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Carbon Management Software

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By Ryan Skinner

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Some 70% of enterprises plan to adopt AI to keep pace with or lead their sector (see Verdantix Market Insight: The Path To Surviving AI Disruption For Enterprise SaaS). And sustainability – awash with data, short of staff and facing immovable decarbonization targets – is fertile territory for firms to apply AI. Sweep, a European-headquartered sustainability data platform, started its foray into AI two years ago. In late 2025 it announced a number of AI agents to support core workflows, such as writing disclosures, transforming raw data into appropriately mapped sustainability information, and assigning emission factors. Many processes that previously required a series of technical decisions can now be accomplished through natural language queries. The outcomes for buyers so far seem to revolve less around new activities, and more around accelerating existing actions, as well as opening these up to broader, less specialized sets of users. This report shows how Sweep has invested to incorporate agentic AI into its sustainability data platform, and how this aligns with user needs.

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Organizations mentioned

Accenture, Consequence, Deloitte, GHG Protocol, International Organization for Standardization (ISO), KPMG, LangChain, Qwetch, Sweep.

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Sweep is using AI to position itself as a sustainability intelligence layer

Recent research from Verdantix demonstrates how multiple use cases associated with sustainability data management (carbon accounting, sustainability data aggregation and quality control, for example) all sit right in the bull's eye for AI-driven business value, trust and operational viability (see Verdantix AI Applied Radar: AI Applied To Sustainability Management). With this as a backdrop, Sweep, a European-headquartered sustainability data platform, aspires to make carbon and sustainability data an enterprise asset across corporate functions, systems and – potentially – enterprise AI agents. We spoke with Sweep's Raphael Güller, Chief Product Officer & co-founder, and Aurélien Dubot, Director of Product Marketing, to understand how the team is applying AI to support its product development. We heard that Sweep has:

- **Acquired a firm to jump-start its accumulation of AI expertise.**
  In early 2024 Sweep acquired a UK-based start-up called Consequence, which, since its founding, focused on exploring the potential and possibilities for applying AI to carbon accounting. This approach brought a handful of talented AI engineers to Sweep, and led shortly thereafter to Sweep's development of its first generative AI (GenAI) offering – a chatbot assistant named Sweepy.
- **Developed an AI centre of excellence to develop AI-specific tooling.**
  Some 15 engineers at Sweep are now working to enable developers across the firm to implement AI-based functionality in their workstreams – and hiring for this team continues. Some of the team's work may encompass more traditional machine learning (ML)-based applications, in emissions factor selection, for example. At the more cutting edge, it involves pre-training or fine-tuning large language models (LLMs) based on Sweep's sustainability expertise, or setting up LangChain-based tooling to enable functions to build AI agents quickly.
- **Embedded AI governance into its operations.**
  Raphael Güller indicated that the firm is sensitive to clients' concerns around AI: "A year ago, no firms had an AI policy; now everyone does. CTOs' most common concern is around their data. As a result, we haven't used customer data in any of our pre-training." Sweep has also sought and achieved compliance with ISO 27001:2022, SOC 2 Type II, the EU General Data Protection Regulation (GDPR) and the EU AI Act ('minimal risk' classification). Finally, the firm publishes its security credentials and policies publicly at trust.sweep.net.
- **Applied its sustainability expertise in model training.**
  A core component of Sweep's AI build-out has been the incorporation of its internal knowledge of sustainability reporting, regulations and performance in fine-tuning the LLMs from which it builds. In this way, the firm can scale the expertise of its team of sustainability consultants towards automating tasks such as emissions factor selection, data quality control and regulatory framework mappings.

Three AI agents, an AI assistant and governance tools form Sweep's AI foundation

At Sweep's October 2025 customer summit, the firm announced a number of AI-driven innovations that built upon its initial work. Central to these innovations is an agent-based approach, whereby application-specific assistants based on pre-trained and proprietary AI models enable and accelerate sustainability teams in jobs on which they are already working. Each of these assistants has been incorporated into Sweep's existing product set, with a capped AI credits system designed to protect the firm from runaway token costs. These capabilities support:

- **Analysis, to automate data configuration and emissions factor selection.**
  A 2025 Verdantix study found that even a small-sized enterprise uses upwards of 1,000 man-hours per year on emissions data collection and another 500+ on emissions calculation. To that end, Sweep has built AI capabilities that allow users to drop in datasets and allow the platform to take the first pass at mapping rows and columns to the firm's business logic. In addition, the AI will scale its emissions recommendations across entire datasets, then allow users to convert that mapping to a rule, avoiding additional AI workloads and the risk of the AI wandering. The Sweep team suggests that this functionality empowers its clients within sustainability teams to get more done, without tapping their firm's IT resources for data mapping.

- **Writing, to automate vendor survey responses and disclosure drafts.**
  Many large enterprises struggle to obtain engagement in sustainability reporting from the long tail of their suppliers, and are thus keen to help them. Sweep's AI for survey response tool automates the process for suppliers, so that the data they upload turn into proposed responses in seconds. Likewise, Sweep has applied GenAI to its quantitative and qualitative data to generate disclosure responses for sustainability teams to review. AI-generated text appears in blue in the app, then pivots to black as soon as a user reviews or edits it.

- **Building, to generate data workflows and visualizations from conversational prompts.**
  Many sustainability data workflows involve some kind of data transformation, with each such instance taking time and requiring a level of expertise in codifying formulas (an example might be assigning data from particular facilities to one country). Sweep users can now explain what they want to do in a natural language prompt ("assign all data from X, Y and Z facilities to Germany"), and the system will assemble the formula, which users can then vet, test and save as a repeatable transformation. In a similar manner, users can construct bespoke data visualizations of their sustainability data – for custom dashboards, for example – by asking in natural language what they are seeking, and then adjusting the output iteratively.

