

GLOBAL RESEARCH ALLIANCE

ON AGRICULTURAL GREENHOUSE GASES

Regional Network Meeting of GRA South and South East Asia countries
Vietnam
May 2018



Welcome & Agenda

Time	Activity	Roles
13:00 – 13:20	Update of GRA South and South East Asia capability building activities	Sinead Leahy
13.20 – 14.20	<p>Country Updates – countries to provide an update of country specific priorities and their next steps</p> <p>Country participants to prepare 1 page slide. 5 min presentation plus Q+A</p> <p>Followed by open discussion on regional and country specific priorities and next steps and role of GRA in supporting them</p>	<p>Country representatives</p> <p>All</p>
14.20 – 14.40	Institutional strengthening in Indonesia for mitigating livestock methane emissions (Indonesia/NZ research collaboration)	Indonesia (presented by Sinead Leahy on behalf of Indonesia)
14.40 – 14.45	Update on New Zealand livestock inventory course	Harry Clark
14.45 – 15.00	Summary, next steps and meeting close	Sinead Leahy & Harry Clark

Background

- A regional network of GHG inventory practitioners for livestock systems has been established through successive GRA workshops and network meetings

Network Meetings:

Mar 2012, Bangkok, Thailand

Sept 2015, Bangkok, Thailand

Aug 2016, Bali, Indonesia

Sept 2017, Bangkok, Thailand



- The main countries engaged in this network to date have been Indonesia, Malaysia, Philippines, Sri Lanka, Thailand and Vietnam, supported by technical and policy experts.
- The workshops have sought to demonstrate the benefits of higher Tier GHG inventories for livestock systems, and to identify the steps needed for participating countries individually and collectively to improve their inventories consistent with their national circumstances, priorities and capacities

Improving GHG inventories from livestock, 11-12 Sept, 2018, Thailand

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- 21 participants from 6 countries

Objectives:

- ❖ Discuss progress, barriers and enabling factors for improving emissions inventories
- ❖ Enable exchange of countries experiences and learn from demonstrated successful examples
- ❖ Identify next steps that countries can take individually
- ❖ Identify collective regional actions and support mechanisms

Outcome: Workshop participants developed a prioritized and specific action list for their country and identified potential ways in which international organizations such as the GRA could help achieve that action list.



GRA support:

1. **Technical training.** This includes
 - a. training on measurement (emissions, intake)
 - b. training on GHG inventory tools such as ALU
 - c. develop regional capacity in expert reviews of inventories (NZ inventory course, UNFCCC training courses, LEARN fellowships) and having expert review teams visit countries and work with inventory teams, including as part of a QA/QC process.
 - d. training on GHG inventory design for manure management (including emissions from soils)
 - e. training for integrated approaches including manure management and paddy rice (crop-livestock systems).
2. **Research** collaboration including funding mechanisms. Development of regionally relevant projects. Examples included: pilot projects demonstrating how to get better data on intake and feed digestibility, development of regional feed-specific emission factors.
3. **Guidance documentation**
 - a. on activity data
 - b. on inventory design/methodology including case studies and examples
4. Improvement of **institutional linkages**, education of parent ministries and policymakers on the importance and policy benefits of improved agricultural GHG inventories.

GRA Activities – Technical training

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Quality assurance and quality control (QA/QC) of GHG emission inventories for livestock systems, 13-14 Sept 2017, Bangkok

6 countries (Vietnam, Sri Lanka, Thailand, Indonesia, Philippines, Malaysia)

Supported by GRA through the provision of NZ and international climate change expertise and sponsorship of regional participation



GRA Activities – Technical training

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Regional technical training workshop on construction and use of respiration chambers for small ruminant studies, 9-13 April 2018, Malaysia

7 countries (Vietnam, Sri Lanka, Thailand, Indonesia, Philippines, China, Malaysia)

Organized and hosted by Universiti Putra Malaysia

Supported by GRA through the provision of NZ expertise and sponsorship of regional participation



GRA Activities – Technical training

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Purpose: to provide participants with a better understanding of the pathways of nitrogen (N) loss in manure management systems (in particular direct and indirect losses) and to provide expert advice on the development and improvement of manure management into the national livestock inventory methodology in Thailand.

