



Data Analyst, GHG Accounting

Perennial HQ (Boulder, CO) Or Remote

Science / Full Time / Remote

Welcome to Perennial.

Perennial is a climate tech company on a mission to revolutionize the way the world approaches regenerative agriculture through the power of AI and remote sensing. Globally, soils are recognized by the Intergovernmental Panel on Climate Change (IPCC) as one of the largest, fastest potential methods of mitigating climate change by drawing down 3-5 billion metric tons per year of carbon dioxide from the atmosphere. Perennial is scaling up the agriculture industry's ability to fulfill that potential by providing purpose-built software and scalable measurement & verification technology that helps our customers incentivize regenerative agriculture globally. Our flagship product is the world's most advanced remote measurement technology for soil carbon sequestration and emissions, which fuses machine learning, ground observations, and satellite data to map soil carbon content from field to continent scale.

We've raised \$25M+ to date from leading investors including Temasek, Bloomberg, and the Microsoft Climate Innovation Fund, and we serve customers throughout the regenerative agriculture value chain. At Perennial, you will work in a mission-driven and collaborative environment alongside a diverse team with backgrounds spanning science, technology, carbon markets, and agriculture.

Our headquarters are located in Boulder, CO USA. We are a fully-flexible company for remote and hybrid work.

About the Role:

As a Data Analyst focused on GHG Accounting, you will be responsible for supporting and leading various agricultural GHG accounting efforts within Perennial's Scope 3 initiatives. These efforts include execution of pilot projects with

external customers and identifying and handling large and diverse agronomic datasets for incorporation into a scalable data pipeline. We are looking for a candidate with strong data management skills who has also performed GHG accounting work in a research or professional capacity, preferably focused on agriculture. In this role, you will work closely with our Applied Science and Data Science teams to meet internal requirements, support product and technology development, and support data and product delivery.

What You'll Own

- End-to-end Scope 3 projects: including, but not limited to, data collection (from customers and independent research), calculation of various GHG requirements, report generation, and presentation to external customers
- Identification and communication of strengths, weakness, and gaps for internal long-term scalability of pilot programs
- Facilitate communications with external parties for data ingestion and management
- Support with identification, collection, and QA/QC of large, diverse agronomic datasets

What You'll Bring

- Experience with agricultural GHG calculators (CFT, Agrecalc, etc)
- Familiarity with manual and automated approaches to QA/QC of data
- High attention to detail with data management and analysis
- Familiarity with geospatial data types, analysis methods, and common software/toolkits
- Basic knowledge of statistics and uncertainty analysis
- Programming skills: Python, familiarity with Git, and basic programming best practices
- Experience with Excel and other non-programmatic data management tools
- Excellent written and verbal communication skills
- B.S. or M.S. in Computer Science, Agricultural/Environmental Science, Engineering, or related technical field with coursework, industry work, or research in GHG accounting

What will make you stand out

- Experience with at least one major agricultural GHG methodology (e.g. IPCC, GHGP, VM0042, etc.)
- Understanding of agricultural practices and experience handling various agricultural data sets across multiple commodities (crops, livestock, etc.)
- Experience in a startup environment and/or commercial environment
- Demonstration of self-initiation, ownership, and leadership abilities
- Familiarity with automation of data handling and processing tasks.
- Experience with SQL, Docker, geospatial data processing libraries (GDAL, rasterIO, etc.)

\$60,000 - \$95,000 a year

You'll love working at Perennial because:

We live by our Core Values.

- Speak your truths, welcome new voices.
- Celebrate your successes, own your mistakes.
- Solve important problems.
- Invest in each other.
- Build for the future.
- Get your hands dirty!

We challenge the status quo. We're a group of people who want to create the changes we hope to see in the world.

See some of our [recent press](#) about the problems we're committed to solving.


We invest in your life. We want to provide you with resources to meet your needs both in and outside of work. We offer generous PTO, health, vision, dental, 401k, and HSA benefits and a fully stocked kitchen to keep your mind sharp throughout the day.

We want you to grow. We are a team that supports each others' professional and intellectual growth. You'll have access to regular opportunities to learn from teammates and invest in your professional development.

We offer competitive compensation packages. Our team is our most valuable asset. We want everyone who works for us to feel fairly compensated for the impact they bring to our mission. The team member in this role can expect a starting salary in the range of \$60,000 - \$95,000 USD alongside equity in the company.

Perennial is an equal opportunity employer. We celebrate and embrace diversity and are committed to building a team that represents a variety of experiences, backgrounds, and skills. We do not discriminate on the basis of race, color, religion, marital status, age, gender identity, gender expression, sexual orientation, non-disqualifying physical or mental disability, national origin, veteran status, or other applicable legally protected characteristics.

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