

LCA Academy 2025

NAVIGATING THE
CHANGING LANDSCAPE

Brought to you by



October 7 – 8
Houston, Texas

The Life-Cycle Analysis Academy is a two-day program offering a unique opportunity for industry leaders and practitioners across all sectors to gain insights from our expertise and make a significant impact in their respective fields. The program offers a forum for influencing industry trends and regulations – and provides an immersive workshop experience.

[Register here](#)

LCA ACADEMY 2025

As climate regulations and tax credits evolve, consumer preferences shift and opportunities in global carbon markets emerge, life-cycle analyses (LCAs) have become the cornerstone of these developments. Understanding and implementing LCAs is crucial for organizations to stay ahead in these changing times.

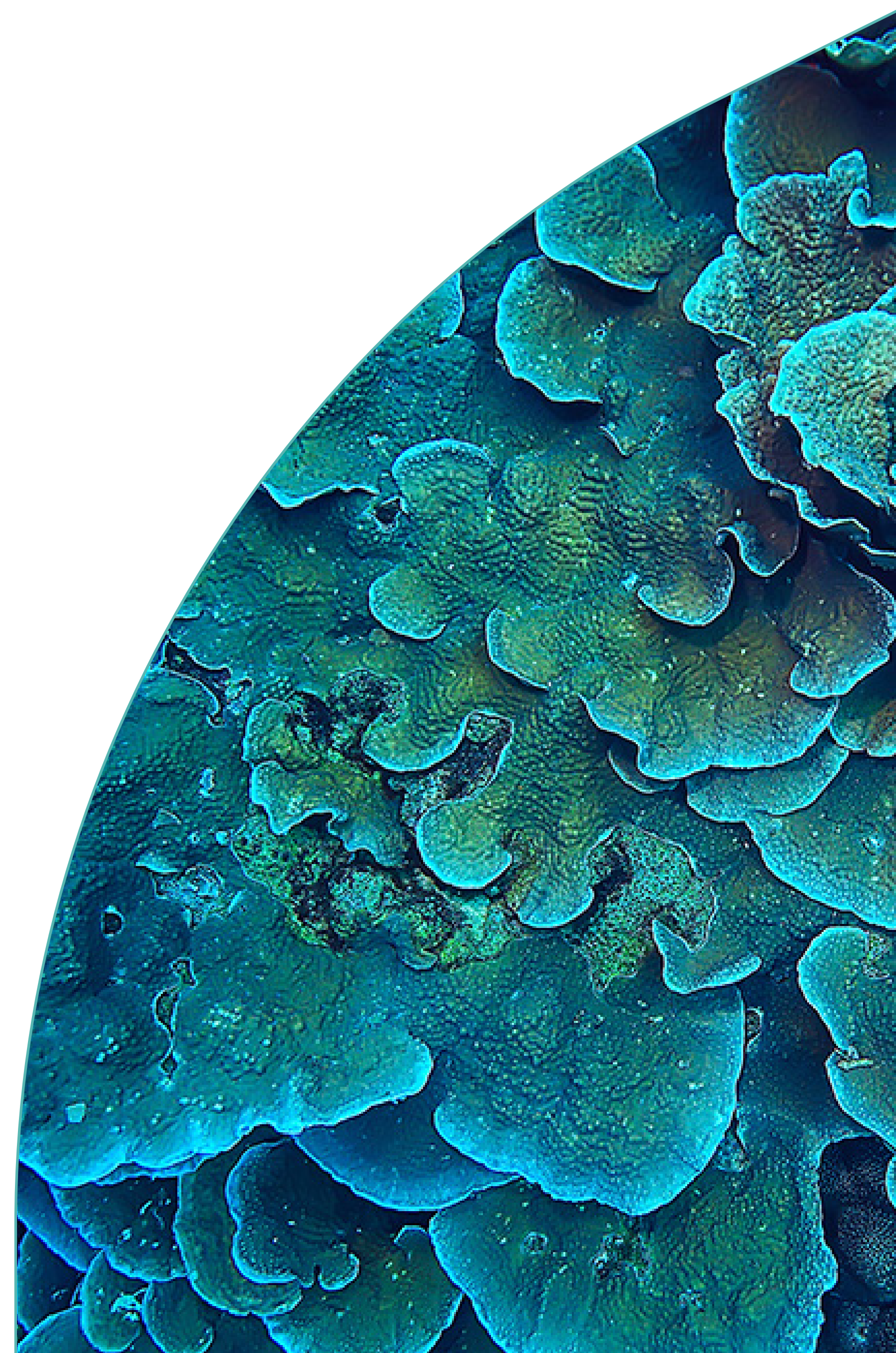
An LCA is a systematic and comprehensive methodology for evaluating the environmental impact of a product, service, or system throughout its entire life cycle, from inception to end-of-life. Undertaking a comprehensive LCA requires a detailed examination of energy usage, upstream farm or raw material extraction inputs and processing inputs along with all outputs throughout the various life-cycle stages, including co-products and waste.

