



5th International Paddy Rice Research America Sub-Group Meeting
Global Research Alliance on Agricultural Greenhouse Gases
12-14 July 2022*
Caraway Ballroom A, Embassy Suite Hilton Hotel
Jonesboro, Arkansas USA

11 July 2022 4:00 – 6:00pm	ARRIVAL of delegates Registration	GRA participants and Guests
12 July 2022 8:00 – 8:30am	MORNING SESSIONS Opening Remarks	Dr. Alvaro Roel Co-Chairman PRRG America Subgroup Dr. Marlen Eve (<i>Virtual</i>) <i>Deputy Administrator, Natural Resources and Sustainability Systems USDA-ARS</i> Mr. Archie Tucker (<i>Virtual</i>) <i>Area Director, SEA USDA-ARS</i> Dr. Thomas Risch <i>Vice Provost for Research & Technology Transfer and Executive Director of Arkansas Biosciences Institute, Arkansas State University</i>
8:30 – 8:50am	Introduction	GRA and guest Participants
8:50 – 9:10am	Updates Global Research Alliance on Agricultural Greenhouse gases	Ms. Hazelle Tomlin & Mr. Hayden Montgomery (<i>Virtual</i>) <i>Technical Inventory Advisor GRA Secretariat</i>
9:10 – 9:25am	Building bridges for a more sustainable rice production in LAC	Dr. Eduardo Graterol (<i>Virtual</i>) <i>Director, FLAR</i>

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9:25 – 9:45am	GHG research for rice systems in Argentina	Dr. Susana Noemi Maciel (<i>Virtual</i>) <i>Professor, EENA/INTA</i> Dr. Cesar Eugenio Quintero <i>Professor</i> <i>Universidad National de Entre Rios</i>
9:45 – 10:00am	B R E A K	
10:00 – 10:20am	GHG research for rice systems in Brazil	Dr. Walkyria Scivittaro <i>Researcher, Brazilian Agriculture Research Corporation / EMBRAPA</i>
10:20 – 10:40am	GHG research for rice systems in Chile	Dr. Gabriel Donoso <i>Researcher, Agricultural Research Institute</i>
10:40 – 11:00am	GHG research for rice systems in Colombia	Ms. Catalina Trujillo <i>Research Associate, Alliance of Bioversity International and CIAT</i>
		Mr. Gabriel Garces <i>Researcher-Extensionist</i> FEDEARROZ
11:00 – 11:20am	GHG Research for rice systems in Peru	Dr. Elizabeth Consuelo Heros Aguilar (<i>Virtual</i>) <i>Professor, Universidad Nacional Agraria La Molina</i>
11:20 – 11:40pm	GHG Research for rice systems in Uruguay	Dr. Alvaro Roel <i>Research Specialist and Co-Chair</i> GRA PRRG/INIA
11:40 – 12:00pm	GHG Research for rice systems in USA	Dr. Arlene Adviento-Borbe <i>Research Agronomist, DWMRU</i> USDA-ARS
12:00 – 1:10pm	L U N C H B R E A K	
12 July 2022	AFTERNOON SESSIONS	
1:10 – 1:30pm	1. Greenhouse gas emissions and global warming potential associated with furrow irrigated rice from a silt-loam soil in east-central Arkansas	Mr. Diego Della Lunga <i>PhD graduate student</i> <i>University of Arkansas-Fayetteville</i>
GGH		
1:30 – 1:50pm	2. The GHG impacts of AWD and other rice production practices: eddy covariance studies in Arkansas	Dr. Benjamin Runkle <i>Associate Professor, University of Arkansas-Fayetteville</i>

