GLOBAL RESEARCH ALLIANCE

ON AGRICULTURAL GREENHOUSE GASES

Livestock Research Group meeting

15-16 May 2018

WELCOME



- Mr Tran Lim Long, Director General, International Cooperation Department, Ministry of Agriculture and Rural Development
- **Dr Nguyen Thanh Son,** Director General, National Institute of Animal Science
- Prof La Van Kinh, Director, Institute of Animal Sciences for Southern Vietnam

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CO-CHAIRS OVERVIEW

Summary



- Background GRA
- What is the Livestock Research Group?
- Looking back: Achievements in 2017/18
- Looking forward: challenges and opportunities for the LRG

Why GRA?

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 brings countries together to find ways to grow more food with lower emissions by improving global cooperation in research to support farmers, policies and other international organizations



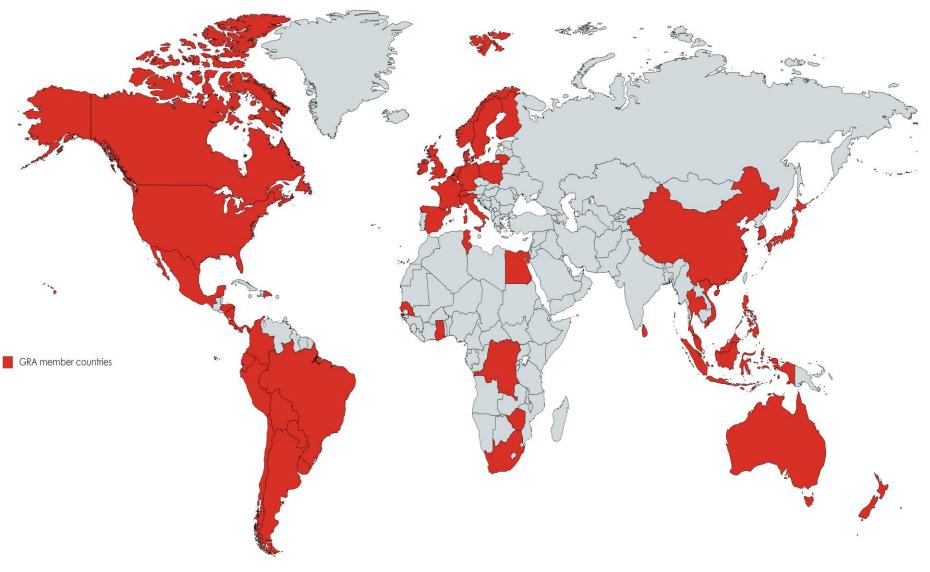




Research Groups

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50 Global Research Alliance member countries – almost all are in the LRG

Partner Organizations

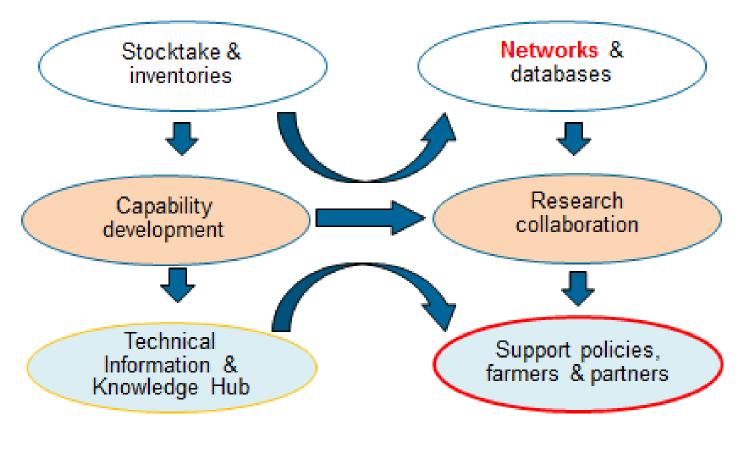
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GLOBAL



