

Inventories and Nationally Determined Contributions Network

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ON AGRICULTURAL GREENHOUSE GASES

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AT A GLANCE

64
member
countries



 **23** partner organisations

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



72 international collaborative projects
supporting the GRA

172

fellowships awarded to recipients
from **45** countries



4 Research
Groups



Paddy Rice
Research
Group



Livestock
Research
Group



Croplands
Research
Group



Integrative
Research
Group



17 Science
Networks



40 technical training workshops held



23 technical guidelines, resource
materials and databases produced



GRA Partners

Ministry for Primary Industries
Manatū Ahu Matua



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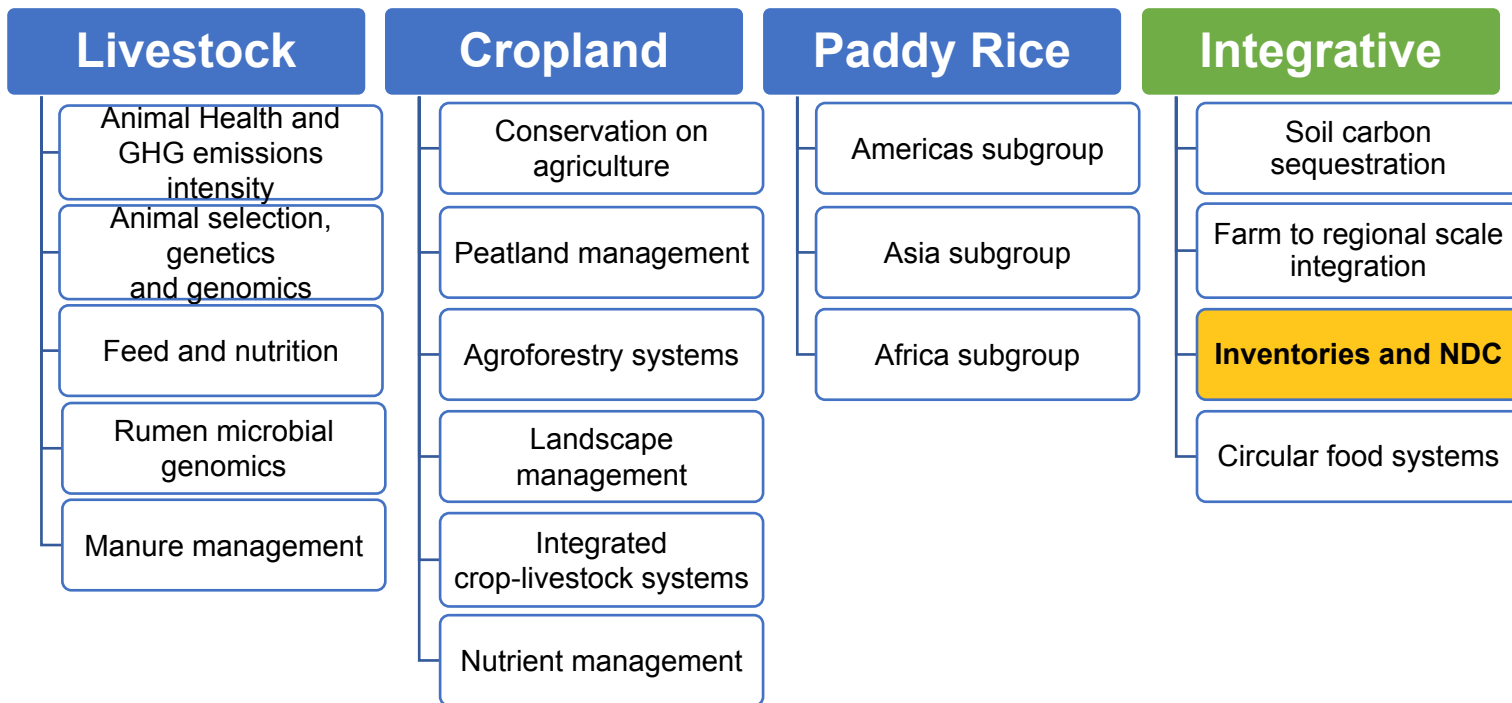


GRA Council and Research Groups

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GRA Key Strategies 2021 - 2025

Further Research Collaboration	Foster Outreach, Knowledge Sharing and Information Exchange	Build Effective Partnerships	Leverage Financial and Other Resources
<i>Strategic Objectives</i>	<i>Strategic Objectives</i>	<i>Strategic Objectives</i>	<i>Strategic Objectives</i>
<ul style="list-style-type: none"> • broad global participation • building global expertise, and • supporting early career scientists 	<ul style="list-style-type: none"> • meaningful communication to governments, farmers, industry groups and other stakeholders 	<ul style="list-style-type: none"> • remain well connected with other initiatives and groups, • develop partnerships and collaborations to close research gaps 	<ul style="list-style-type: none"> • connection with pre-existing initiatives to strengthen research outcomes • strengthened by voluntary support by members and partners

Inventories & NDC Network - Overview

- Aims to **improve the evidence base** and to **better connect governments and relevant expertise** to subsequently **improve the quality of agricultural NDC's** and the way their **achievements are reflected by national GHG inventories**
- Work together to **accelerate capture of mitigation technologies, increases in agricultural productivity and efficiency in national inventories**, which underpin policy and **mitigation decisions** and **NDC targets**
- Our network comprises **~300 people**:
 - national agriculture **inventory compilers**
 - **decision makers** whose work is related to agricultural mitigation strategies, and
 - **policy actors** working in the agricultural NDC space

Inventories & NDC Network - Focus

- Increasing **access to methods to improve the collection of activity data** for emission estimates, as well as **inform the collection of GHGe data** where it has not previously been collected
- Providing **technical support and training**, for **capacity building** and **knowledge transfer**
- Building upon **existing shared databases** and **developing new platforms** where necessary
- Activities include **building in-country capability** and **avoiding the need for outsourcing**

I&NDC Alignment

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- Greenhouse Gas Management Institute (GHGMI)
- US Environmental Protection Agency (US EPA)
- Australian Centre for International Agricultural Research (ACIAR)
- New Zealand Agricultural Greenhouse Gas Research Centre (NZAGRC)
- FAO Enhanced Transparency Framework (FAO-ETF) Network
- Low Carbon Livestock Research Network (LCL-RN) Inventory Development Sub Group



I&NDC Communications

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[May 2020](#), [August 2020](#), [December 2020](#), [March 2021](#)

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Best Practices

Towards a UK Smart Greenhouse Gas Inventory for Agriculture, Dave Chadwick, Tom Misselbrook and Bob Rees

Since 2010, the UK Government and the Devolved administrations of Northern Ireland, Scotland and Wales has undertaken a programme of research to deliver new country specific emission factors for nitrous oxide and the associated activity data to generate a smarter greenhouse gas inventory that better reflected the soils, climate, nutrient management and ruminant systems of the UK.

As a result of the UK greenhouse gas platform projects, the UK now has an inventory for greenhouse gases that better reflects the UK farming systems, soils and climate. The new nitrous oxide emission factors have resulted in a reduced contribution of this gas to the total carbon dioxide equivalent emissions from UK agriculture.



I&NDC Plans

- Agriculture Sector National Inventory Compilers Workshop - date TBC, watch this space
- GRA Coordinating Summary resource of 2019 IPCC Refinement to 2006 IPCC Guidelines for National Greenhouse Gas Inventories
- Who's Counting updates: Please contact us with any scientific, inventory improvements or NDC Progress you wish to communicate to the Network

Thank you!

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