Hosted by the Department of Livestock Development

Supported by GRA through the provision of NZ expertise

Outcomes: The workshop participants developed an action list of how to improve the manure management greenhouse gas (GHG) inventory in Thailand



Workshop

Improving Thailand's GHG inventory for nitrous oxide emissions from manure management, 6-8 March 2018, Bangkok, Thailand

GRA Activities – Technical training

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<https://livestockemissions.net/>

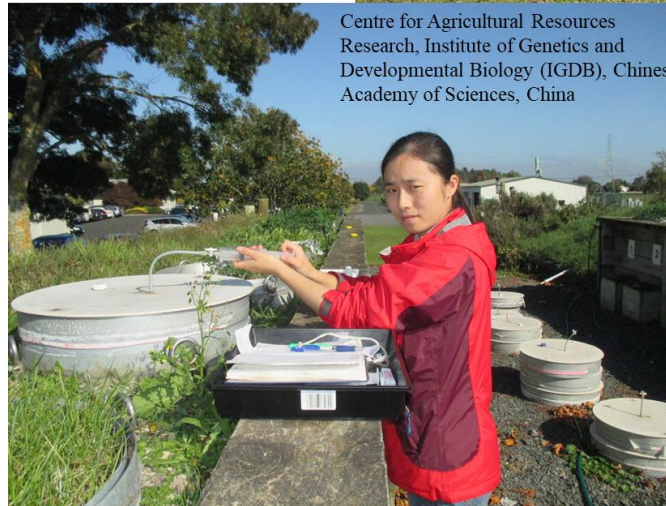
GRA are supporting PhDs and Post-doctoral opportunities from the region

Current awards –
LEARN Technical training
GRASS awards

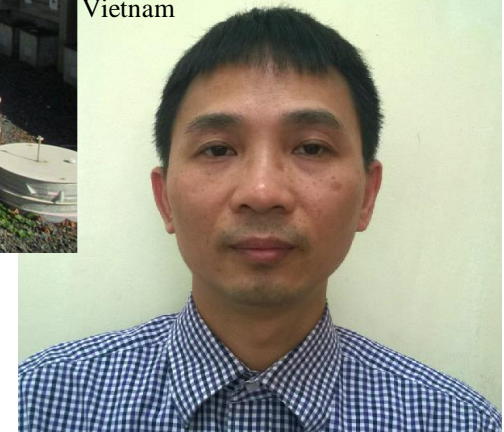
From University of Peradeniya, Sri Lanka



