

Global Research Alliance

“Grassland Research Network” (GRN)

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Grassland Research Network

GLOBAL
RESEARCH
ALLIANCE

ON AGRICULTURAL GREENHOUSE GASES



Grassland Based Production Systems and Greenhouse Gas Emissions



Grasslands cover 26% of the world land area and 70% of the world agricultural area, largely used only for livestock grazing.



- GRN **proposed** in LRG meeting in Punta del Este, **November 2012**
- GRN established in LRG meeting in Dublin, **June 2013**.

Scope of the Network

- Focus on both Rangelands and Pastures
- Best management practices related to C sequestration at farm perspective and potential of C sink in different farming systems
- Explore synergies between adaptation and mitigation strategies
- Improve understanding of the implications of soil organic carbon losses and degradation
- Identifying knowledge gaps and opportunities for research collaboration between grasslands systems and rangelands systems
- Build capacity



➤ Global GRN Coordination: Uruguay –Fernando Lattanzi
(flattanzi@inia.org.uy)



➤ Continental Regions Coordinators:

- Africa: Klaus Butterbach-Bahl (K.Butterbach-Bahl@cgiar.org),
- Asia: Qingzhu Gao (gaoqingzhu@caas.cn),
- Australia & New Zealand: Peter Grace (pr.grace@qut.edu.au)
- Europe: Gary Lanigan (Gary.Lanigan@teagasc.ie)
- Latin America (& also global coordinator): Fernando Lattanzi
- United States & Canada: Rick Todd (Richard.Todd@ARS.USDA.GOV)

Countries that have joined the GRN:

Latin America

Argentina
Brasil
Chile
Colombia
Costa Rica
México
Paraguay
Uruguay

Africa

Kenya

Asia

China

Europe

Ireland
The Netherlands

Australia & New Zealand

United States & Canada

Advances on the Working Plan

Stocktaking

Latin America Stocktaking

- **Four countries** completed the stocktake
- **46 entries** with research projects information on Carbon Sequestration and GHG quantification.

Brasil (south): 20

Chile: 1

Costa Rica: 13

Uruguay: 12

Regional Workshops

Latin American workshop was planned for October 2014, postponed to **March 2015** in Uruguay (with funding support from INIA-Uruguay).

What do we expect for the future?

- Co-chairs from other regions of the world
- A support group (5 to 10 highly motivated experts)
- More GRA countries joining the GRN.
- Develop communication and collaboration among the GRA Livestock Research Group Networks (soil carbon and nitrogen cycling cross-cutting group)

Some questions for the afternoon

- Which are the main areas where a Grassland Research Network would add value?
- First Strategy: Focus on C sequestration to begin, follow adaptation and mitigation; any suggestions?
- Which do you think are the main common areas between GRN and other ongoing initiatives?
- Do you see synergies?
- Designing adaptation and mitigation strategies based on the simulation results as an input for GRN, viable?

Grassland Research Network

Thank you!

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