LCAs typically assess the global warming potential, or carbon footprint, of a functional unit but can also encompass other impact categories such as land use and land use change, eutrophication, acidification and water use, among others.

EcoEngineers is a consulting, auditing, and advisory firm recently acquired by LRQA. We are an industry leader in conducting LCAs, with a team of renowned scientists having performed more than 1,000 carbon LCAs since 2015. Our LCAs can be utilized for various purposes, including project development, environmental product declarations (EPDs), supply chain diagnostics, accounting for Scope 1, 2 and 3 emissions, market comparisons and many other applications.

We launched the EcoEngineers LCA Academy in 2024 to help our clients meet the ever-increasing demand for LCAs, while reducing their environmental impact and increasing profitability.

In 2025, we're teaming with LRQA for a two-day event in Houston to bring together expertise from both organizations. LRQA is leading global assurance partner and brings together decades of sector-specific expertise, data-driven insight and on-the-ground presence to help you navigate a new era of risks and opportunities.



WHY ATTEND THE LCA ACADEMY?

Understand LCA

Learn concepts, methodologies and the role of LCA in environmental, social and governance (ESG), compliance and conservation

Deep Dive Regulations

Gain a deeper understanding of the regulations that require LCA and drivers that are shaping the global marketplace

Practical Learning

Learn how to prepare carbon intensity scores using leading standards and guidelines

Peer-to-peer Best Practise

Participate in an interactive discussion focused on creating a consistent LCA approach to global policies

LCA ACADEMY AGENDA

Tuesday | October 7

- 7:30AM – 8:30AM | BREAKFAST
- 8:30AM – 5:00PM | PLENARY SESSION
- 5:00PM – 7:00PM | RECEPTION

The plenary session is designed to provide the foundations of LCA, including:

- The importance of developing and deploying climate-friendly technologies and operational improvements in manufacturing as measured by an LCA
- Concepts, methodologies and the role of LCA in carbon accounting and environmental, social and governance (ESG) reporting
- LCA results interpretations and various assessment techniques for corporate and product reporting
- Emission factor databases and transparency
- Differences between LCA and scope reporting
- Data relevance and dataset selection
- Insights and comparison of LCA tools including the Argonne National Laboratory's GREET (Greenhouse gases, Regulated Emissions and Energy use in Technologies) model and its derivatives, GHGenius, Sphera's LCA for Experts (fka GaBi), SimaPro, openLCA and more
- Incorporating International Organization for Standardization (ISO) quality standards
- The complexities of LCAs and the importance of having the right expertise in-house or with partners to meet business objectives
- Working towards a consistent LCA approach in global policies through an interactive discussion with Eco's regulatory engagement experts
- Insights into the regulations and requirements shaping the global marketplace including:
 - US – Renewable Fuel Standard (RFS) and California Low Carbon Fuel Standard (LCFS), Clean Fuels Program (CFP)
 - Canada – Clean Fuel Regulations (CFR) and Provincial Regulations
 - Europe – EU Emissions Trading System (EU ETS), Renewable Energy Directive (RED), Carbon Border Adjustment Mechanism (CBAM), Carbon Removals and Carbon Farming (CRCF), ReFuelEU Aviation, FuelEU Maritime, Carbon Offsetting and Reduction Scheme for International Aviation (CORSIA) and others
- Voluntary carbon markets
- Greenhouse Gas (GHG) Protocol
- Environmental product declarations (EPDs)
- Climate action plans and corporate sustainability reporting

LCA ACADEMY AGENDA

Wednesday | October 8

○ 8:00AM - 9:00AM | BREAKFAST

○ 9:00AM - 12:00PM | WORKSHOPS (PART 1)

Participants can choose one of two tracks:

Track 1: Low-carbon Fuels

Participants will learn how to calculate carbon intensity (CI) scores for Renewable Diesel (RD), sustainable aviation fuel (SAF) and hydrogen (H₂). Gain hands-on experience using the 45V, 45ZCF, 40B and the latest CA-GREET models. An overview of the Argonne GREET model on these pathways will also be provided, along with an overview of global models such as the Carbon Offsetting and Reduction Scheme for International Aviation (CORSIA), ReFuelEU Aviation and others.