Outline of Work 2011-2016



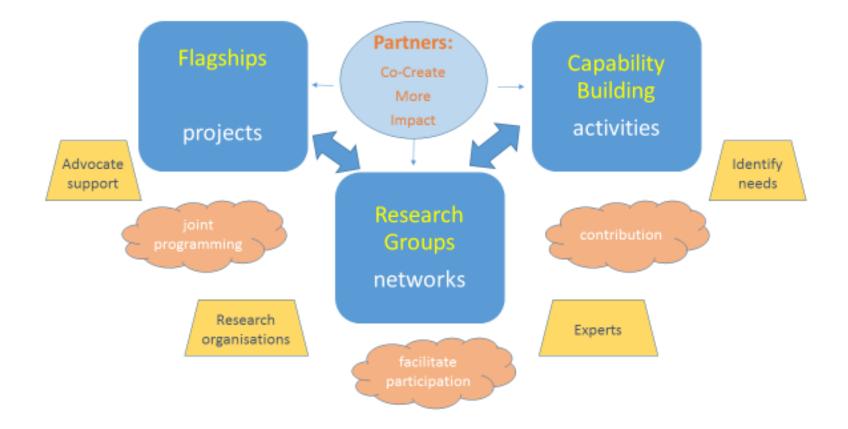


Common understanding

Concerted actions

Outline of Work updated 2017+

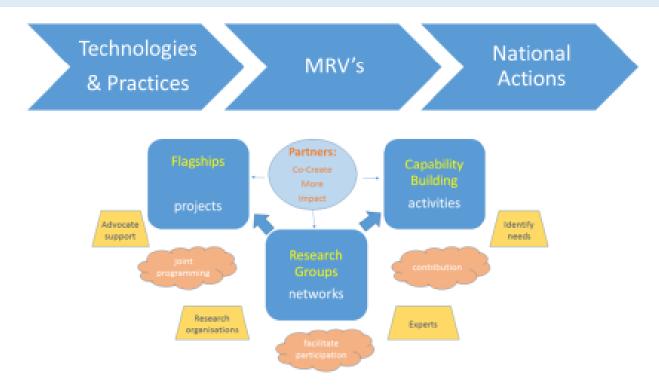
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Impact driven!

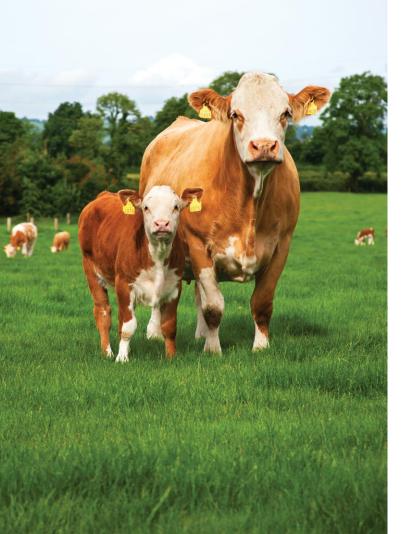


We bring countries together to find ways to grow more food without growing GHG emissions



What is the LRG?





Our focus:

Reducing the emissions intensity of livestock production systems and increasing the quantity of carbon stored in soils supporting those systems

Livestock Research Group







Harry Clark Martin Scholten

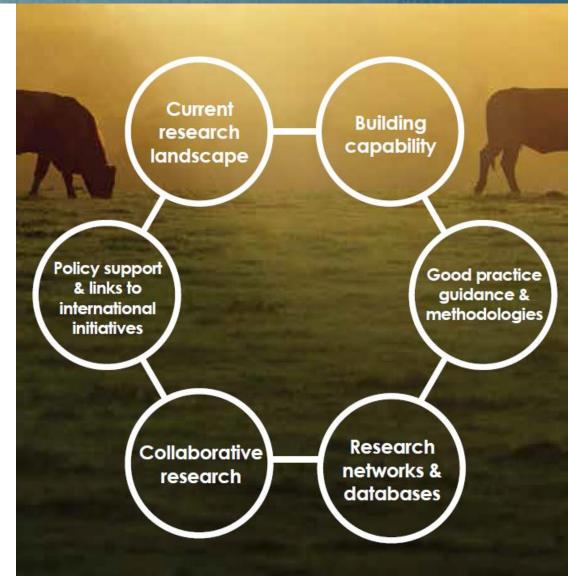
Andy Reisinger Laura Kearney Sinead Leahy Henk van der Mheen 2010 Canada, Banff 2011 France, Clermont-Ferrand 2011 Netherlands, Amsterdam 2012 Uruguay, Punte del Este 2013 Ireland, Dublin 2014 Indonesia, Yogyakarta 2015 Italy, Lodi 2016 Australia, Melbourne 2017 USA, Washington DC 2018 Vietnam, Ho Chi Minh City