- **Assistance, to enable a conversational approach to navigating and running the application.**
  One of Sweep's first AI-driven capabilities was its chatbot, Sweepy. This is a Sweep-native conversational interface that would be familiar to any user of ChatGPT, but is pre-trained on Sweep content and concepts. This assistant is now the orchestrator of Sweep's AI agentic approach, providing the front-end for all AI interactions. During a demo, the assistant supported chained requests (demonstrating some memory persistence, at least within a session) and provided one-click access to its sources.

- **Responsible AI, to facilitate safe and sustainable usage of the AI functionality.**
  The Sweep team reiterated that they are not using customer data to pre-train or fine-tune LLMs; rather the pre-training may encompass common sustainability data entities, as reflected, for example, in the GHG Protocol. AI usage naturally generates impacts; Sweep has developed a built-in impact tracker that collects each client's AI usage and translates it to carbon emissions based on Sweep's own lifecycle assessment and its own emission factors. Users can also choose to turn off AI functionality, if they wish to ringfence users or use cases.

AI features will attract clients from opposite ends of the maturity spectrum

In the Verdantix 2025 ESG and sustainability reporting software Green Quadrant, we found that Sweep is most relevant for large enterprises seeking a broad sustainability platform with excellent useability (see Verdantix Green Quadrant: ESG & Sustainability Reporting Software (2025)). The recent addition of AI-driven functionality does not change that: if anything, the agentic AI further enhances the useability of the Sweep platform. Nonetheless, the features create a new surface for differentiation, which will intrigue users from very different organizations. In a 2025 Verdantix survey of leaders responsible for decarbonization, close to half of respondents agreed that their IT teams were vetting climate software procurement for AI capabilities. Businesses most likely to focus on the kinds of AI functionality that Sweep has developed are:

- **Firms with constrained sustainability teams.**
  Some of the time-savings made possible by Sweep's AI functionality – particularly within the analyst agent, such as emissions factor selection and data configuration – can have profound benefits for smaller sustainability teams, or those facing cuts or reallocations. One Sweep client, Qwetch – a small French manufacturer of reusable food containers – told us: "AI will both save us time on generic data integration and support us by questioning the quality of the data we want to enter into the system." The Qwetch team indicated that emissions data processes that usually took hours were cut down to seconds or minutes using Sweep.

- **Organizations that wish to bring carbon data into enterprise AI agents.**
  At the opposite end of the maturity spectrum are large enterprises that may be developing their own enterprise-centric AI agents; these buyers seek technology suppliers with systems that play nicely with these agents' multi-step reasoning processes. To this end, Sweep has adopted Model Context Protocol (MCP), which provides a common framework for third-party agents to access its AI models. "Our MCP servers are accessible by Sweep agents only, and we don't yet support full agent-to-agent interoperability with external AI systems," Raphael Güller told us, indicating that most clients do not feel ready for or comfortable with this at present. However, he expects this to change over the coming six months – and Sweep has positioned itself to be ready for the demand.

- **Consultants keen to shift resources to more value-adding services.**
  Sweep works with a number of partners for its deployments, such as Accenture, Deloitte and KPMG, which are increasingly focused on maintaining margins as AI impacts their services across the board. These firms will find the more advanced AI agentic tools for building data configurations and visualizations especially valuable, enabling specialists to move faster and permitting less experienced team members to deliver sophisticated data manipulation. True to this, one user with a global consultancy described the ability for the AI to automate rule generation as "incredible".

- **Firms eager to accelerate usage of sustainability data across operational teams.**
  The kinds of time-pressed teams in operations, procurement and finance that implement sustainability seldom have the time or interest to learn how to interact with a sustainability data platform. However, a platform where an increasing amount of functionality is accessible through natural language prompts, either in the platform itself or through third-party agents, opens up new applications for sustainability data in operational decision-making. For example, a Sweep enterprise client that manufactures transportation equipment is using Sweep's AI to generate custom visualizations, which can help operational teams assess how their decisions impact sustainability outcomes.

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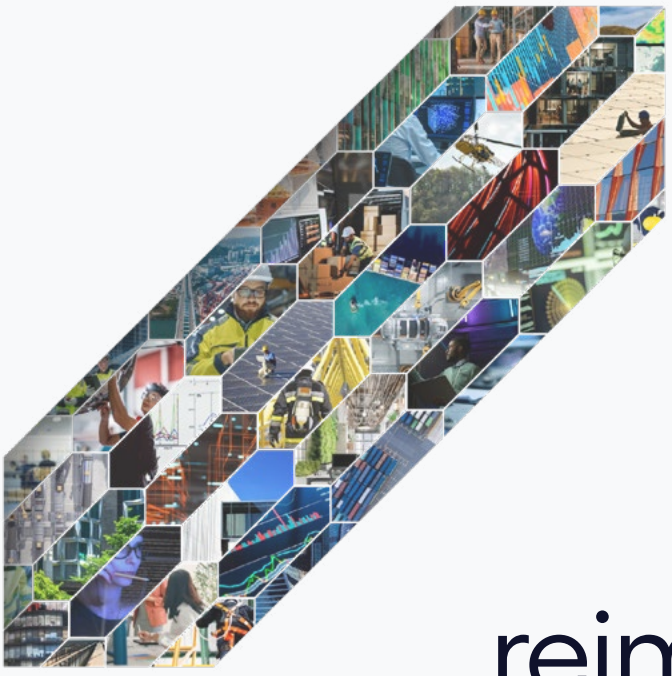

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