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1:50 – 2:10pm	3. Field-integrated flux measurements in Mid-South US rice using eddy covariance method: findings and Innovations	Dr. Michele Reba <i>Research hydrologist, DWMRU USDA-ARS</i>
2:10 – 2:30pm	4. Multiyear CH ₄ and N ₂ O emissions in different irrigation management under long-term continuous rice rotation in Arkansas	Dr. Sandhya Karki <i>Post Doctorate Research Fellow University of Arkansas- Fayetteville/USDA-ARS</i>
2:30 – 2:50pm	5. Evaluation of methane and nitrous oxide from Different water management practices in irrigated drill seeded rice systems	Dr. Manoch Kongchum <i>Associate Professor, Louisiana State University</i>
2:50 – 3:10pm	6. Non-continuous flooding practice and hybrid rice further reduce GHG emissions in irrigated drill seeded rice systems	Dr. Arlene Adviento-Borbe <i>Research Agronomist, DWMRU USDA-ARS</i>
3:10 – 3:30pm	B R E A K	
3:30 – 3:50pm	7. Potential of rice cultivars to mitigate methane emissions in LAC	Dr. Maria Fernanda Alvarez <i>Rice Program Leader Alliance of Bioversity International CIAT</i>
3:50 – 4:10 pm	8. Innovative irrigation management in US rice	Dr. Joseph Massey <i>Research Agronomist, DWMRU USDA-ARS</i>
4:10 – 4:30pm	9. Microbiome influence on CH ₄ emissions in rice	Dr. Desmond Jimenez <i>Chief Science Officer, Newleaf Symbiotics</i>
4:30 – 4:50pm	10. The role of rice genotypes in mitigation of methane emissions	Dr. Anna McClung <i>Research Geneticist, DBNRRR USDA- ARS</i> Dr. Jinyoung Barnaby
4:50 – 5:10pm	GRA Paddy Rice Research Asia Subgroup updates	Dr. Yasukazu Hosen (<i>Virtual</i>) <i>Co-Chairman, PRRG Asia Subgroup</i>
6:00 – 8:00pm	S O C I A L S / D I N N E R	
13 July 2022	MORNING SESSIONS	
8:30 – 9:30am	11. Spatio-temporal patterns of atmospheric methane content in the GRA-PRRG country members	Mr. Cristhian Delgado Fajardo <i>PhD Student University of Otago</i>
	On-going GHG research studies for potential Collaboration/Opportunities for Sandwich research internship and capacity building programs	Graduate students and researchers

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9:30 – 10:00am	Potential rice and GHG emissions research funding	Micah Rosenblum <i>Program Monitoring, Evaluation and Strategic Planning Division, Global Programs, Foreign Agricultural Service, USDA</i> GRANTS.GOV
10:00 – 10:20am	B R E A K	
10:20 – 12:20pm	Open Forum 1: Discuss challenges, research priorities, potential research support to scientists and technology transfer/expertise	All participants
12:20 – 1:30pm	L U N C H B R E A K	
13 July 2022 AFTERNOON SESSIONS		
1:30 – 3:30pm	Open Forum 2: Discuss/establish regional research collaborations	All participants
3:30 – 3:50pm	B R E A K	
3:50 – 5:10pm	Open Forum 3: Summarize and prepare white paper for regional collaborations among GRA member countries	All participants
6:00 – 8:00pm	S O C I A L S / D I N N E R	
14 July 2022 FIELD DAY		
8:00 – 9:30am	Tour of Arkansas Biosciences Institute Tour of GHG laboratory USDA-ARS Arkansas State University, Jonesboro, AR	Dr. Tom Risch/Mr. Shea Harris Dr. Arlene Adviento-Borbe
9:30 – 10:30am	Riceland, Inc, Jonesboro, AR	Mr. John Mcknight <i>Quality Assurance Manager</i> <i>Riceland</i>
10:30am – 12:00pm	RiceTec Research Station, Harrisburg, AR	Mr. Mason Wallace <i>Research Station manager</i> <i>RiceTec, Inc</i> Dr. Arlene Adviento-Borbe
12:00pm – 1:00pm	L U N C H B R E A K	
1:00pm – 3:00 pm	Tour of Northeast Rice Research Center University of Arkansas Division of Agriculture	Dr. Tim Burcham <i>Center Director</i> <i>NERREC</i>
3:00pm – 6:00pm	Tour of Commercial rice farm in Burdette, AR	Florenden Farm/Mr. Mike Sullivan Dr. Joseph Massey, <i>DWMRU</i> <i>USDA-ARS</i>

15 July 2022 DEPARTURE

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