

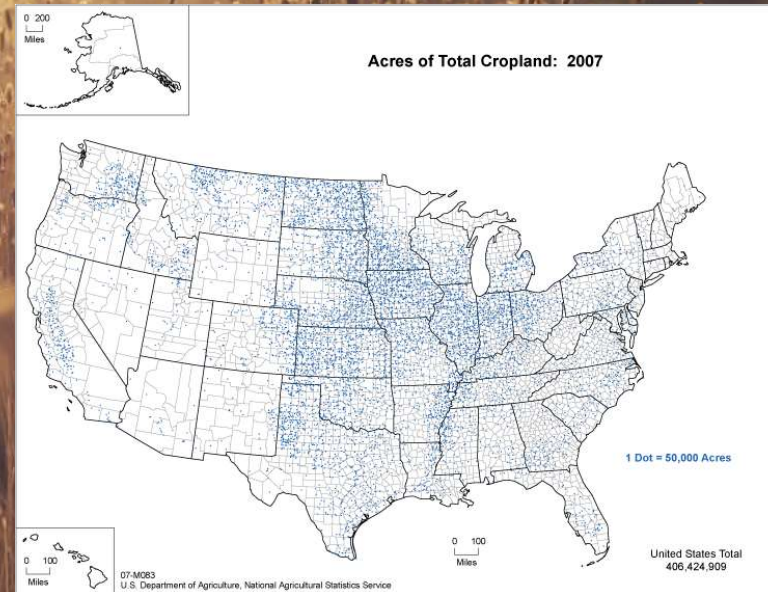
GLOBAL RESEARCH ALLIANCE

ON AGRICULTURAL GREENHOUSE GASES

CROPLANDS RESEARCH GROUP:

Country: United States

Co-Chair: Jane M.F. Johnson
Incoming Co-Chair: Mark
Liebig (October 1, 2018)
Team members: Michael
Bowers, Marlen Eve, Jeff
Silverstein



Activities: Capacity Building

Regional Climate Hubs, we are helping to deliver science-based knowledge and practical information to farmers, ranchers and forest landowners on a regional basis to support their decision-making related to climate change

Ag Data Commons – USDA National Ag Library

Agricultural Collaborative Research Outcomes System (AgCROS) - ‘network of networks’ designed to host, support, and query agricultural research databases as an investment in tomorrow’s food, feed, fiber, fuel and environmental research.

Activities: Research Networks

Long-Term Agroecosystem Research (LTAR) Network engages in research to address longer-term questions related to the condition, trends, and sustainability of agricultural systems and resources across the United States.

Greenhouse gas Reduction through Agricultural Enhancement network (GRACEnet) research program to assess soil carbon sequestration and greenhouse gas mitigation by agricultural management

Resilient Economic Agricultural Practices network (REAP)

-Focus soil Carbon, soil health and GHG

-Well to Wheel, Life-cycle analysis via partnerships with other US government agencies, university and non-government organizations

Nutrient Use and Outcome network (NUOnet). It's vision is "Efficient use of nutrients to optimize production and product quality of food for animals and humans, fuel, and fiber in a sustainable manner that contributes of ecosystem services."

MAGGnet Coordinator (Mark Liebig)

Activities: Stock take/inventory/policy

U.S. GHG inventory is on-going, engaged in IPCC guidelines.

U.S. Global Change Research Program State of the Carbon Cycle Report (SOCCR-2) – anticipated release November 2, 2018

Opportunities: Funding/meetings

Borlaug Fellowship Program - <https://www.fas.usda.gov/programs/borlaug-fellowship-program>

USDA-NIFA

- Agriculture and Food Research Initiative – various programs and deadline <https://nifa.usda.gov/afri-deadlines>
- Innovations at the Nexus of Food, Energy and Water Systems (INFEWS) <https://nifa.usda.gov/innovations-nexus-food-energy-and-water-systems-infews>
- Global Engagement Programs - <https://nifa.usda.gov/building-capacity-home-and-abroad>

US-AID PEER <http://sites.nationalacademies.org/pga/peer/index.htm> next call September 2018

Meetings:

- Agronomy Society of America – November 4-7, 2018 Baltimore, MD
- American Geophysical Union – December 10-14, 2018 Washington, DC
- Soil Science Society of America – January 6-9, 2019 San Diego, CA

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Activities: Flagships

Soil C –

microbiome activity work between Canada and US

Rice Management

Enteric Fermentation

Inventories

Nitrogen

Circular Economy