Terracon Consultants, Inc.

Challenges and Solutions for Developing a Data Driven Carbon Accounting

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Challenge 1

Breaking Down Silos

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What does he do next?

ⓘ Start presenting to display the poll results on this slide.

Data Driven Framework Step 1 – Build: Assemble the Ambassadors

Build a multi-disciplinary team of key internal stakeholders (“Ambassadors”) who can break down the silos by sharing data and expertise.

Terracon Overview

- 6,000+ employees
- 175 locations
- Employee-owned
- 58 years of service
- Services
  - Facilities
  - Environmental
  - Sustainability & Resiliency
  - Geotechnical
  - Materials

Services available in all **50** states

Locations Nationwide

Terracon

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Not Legal Advice

- Neither this presentation nor the presenter is providing legal advice.
- Regulations are dynamic – information provided today may change and reasonable minds may disagree on its implications.
- Always check with your EHS management and/or legal counsel when making decisions that may impact compliance.

Challenge 2

Managing the Data

Data Driven Framework Step 2 – Map: Connect the Data and Document

Map the dataflow and connect data into a carbon accounting dataset that will support analyzing emissions at an asset level rather than an organizational level.

Challenge 3

Understanding the Dataset

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How would you initially analyze the dataset?

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Data Driven Framework Step 3 – Discover: Utilize Readily Available Tools

Use readily available visualization tools and basic statistical analysis to discover your carbon accounting dataset’s story.

Challenge 4

Testing Whether the Story Fits

Data Driven Framework 4 – Evaluate: Compare Datasets and Reflect

Test your carbon accounting dataset’s story by comparing it to KPIs, financial data, or other trusted high-level data.

Challenge 5

Identifying Blind Spots

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How can you identify blind spots in your emissions dataset?

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Framework Step 5 – Verify: Call Upon the Ambassadors

Meet with the ambassadors to verify your carbon accounting dataset’s integrity and identify potential blind spots.

Framework for a Data Driven Carbon Accounting

1. Build: Assemble the Ambassadors
2. Map: Connect the Data and Document
3. Discover: Utilize Readily Available Tools
4. Evaluate: Compare Datasets and Reflect
5. Verify: Call Upon the Ambassadors