What we do

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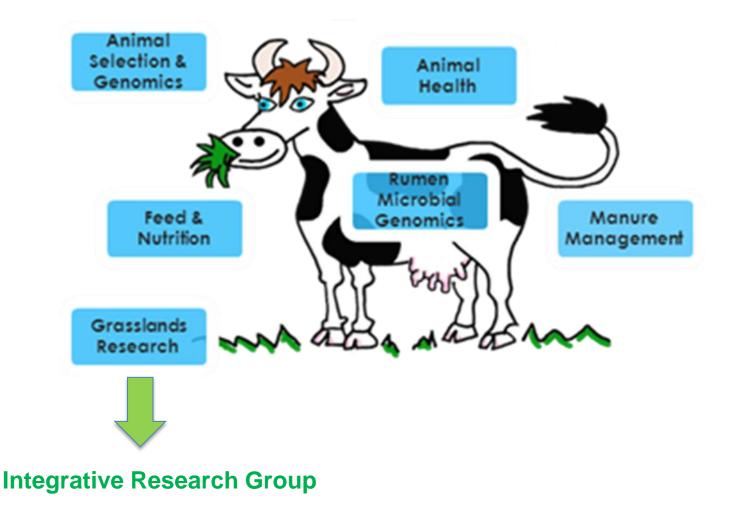
The LRG works together to advance global research on livestock GHGs, at the same time as supporting countries to achieve their own agriculture and climate change priorities.

We are a community of scientists, policymakers and other government officials, working with international and regional partners.



Networks within LRG

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Network Coordinators



- Animal Health Network: coordinated by Dirk van Soosten (Germany)
- Animal Selection, Genetics and Genomics Network: coordinated by Suzanne Rowe (NZ)
- Feed and Nutrition Network: coordinated by Alex Hristov (USA)
- Manure Management Network: coordinated by Dong Hongmin (China)
- Rumen Microbial Genomics Network: coordinated by Sharon Huws (UK)

Achievements in general

nary #Options

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Perspective: 40+% methane reduction Global Research Alliance on agricultural greenhouse gases • Genotyping low methane production for selection

- Improving feed quality and digestibility, rumen microbes
- Improving animal health and husbandry conditions
- Manure management: collection, storage and utilisation
- Improving C sequestration soils
- Precision Livestock Farming

Recent research achievements



- Major LRG research projects delivering invaluable findings, e.g. Hungate1000 published in *Nature*, GLOBAL NETWORK
- ERA-GAS funding confirmed in 2017 for 10 projects focused on ag GHGs
- New research initiatives being developed as part of the GRA Flagships and led by LRG networks



Recent capability building achievements



- Joint work underway with CCAFS and FAO to help countries strengthen their 'MRV' systems for livestock GHGs
- New capability building funding from the Climate & Clean Air Coalition for low emissions livestock development
- Latin America Platform up and running
- CLIFF-GRADS awards
- Inventory work in SE Asia
- ...more on these in subsequent presentations



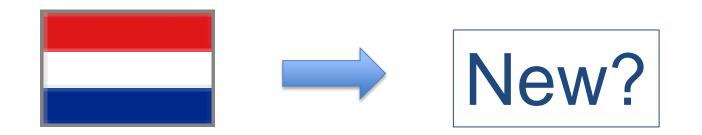


- Addressing the growing diversity of the LRG, accommodating member expectations
- Engaging more actively internationally as global attention increases on livestock's impact on climate change
- Growing our resource base so that we can sustain/increase our current level of activities

Revision CoChairs Team



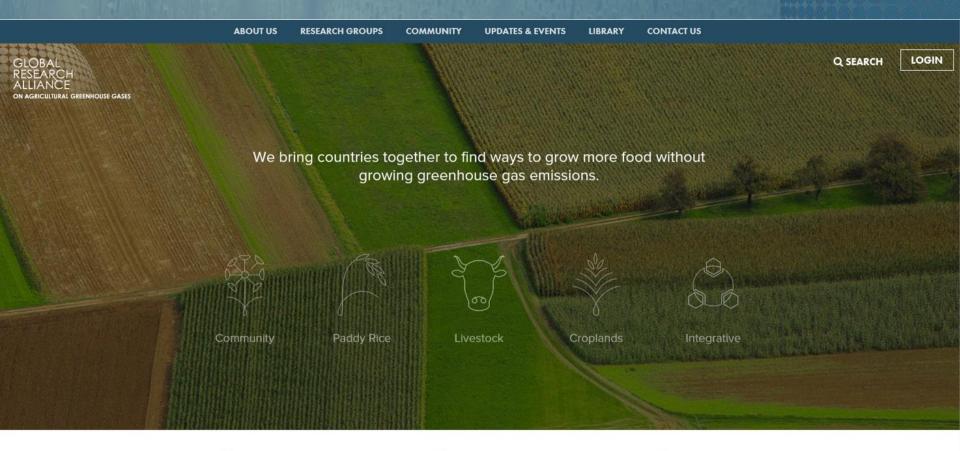






Web Page





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 • 💷 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

