



C-AGG/Brazil Collaboration on the Development of a Measurement, Reporting, and Verification (MRV) System: Pilot Project Discussions

April 2016

Executive Summary

C-AGG's Brazil Team made their sixth trip to Brazil April 11-15, 2016. C-AGG's primary goals and objectives for this trip included:

- Gaining a better understanding of the monitoring, reporting, and verification (MRV) needs of current pilot projects on the ground in Brazil including Phase II of the Agua Brasil Project (BB, TNC, World Wildlife Fund (WWF)); Novo Campo (Imaflora), and Field to Table (Marfrig, TNC, & Walmart);
- Discussing current MRV needs for the Agua Brazil project (Phase II) with BB and WWF and the potential for a collaboration between these organizations and C-AGG and LAPIG to develop a cost-effective, scalable data management system;
- Meeting new potential collaborators working with industry to improve productivity in the agriculture sector, including AgroTools and the Brazilian Roundtable on Sustainable Livestock (GTPS); and
- Continuing to meet with key NGOs and potential collaborators, including Imaflora, WRI and Pangea, who are working to quantify emissions reductions from sustainable agriculture technologies.

Meetings and discussions with the BB, Embrapa, Marfrig, and our NGO partners continue to be positive and supportive of a collaboration in support of developing an MRV system that captures the positive environmental impacts from implementing best management practices and technologies across Brazil's agricultural sector, including via a pilot project or the ABC Program. Embrapa remains interested in signing a Memorandum of Understanding (MOU) with C-AGG though the objectives of the MOU have evolved from working together on a GHG monitoring system for the ABC Plan into a broader effort to monitor sustainability, adaptation and resiliency within the agriculture sector in reference to Brazil's INDC to the UNFCCC. The BB continues to be very interested in collaborating on development of an MRV system for the agricultural sector, and presented a new opportunity during our visit. BB requested a C-AGG proposal to develop a pilot monitoring system for the BB Agua Brasil (Phase II) project. BB and project partner WWF seek to more efficiently and cost-effectively track increased water availability and carbon sequestration in restored areas in 4 watersheds to support the distribution of ecosystem service payments to farmers based on project outcomes.

Imaflora also continues to see value in exploring a partnership or collaboration with C-AGG. Imaflora has been working to calibrate and validate the DeNitrification-DeComposition (DNDC) model to quantify impacts and outcomes from their work in Altafloresta and has seen incredible value in the tool through this application. They expressed interest in being a center of excellence for applied applications of the DNDC model, particularly if Embrapa data required to calibrate and validate the model for use across Brazil becomes available.

C-AGG had the opportunity to meet jointly with Marfrig and TNC to discuss their pilot project in Sao Felix do Xingu in more detail. After exchanging information on project needs and C-AGG's specific

expertise, TNC is interested to learn more about the advanced mapping capabilities that the C-AGG Brazil Team, and in particular Applied GeoSolutions and LAPIG, could jointly offer the project.

C-AGG also continued discussions with WRI, Pangea, and FGV Agro about the need for a nationwide MRV system and all organizations agreed to keep each other apprised of any developments in this space. Finally, C-AGG met with two organizations, AgroTools and GTPS, who have been key players in the advancement and monitoring of sustainable livestock efforts in Brazil. Both organizations are open to working with C-AGG on future efforts if and when the right opportunity arises.

C-AGG Brazil Team Delegates who participated in the trip:

- Debbie Reed, Executive Director, C-AGG, USA
- Monica McBride, Project Manager, C-AGG, USA
- Bill Salas, President, Applied Geosolutions (AGS), USA