



ECOSTREAM
TURNS REAL-TIME DATA INTO LOCAL ACTION

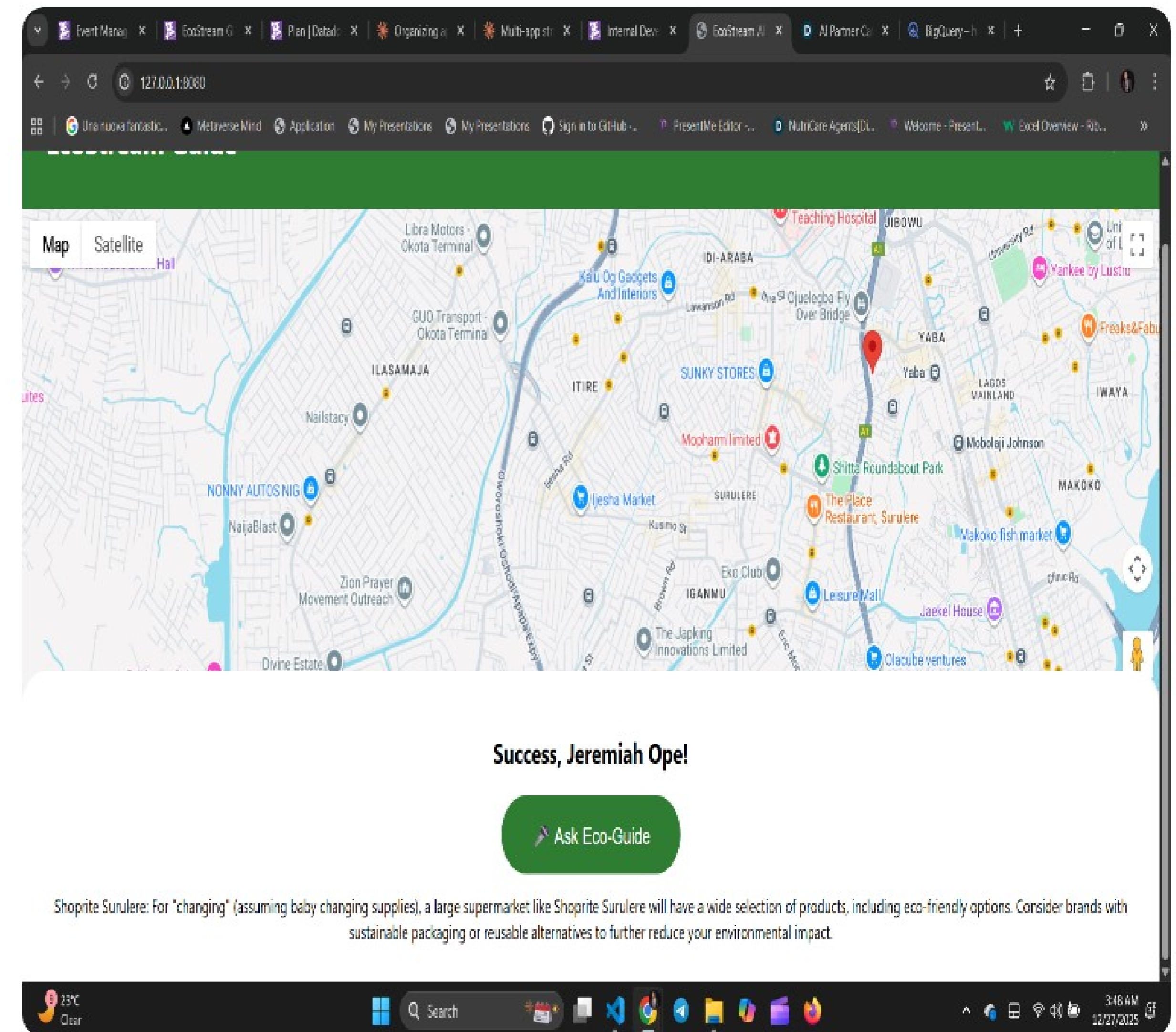
The problem statement "Blind consumption"

- 1) **The Information Gap:** Lack of visibility into local "Green" markets.
- 2) **The Carbon Cost:** Preference for imports over local goods increases carbon footprints.
- 3) **Stale Data:** Old reports hinder real-time eco-friendly commerce insights.