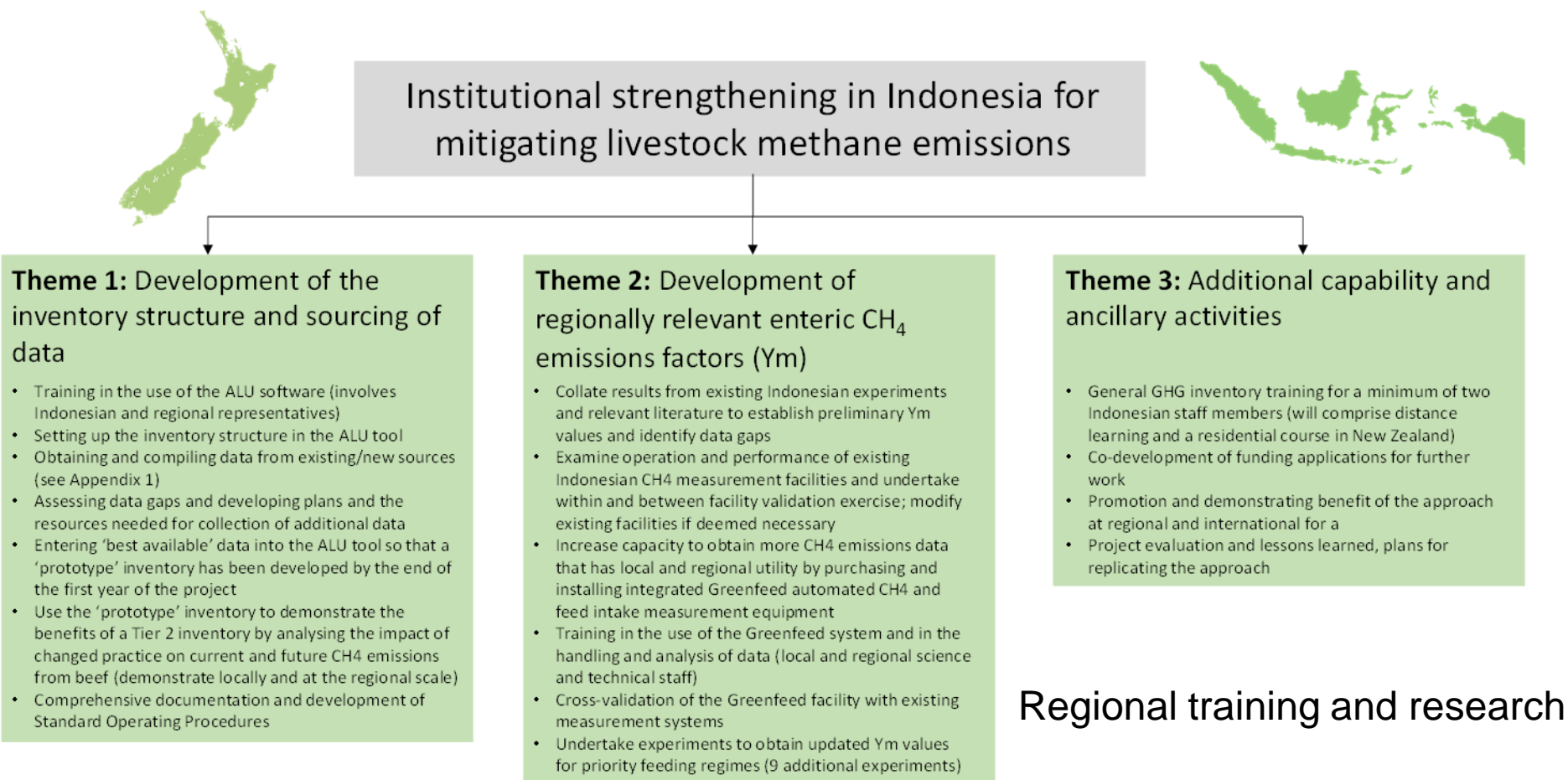
Centre for Agricultural Resources
Research, Institute of Genetics and
Developmental Biology (IGDB), Chinese
Academy of Sciences, China



National Institute of Animal Sciences,
Vietnam



Indonesia – New Zealand research collaboration



GRA Activities – Guidance

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Measurement, reporting and verification of livestock GHG emissions by developing countries in the UNFCCC: current practices and opportunities for improvement

Initiated and supported by CCAFS, GRA, FAO, NZ government, USAID, World bank

Compiled by UNIQUE forestry and land use GmbH

Info Note published May 2017

Report published Nov 2017



<https://cgspace.cgiar.org/handle/10568/80890>

https://cgspace.cgiar.org/bitstream/handle/10568/89335/CCAFS_Report17.pdf

1. Compendium of experience and practices in livestock MRV and Tier 2 inventories
2. Practical guidance on addressing gaps and uncertainty in inventory activity data
3. On-line collection for MRV tools and guidance material

Outputs due by end of 2018

FOR MORE INFORMATION

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