Track 2: Product

Participants will gain a comprehensive understanding of the alignment between LCA system boundaries and Scope 3 categories as well as Scope 1 and 2 emissions under the GHG Protocol. The session will explain how LCA data can improve the accuracy of Scope 3 emissions calculations through real-world case studies that illustrate the integration of LCA into carbon accounting and corporate reporting. Additionally, the workshop will cover the effects of regulations, such as SB 253, on Scope 3 reporting requirements.

○ 12:00PM - 1:00PM | LUNCH

○ 1:00PM - 4PM | WORKSHOPS (PART 2)

Participants can choose one of two tracks:

Track 3: Biogas

This session explores how to utilize the CA-GREET Tier 1 calculator for dairy manure-to-renewable natural gas (RNG) projects. It will include an overview of how the CA-GREET 4.0 Tier 1 calculator may impact CI scores of such projects. The workshop will introduce the American Biogas Council Carbon Accounting Tool (Biogas CAT), a science-based tool that utilizes the Argonne GREET model and is designed to build on existing regulatory programs and voluntary carbon market (VCM) methodologies, developed in collaboration with EcoEngineers.

Track 4: Carbon Dioxide Removal

This workshop will cover various project types, such as biochar, enhanced rock weathering and marine carbon dioxide removal (CDR), along with bioenergy with carbon capture and storage (BECCS), with a focus on practical examples and best practices. Participants will learn about the requirements of registries, including Puro.earth and Isometric and understand how to handle complexities such as system boundaries and indirect land use change.

VENUE

The program is being held at the Petroleum Club, 1201 Louisiana Street, 35th Floor, Houston, Texas.

Registration includes food and beverages for breakfast, lunch and reception on October 7 and breakfast and lunch on October 8 2025, all held on-site at the Petroleum Club.



REGISTRATION

This exclusive client program has limited seating, so be sure to register in advance to secure your place.

Attendees will receive a certificate of completion.

Early Registration

\$2,450

Advance pricing until September 7

Registration

\$2,950

Pricing after September 8

[Register here](#)

OUR EXPERTISE

15+ years

EcoEngineers:

For 15 years,
providing
strategic advisory
services to our
global client base

1,000+

Life-Cycle Analysis:

Carbon scores for
more than 1,000
fuel pathways and
other products

1,000+

EcoUniversity:

