

GLOBAL RESEARCH ALLIANCE

ON AGRICULTURAL GREENHOUSE GASES

12 October 2019, Bali, Indonesia

PADDY RICE RESEARCH GROUP SECRETARIAT UPDATE



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ON AGRICULTURAL GREENHOUSE GASES

AT A GLANCE

58
member
countries



4 Research
Groups



Paddy Rice
Research Group



Livestock
Research
Group



Croplands
Research
Group



Integrative
Research Group



17 Science
Networks

 **20** partner organisations

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



 **72** international collaborative projects
supporting the GRA

117 fellowships awarded to recipients
from **36** countries



40 technical training workshops held



23 technical guidelines, resource
materials and databases produced



PARTNER ORGANISATIONS

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**Inter-American
Development Bank**



2019 COUNCIL MEETING OUTCOMES

- Indonesia took on role of Chair; Australia confirmed as Vice-Chair.
- **Reframing of Flagship** projects accepted: concrete and time-bound. Existing Flagships to be assessed to check alignment with new framing.
- **Terms of Reference** for Enhanced Secretariat and Special Representative – noting it was approved
- Circular Food Systems: IRG asked to pick up topic and consider creating a Network.
- Secretariat to update **Operational Plan** to reflect completed and new or consolidated actions
- **Communications Strategy** document was adopted.
- Working Group to develop **2021-25 Strategic Plan** – Australia, Canada, China, Germany, Indonesia, Netherlands, New Zealand, Tunisia and Zimbabwe.

2019 Council and GRA Secretariat

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It is proposed that Flagship projects:

- Develop new knowledge, high scientific impact, validate approaches, methods or hypotheses;
- Flagship project leaders should be clearly identified and resourced to complete the project within the specified time-frame;
- Research Group Co-Chairs should not bear the responsibility of leading Flagship projects, except presenting updates at the annual Council meeting, if required;
- Should have global relevance, if not global participation in their delivery.

GRA FLAGSHIP REFRAMING

- GRA Flagship Project template to be completed by the lead.
- The GRA Flagship Project must identify at least five Council Champions, Members and Partners, consisting of at least three GRA Member countries.
- Project proposals to be assessed using criteria, and recommended to Council for endorsement.
- GRA Flagship Projects will be profiled on the GRA website, and once complete final outcomes will be presented to the Council.

Proposed Flagship project criteria

Project Scope

- Project timeline (defined end date) specified.
- Project outcome defined.
- Globally applicable.

Project Participation

- Benefits from GRA wide collaboration.
- Provides a range of collaboration opportunities – including low cost e.g. data, sample or knowledge sharing.

Research

- Will the project generate new knowledge, high scientific impact.
- Identified community of experts within the GRA Membership (i.e. proposed by a RG or Network – or key coordinators identified if cross-cutting).

Resourcing

- Flagship project lead identified.
- Funding confirmed for Flagship project lead and core project activities (Minimum 30%, cash or in kind contributions of total project costs).
- Proposed funding mechanisms for additional activities and contributions identified (i.e. fellowship fund, workshop funding, or research call).



Livestock

LIVESTOCK RESEARCH GROUP (LRG)

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Co-Chairs: Jeroen Dijkman, NZAGRC, New Zealand; Sinead Waters, Teagasc, Ireland; UK commitment to become 3rd co-Chair.

Group Activities

- Recent LRG annual meeting alongside the 7th annual GGAA in Foz do Igauçu, Brazil, August 2019
- Three African regional workshops on low emissions livestock development (East Africa – July 2018, West and Central Africa – April 2019, Southern Africa – July 2019)
- MRV website and material, joint with CCAFS (www.agMRV.org)
- Establishing ‘roster’ of experts to share GHG inventory, MRV and NDC knowledge.
- Preparing a science-based document on the role of livestock in sustainable agri-food systems.

Next Meeting:

- Likely to be held in March 2020, TBC



Integrative

INTEGRATIVE RESEARCH GROUP (IRG)

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Co-Chairs: Jean-François Soussana, INRA, France; Pamela Joose, Agriculture and Agri-Food Canada; Beverley Henry, ACIAR, Australia

Group Activities

- Refocused GHG Inventories and NDC Network, 116 members from 57 countries, regular newsletter published.
- Mitigation Modelling workshop – ahead of GGAA conference, August 2019
- Webinar Series – topics include: Linking with global soil carbon initiatives, carbon offset method in Australia, impacts of climate change on soil carbon, GHG inventories and NDCs. Three successful, 100 registrants each.
- Papers Published: Smith et al. (2019, GCB) How to measure, report and verify soil carbon change to realise the potential of soil carbon sequestration for atmospheric GHG removal

Next Meeting:

- Early 2020, most likely alongside the annual CIRCASA meeting (TBC)





Croplands

CROPLANDS RESEARCH GROUP (CRG)

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Co-Chairs: Rosa Mosquera, USC, Spain; Mark Liebig, USDA-ARS, USA; Ladislau Martin, EMBRAPA, Brazil.

Group Activities

- Peatland systems: Special session at EGU, Vienna, Austria, April 2019.
- Landscape management systems: CNMM-DNDC model for landscape management.
- Integrated Crop-Livestock Systems: GHG mitigation fact sheet, 10 Countries contributed
- Conservation Agriculture: Special session at SSSA international meeting, San Diego, CA, USA, January 2019.
- N₂O measurement workshop, Canada, July 2019
- New Quarterly CRG Newsletter



Next Meeting: November 2019, San Antonio, Texas. Alongside ASA-CSSA-SSSA conference.

Capability Building: Early Career Scientists

CLIFF-GRADS

- [Joint Initiative](#) between CGIAR's Climate Change, Agriculture and Food Security (CCAFS) and GRA
 - Up to \$12,000 USD for up to 6 month research visit
 - PHD students from developing nations

RUFORUM

- GRA Secretariat has established formal relationship with the African Regional Universities Forum for Capacity Building in Agriculture (RUFORUM) to allow GRA to support students through RUFORUM grants system

Other PHD Opportunities

- Potential for including a PhD as part of existing proposal for GRA relevant project.
- Host a student to undertake a lit. review or small study that could form the base of a larger Research Group activity.

Capability Building: Early Career Scientists

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1st Biennial CLIFF-GRADS Workshop, Indonesia, 6-7 October 2019



FOR MORE INFORMATION

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