
EXPANSION AND INTERNATIONALIZATION OF CBIO: STRENGTHENING THE CARBON MARKET IN BRAZIL

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What we do

Our team counts with extensive experience in the execution of projects about international trade negotiations, food security, public policies, land use change, market intelligence, sustainability, climate change, territorial intelligence, certifications, remote and satellite sensing technology and also the assembly of content and communication strategies.

In addition, Agroicone's expertise is mainly focused on conducting dialogues and complex arrangements, always grounded with strong technical content.

WORK TOPICS



Global Agriculture Analysis



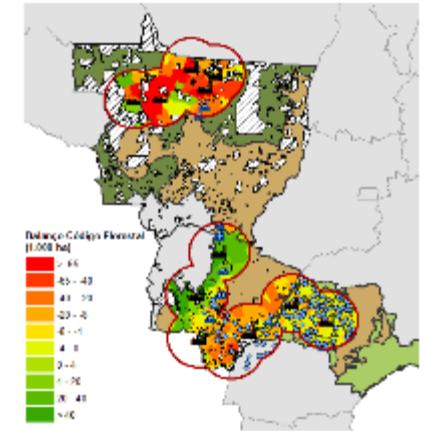
Applied Modeling



Sustainability and Environmental Regulations



Communication Strategies



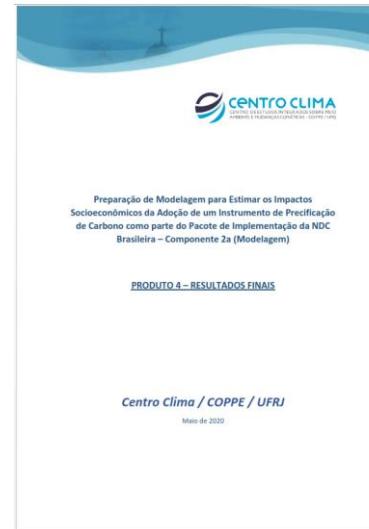
Territorial intelligence



Experiência técnica: estudos relacionados recentes

1.2. MODELAGEM AGRÍCOLA, USO DA TERRA E SEUS IMPACTOS

Baseada no BLUM (Brazilian Land Use Model), a Agroicone desenvolveu diversas análises com diferentes propósitos, como:



PMR Brasil: O projeto Partnership for Market Readiness (PMR) é financiado pelo Banco Mundial e já foi implementado em vários países. No Brasil, “tem por objetivo discutir a conveniência e a oportunidade da inclusão da precificação de emissões de gases de efeito estufa (GEE) no pacote de instrumentos voltados à implementação da Política Nacional sobre Mudança do Clima (PNMC) no período pós-2020”. A equipe de pesquisa de modelagem quantitativa da Agroicone foi responsável pela modelagem do Componente 2A para o setor de *Agriculture, Forestry and Other Land Use* (AFOLU).

Estudo de baixo carbono – estudo realizado para o Banco Mundial sobre como apoiar os esforços brasileiros em identificar oportunidades para reduzir suas emissões e que promovam o seu desenvolvimento econômico. (2012)

Modelagem econômica para a agricultura familiar. Estudo encomendado pelo Ministério do Desenvolvimento Agrário – MDA. (2015)

Outlook Brasil 2022: projeções para o Agronegócio. (2012)

Socio-environmental and land-use impacts of double-cropped maize ethanol in Brazil. Artigo avaliou a produção de etanol sob condições representativas na região centro-oeste do Brasil: milho cultivado como uma segunda safra com soja em terras que anteriormente cultivavam uma única safra de soja e energia processada de uma usina combinada de calor e energia usando plantação-chips de eucalipto cultivados. Estudo documentou um exemplo de como as complexas ligações da bioenergia com a produção e segurança alimentar, meio ambiente e desenvolvimento econômico podem ser gerenciadas para resultados positivos usando a tecnologia atual.



Technical experience: biofuels legislations



1. RenovaBio:

Member of the Technical Group on Life Cycle Analysis of RenovaBio. Author of the RenovaCalc GHG calculation tool. Training of more than 200 professionals on RenovaBio regulation. Implemented protocols to implement RenovaBio standards in 14 (sugarcane and maize) bioenergy mills

2. RFS2:

Development of the Brazilian Land Use Model (in cooperation with FAPRI - Iowa State University), used by US-EPA in the final regulation. It resulted in a significant review of results, with ethanol classification as advanced ethanol.

3. LCFS:

Collaboration with CARB in improving the representation of Brazilian ethanol pathway. Elaboration of technical material, letters, modeling packages and databases for estimates of GHG emissions. Provides technical support to UNICA in public hearings, meetings, etc. Source of technical information for CARB staff.

4. RED-FQD and REDII:

Expert in biofuels and Brazilian land use. Invited by the European Commission to collaborate in the construction phase of the RED-FQD and RED II. Provided data and analysis and technical notes quoted in the regulation.

5. CORSIA-ICAO:

Official expert designated by Brazil in the Alternative Fuel Task Force (AFTF) for the Carbon Offsetting and Reduction Scheme for International Aviation (CORSIA). Support in the negotiation strategy and elaboration of technical support documentation. Participation in the negotiating plenary sessions.

Propoasal:

Goals:

Analyze strategies for expanding the scope and internationalization of RenovaBio through the commercialization of CBIO in the voluntary carbon market (in context with article 6 of the Paris Agreement).

Develop strategies so that biofuel producers are interested in expanding the ambition of their socio-environmental policies to reach new markets.

Evaluate the feasibility of proposed modifications and identified to the benefited and harmed segments with an eventual increase in the scope of RenovaBio, considering the related international experiences.

Estimate Indirect Land Use Changes (iLUC) of the biofuels contemplated in RenovaBio.

PRODUCTS

- A. Benchmark of sustainable fuels and carbon credit trading programs;
- B. Mapping of stakeholders and opportunities to expand the scope of RenovaBio;
- C. Estimate iLUC and LMP for biofuels included in RenovaBio;
- D. Final recommendations (full report in word format).

Contacts

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Obrigado!

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