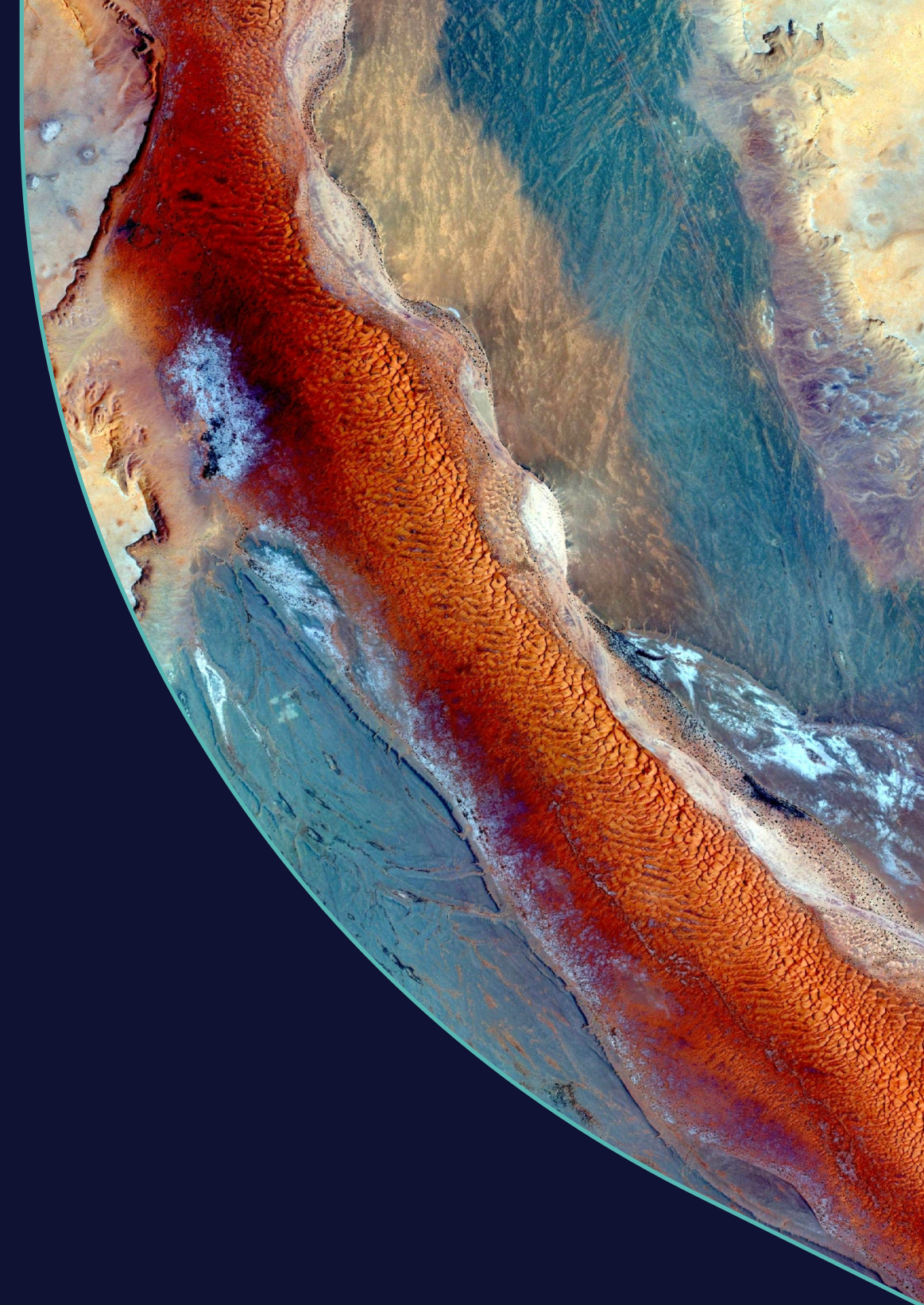
Conducted more
than 1,000 hours
of executive
training in carbon
management

ABOUT ECOENGINEERS

EcoEngineers, an LRQA company, is a consulting, auditing and advisory firm with an exclusive focus on the energy transition. From innovation to impact, Eco helps its clients navigate the disruption caused by carbon emissions and climate change. Eco helps organizations stay informed, measure emissions, make investment decisions, maintain compliance and manage data through the lens of carbon accounting. Its team of engineers, scientists, auditors, consultants and researchers live and work at the intersection of low-carbon fuel policy, innovative technologies and the carbon marketplace. Eco was established in 2009 to steer low-carbon fuel producers through the complexities of emerging energy regulations in the United States. Today, Eco's global team is shaping the response to climate change by advising businesses across the energy transition.

Eco is a leader in performing LCAs, using a systematic and comprehensive method for evaluating the environmental impact of products, services, or systems from inception to end-of-life. Eco's team of industry-renowned scientists has performed more than 1,000 carbon LCAs since 2015, on a variety of products including grains, oils, fuels, plastics, farm products, supplements, lubricants, metals and more. Its team is fully adept at utilizing all available LCA tools such as the Argonne National Laboratory's GREET (Greenhouse gases, Regulated Emissions and Energy use in Technologies) model and its derivatives, GHGenius, SimaPro, openLCA and more. Eco has expertise across global regulations, bringing the right strategies and solutions to help you reach your carbon management and environmental, social and governance (ESG) goals.

Eco is accredited by the American National Standards Institute (ANSI) National Accreditation Board (ANAB) as a greenhouse gas (GHG) verification body in accordance with ISO standards ISO/IEC 17029:2019, ISO 14065:2020 and ISO 14064-3:2019.



**Ready to gain the sector-specific,
data-driven insight that could help you
navigate a new era of risks and opportunities?**

Contact Stephanie Decker at sdecker@ecoengineers.us

eventcreate.com/e/ecoengineers-lcaacademy

+1 515-349-4605

REGISTER NOW

Brought to you by

