy Rice Research Groups call for Members to support a 3rd Co-Chair of each Group.
- Develop an inventory of capability building needs - and survey of capability fellowships and training events.
- Research Groups proposed developing regional capability building activities, coordinated across all Groups.
- Facilitate capability building support – including fellowships.
- Council Members to identify the Flagship projects they will support.
- New Partners – ISRIC, GAA and WBCSD.

2018 COUNCIL MEETING

GLOBAL
RESEARCH
ALLIANCE
ON AGRICULTURAL GREENHOUSE GASES

- 10-13 September, Berlin, Germany
- Council meeting (10-11 September)
 - Research Group Reports.
 - GRA Flagships – update on existing and new proposals.
 - Regional capability building activities.
 - Koronivia work plan for Agriculture in the UNFCCC.
 - Aligning capability building with GRA Partners.



INTERNATIONAL CONFERENCE

GLOBAL
RESEARCH
ALLIANCE
ON AGRICULTURAL GREENHOUSE GASES



RESEARCH PROGRAM ON
Climate Change,
Agriculture and
Food Security



- International Conference on Agricultural GHG emissions and Food Security: Connecting research to policy and practice.
- Jointly organised by GRA and FACCE-JPI, in partnership with CCAFS, and hosted by the Thünen Institute.
- Science Conference (10-11 September)
- Stakeholder Conference (11-12 September)
 - Communicating research outcomes of the GRA, FACCE-JPI and CCAFS to policy makers, research coordinators, NGOs, industry and farmer organisations.

LIVESTOCK RESEARCH GROUP

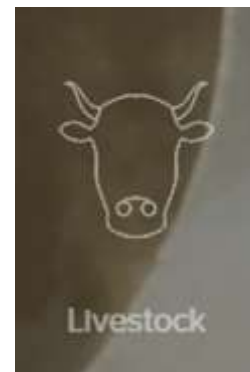
GLOBAL
RESEARCH
ALLIANCE
ON AGRICULTURAL GREENHOUSE GASES

Co-Chairs

- Harry Clark, NZAGRC, New Zealand
- Martin Scholten, Wageningen UR, the Netherlands

Group Activities

- Regional training for South/South-East Asian countries.
- Compiling case studies and guidelines for MRV in livestock GHG inventory.
- Co-published an informative guide on the benefits of Tier 2 inventories to increase policy options (climate & agriculture).
- Organisation of East-Africa Regional workshop in Addis Ababa, July 2018.



Next Meeting

- August 2019
Iguassu, Brazil



INTEGRATIVE RESEARCH GROUP

GLOBAL
RESEARCH
ALLIANCE
ON AGRICULTURAL GREENHOUSE GASES

Co-Chairs

- Brian McConkey, Agriculture and Agri-Food Canada
- Mellissa Wood, ACIAR, Australia
- Jean-François Soussana, INRA, France

Group Activities

- *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, N₂O emissions and yields of crop rotations and grasslands at 10 sites across 4 continents.
- *Farm-Region*: global map showing organic carbon inputs to soils required to reach the 4 per 1000 target.
- *Coordination of international* soil carbon sequestration research (CIRCASA) 17 countries.

Next Meeting

- January 2019 (tbc), Costa Rica



PADDY RICE RESEARCH GROUP

GLOBAL
RESEARCH
ALLIANCE
ON AGRICULTURAL GREENHOUSE GASES

Co-Chairs

- Yasukazu Hosen, NIAES, Japan
- Álvaro Roel, INIA, Uruguay

Group Activities

- published MRV guidelines
- APEC funded workshops on management technologies in Paddy Fields.
- Mitigation options for Latin America- with CIAT and funded by Fontagro.

Next Meeting

- Asia sub-Group, October 2018 in Bangkok, Thailand – alongside APEC funded workshop.



- A joint scholarship of CCAFS and the GRA - Climate Food and Farming Network (CLIFF) and the GRA Development Scholarships (GRADS).
- The CLIFF-GRADS programme is open to students from developing countries currently enrolled in PhD programs for short-term scientific training and research stays on topics related to measurement and management of greenhouse gas emissions and carbon storage in agricultural systems.
- First call - December 2017
 - 9 scholarships awarded to recipients from Nigeria, Tunisia, Ethiopia, Mexico, and Argentina.
 - Hosted at CGIAR centres (CIAT, CYMMIT) and GRA member country research institutes (Netherlands, Chile, UK).
- **Second call – open for applications**
 - **33 projects offered by GRA members and partners**

“Identify possible GRA Flagship Research Projects for presentation to and review by the Council for potential adoption on an annual basis. “

- Flagships will make a major contribution to the GRA:
 - Reducing greenhouse gas emissions while supporting food security
 - Advancing global knowledge through collaboration
 - Supporting countries in their developing and implementing solutions
 - Promote synergies between mitigation and adaptation
- Flagships are thematic areas that will be advanced through specific actions and can include research, capacity building, guidance and transfer.
- Excellent opportunity to align Council members' domestic research programmes and Partner activity to the Flagships and to utilise upcoming research calls, both of the GRA and of GRA Partners

GRA Flagships – process

- GRA Council endorsed development of four GRA Flagships:
 - Enteric Fermentation
 - Agricultural GHG Inventories
 - Soil Carbon Sequestration
 - Water Management in Rice Production
- Under development are Flagships on Nitrous Oxide (Croplands) and Circular Food Systems (Netherlands and Uruguay).
- Task Forces comprising lead authors, contributing authors and review authors, were established.
- Task Forces prepared Flagship project proposals that outline work to be done, the resources available, and the resources needed (including types of resources, e.g. research funding, post-doc, etc.)

Examples of joint programming

- FACCE-JPI / ERAGAS / SuSAN - expansion of existing project proposals.
- MIRSA II – Japan, Asia project on water management for CH₄ mitigation in rice. Linked to a Latin America FONTAGRO funded project on rice (Chile, Peru, Colombia, CIAT, FLAR).
- APEC rice project – Japan, NZ, Mexico, Viet Nam, Thailand, Malaysia, Philippines.
- CCAC –activities under the agriculture initiative.
- CLIFF-GRADS Scholarship programme jointly supported by GRA and CCAFS. Opportunities for Members and Partners to host PhD research visits (4-6 months) linked to GRA and CCAFS research projects.
- Regional GRA Workshops on Low Emissions Livestock: East Africa in July 2018; West and Central Africa early 2019. Planning LRG activities in sub-regions of Africa.
- CIRCASA – soil carbon led by France + 17 countries.

FOR MORE INFORMATION

www.globalresearchalliance.org

secretariat@globalresearchalliance.org

Twitter: @GRA_GHG