



GLOBAL
RESEARCH
ALLIANCE

ON AGRICULTURAL GREENHOUSE GASES

The Global Research Alliance and the Livestock Agenda of Action

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Phuket, Thailand, December 2011

Summary

- Background
- Structure
- Progress update
- Funding mechanisms
- Links to *Agenda of Action*



Background

- Agriculture's contribution to global greenhouse gas emissions
- Projected increases in agricultural emissions as global demand for food grows
- Agriculture also has to adapt to a changing climate
- Opportunities to reduce GHG emissions while working towards food security and adaptation objectives
- Collaboration between countries is essential

PRODUCTIVITY + EFFICIENCY = LESS EMISSIONS & MORE FOOD

The Alliance

- Launched in December 2009
 - Brings countries together to find ways to grow more food without growing greenhouse gas emissions:
 - Find ways to reduce the emissions intensity of agricultural production systems and increase their potential for soil carbon sequestration, while enhancing food security
 - Improve understanding, measurement and estimation of agricultural emissions
 - Improve farmers' access to agricultural mitigation technologies and best practices
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Membership

32 member countries:

Argentina

Australia

Brazil

Canada

Chile

China

Colombia

Costa Rica

Denmark

Finland

France

Germany

Ghana

Indonesia

Italy

Ireland

Korea

Japan

Malaysia

Mexico

Netherlands

New Zealand

Norway

Peru

Philippines

Spain

Sweden

Switzerland

UK

United States

Uruguay

Vietnam

Structure

At the centre:

- Three Research Groups:
 - Livestock (Ruminant and Non-ruminant Sub-groups) (New Zealand and Netherlands)
 - Paddy Rice
 - Croplands
- Two Cross-cutting Groups:
 - Soil carbon and nitrogen cycling
 - Inventories and measurement

Held together by a Charter
Supported by a Secretariat



Progress update

- Ministerial Summit in Rome 24 June: Charter signed
 - Approaches to potential partner organisations underway (incl. FAO)
 - Research and Cross-cutting Group meetings (Oct-Nov)
 - **Initial collaborative projects underway:** best practice manuals, technical guides, research protocols, information and data sharing networks
 - **NZ international research fund opening in Sept 2011**
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New Zealand Fund for Global Partnerships in Livestock Emissions Research

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- Established by New Zealand, September 2011
 - Contestable, international fund
 - NZ\$25 million over 4 yrs
 - Support research on mitigating GHG emissions from pastoral livestock farming
 - Manipulating rumen function
 - Reduce N₂O emissions from soils in grazing systems
 - Manipulating soil C change in grazing systems
 - Tools for farmer decision making in grazing systems
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Other means of New Zealand support

- **Livestock Emissions & Abatement Research Network (LEARN) Fellowship programme**
 - Technician award
 - Co-funded PhD Scholarship
 - Postdoctoral Fellowship
 - **Global Research Alliance Senior Scientist (GRASS) award for scientific exchanges**
 - **Livestock Group projects (networks, manuals, guidelines, database,....., plus six further projects)**
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Links to Agenda of Action

- AoA can be a conduit for dissemination of Alliance results – e.g pilot projects
 - AoA can help identify research priorities for the livestock sector, including ‘Restoring value to grasslands’
 - AoA can help mobilise funding in support of Alliance activities
 - Further clarification and suggestions when AoA structures and governance formalised
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For more information

Website: www.globalresearchalliance.org

Email: secretariat@globalresearchalliance.org.nz

Other sites of interest:

www.nzagrc.org.nz

www.maf.govt.nz/nzlivestockemissionsfund
