



GLOBAL RESEARCH ALLIANCE

ON AGRICULTURAL GREENHOUSE GASES

GRA Council meeting, webcast from Australia

23 - 25 March 2021



Integrative Research Group report

Jean-François Soussana, Pamela Joosse and
Lee Nelson

Integrative Research Group: Recent achievements (1)

CO-CHAIRS

- Jean-Francois Soussana, INRAE, France;
- Pamela Joosse, AAFC, Canada;
- Lee Nelson, ACIAR, Australia

FOUR NETWORKS

SOIL CARBON SEQUESTRATION

- Peter Smith (University of Aberdeen, United Kingdom)
- Jean-François Soussana (INRAE, France)

FARM to REGIONAL SCALE INTEGRATION

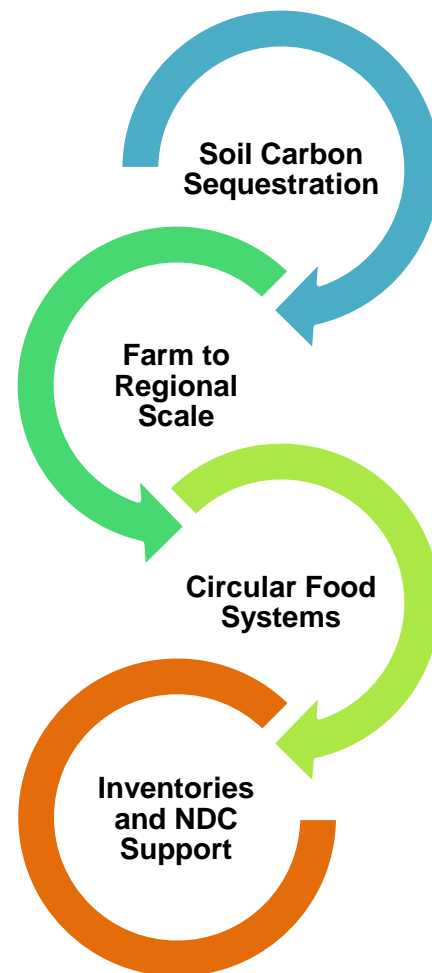
- Claus Deblitz and Yelto Zimmer (Thunen Institute of Farm Economics/ *agri benchmark*, Germany)

CIRCULAR FOOD SYSTEMS

- Karin Andeweg and Henk van der Mheen (WUR, The Netherlands)

INVENTORIES & NDC SUPPORT

- Hazelle Tomlin (MPI, New Zealand)
- Richard Eckard (University of Melbourne, Australia)
- Ngonidzashe Chirinda (Mohammed VI Polytechnic University, Morocco)



Integrative Research Group: Recent achievements (2)

Network Activities

SOIL CARBON SEQUESTRATION

- Coordination of International Research Cooperation on soil Carbon Sequestration in Agriculture



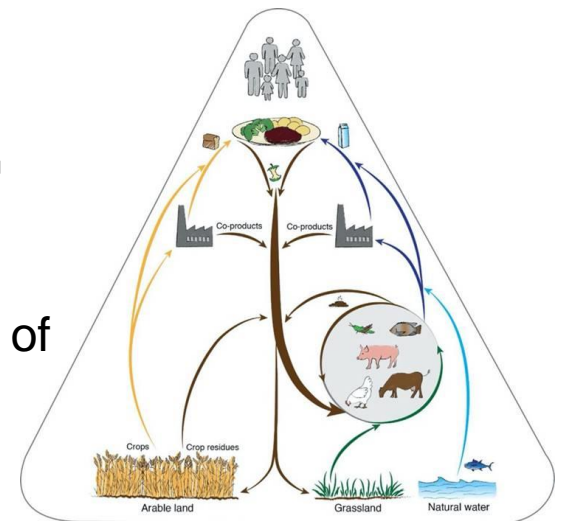
FARM to REGIONAL SCALE INTEGRATION

- Mitigation and Adaptation Co-Benefits (MAC-B) project with AgMIP



CIRCULAR FOOD SYSTEMS

- “To contribute to food security with mitigation of GHG emissions by circularity across the entire agri-food system”
- Funding to start up the network from the government of the Netherlands



Integrative Research Group: Recent achievements (3)

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INVENTORIES & NDC SUPPORT

- Four quarterly newsletters
- Alignment with GHGMI activities
 - Experts contributed to GHGMI Fijian Inventory Development project workshop #1 (of 6)
 - GHGMI Experts Forum
- Alignment with Modelling and Inventory subgroup of the Low Carbon Livestock Research Network (LCL-RN)
- Development of a stocktake tool for aligning inventory development investment by the NZ MPI, ACIAR and the US-EPA
- GRA IPCC 2019 Inventory Refinement Agriculture Sector Summary resource
- GRA supported inventory experts to attend IAMZ-CIHEAM professional courses



Welcome

Who's Counting is the quarterly newsletter of the [Inventories and NDC Network](#). We summarise updates and science resources related to national agriculture inventory development, data collection, and international inventory capacity-building activities.

We encourage you to share this newsletter widely and please subscribe to the newsletter below.

Subscribe Now!

Spotlight

US-EPA Accelerator Tools, John Stellar, US-EPA

Based on over 15 years of experience working with countries to improve their capacity to estimate and track their greenhouse gas (GHG) emissions, the U.S. Environmental Protection Agency (EPA) designed the *U.S. EPA Toolkit for Building National GHG Inventory Systems* ("Toolkit") to help national inventory compilers build and advance their national GHG inventory systems.



The Toolkit is composed of 1) instructional templates for creating a national GHG inventory system manual and 2) related supporting templates and tools.

Integrative Research Group

Main ambitions (1)

SOIL CARBON SEQUESTRATION NETWORK

- Initiate an International Research Consortium on Soil Organic Carbon

FARM to REGIONAL SCALE INTEGRATION NETWORK

- Pilot projects for Mitigation and Adaptation Co-Benefits modelling – AgMIP/IRG
- Invitation to join network and define farm-scale activities with new co-chairs

CIRCULAR FOOD SYSTEMS NETWORK

- Invitation to virtual workshop in June (TBC) to develop work of the CFS network

INVENTORIES and NDC SUPPORT NETWORK

- Continue to align activities with GHGMI, LCL-RN and other relevant networks
- Provide expertise to Africa integrated assessment of air pollution and climate change
- Publish summary resource of agriculture sector IPCC 2019 Refinement
- Explore potential to establish an agriculture specific experts forum

RESEARCH GROUP PLENARY EFFORTS

- Continue to support **newsletters and webinars**
- **Virtual format** for 2021 IRG annual meeting (date to be determined)