

International collaboration to address the challenges of Agricultural Greenhouse Gases Emissions reduction: The case of Ghana as a member of the Global Research Alliance

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Objectives of Global Research Alliance (GRA)

Underlining the need for **food security**, and to **promote synergies between adaptation and mitigation** efforts, the Members set forth the following Charter for the Global Research Alliance on Agricultural Greenhouse Gases (“the Alliance”). The Alliance provides a framework for **voluntary action** to increase **cooperation and investment in research** activities to help **reduce the emissions intensity of agricultural production** systems and increase their potential for **soil carbon sequestration**, and improve their **efficiency, productivity, resilience and adaptive capacity**, thereby contributing in a sustainable way to overall mitigation efforts, while still helping meet food security objectives.

Responses to specific questions

- What strategies/best practices has your institution applied to support regional research collaboration?
- What are the key challenges faced in implementing GHG research and increasing agriculture productivity in the region, and how has research collaboration contributed in addressing the challenges?
- What progress has been made by Ghana on the implementation of GHG research?
- Are there any specific regional policies that have been used to support your institution's activities in its quest to promote research collaboration?
- What are the key prerequisites for participation in research/projects undertaken by your institution

What strategies/best practices has your institution applied to support regional research collaboration?

- ❖ Quality assurance in research
- ❖ Development of skills in Project Management
- ❖ Communication of research results to stakeholders in a timely manner
- ❖ Prudent financial management
- ❖ Use of innovative tools for research collaboration (Open science framework, slack, zoom meetings)



What are the key challenges faced in implementing GHG research and increasing agriculture productivity in the region, and how has research collaboration contributed in addressing the challenges?

Key challenges

Expertise

Sustainable Funding

Institutional structures to produce consistent data for GHG inventories and NDC accounting systems

Private sector participation in research and development

Addressing the challenges

International and institutional collaboration

Joint proposal development



Progress made by Ghana on the implementation of GHG research

- ❖ Excel based Tools to help in reporting NDC mitigation action across all sectors
- ❖ The West African Network of MRV and Transparency
- ❖ Domestic transparency system for climate reporting
- ❖ Dissemination of National Climate change Report to stakeholders
- ❖ Dissemination of National communication to UNFCCC
- ❖ Webinars on Monitoring, Reporting and Verification
- ❖ Database of institutions and expertise involved in GHG research



Are there any specific regional policies that have been used to support your institution's activities in its quest to promote research collaboration?

- ❖ Technologies for African Agricultural Transformation (TAAT)
- ❖ Partnership for **A**griculture **I**nnovation **R**esearch **E**ducation and **D**evelopment (PAIRED)
- ❖ Savanna Agricultural Productivity Improvement Programme (SAPIP)



What are the key prerequisites for participation in research/projects undertaken by your institution?

- ❖ Expertise
- ❖ Multidisciplinary
- ❖ Interest
- ❖ Reward systems
- ❖ National policies



THANK YOU

Q/A