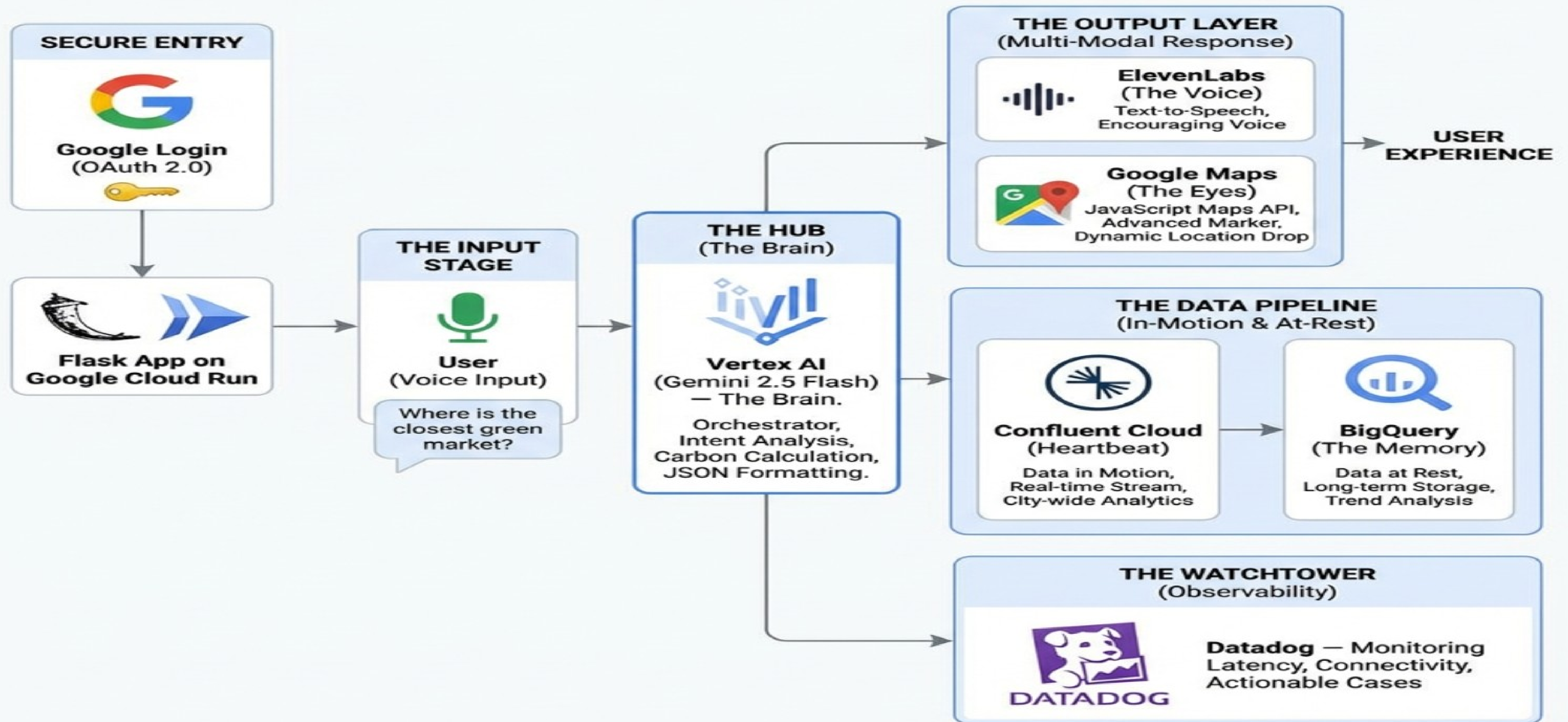
The Value

EcoStream uses Vertex AI (Gemini 2.5 Flash), ElevenLabs, confluence and bigquery to give users a voice-driven, personalized guide to green shopping.



Professional EcoStream System Architecture

(Flask App on Google Cloud Run)



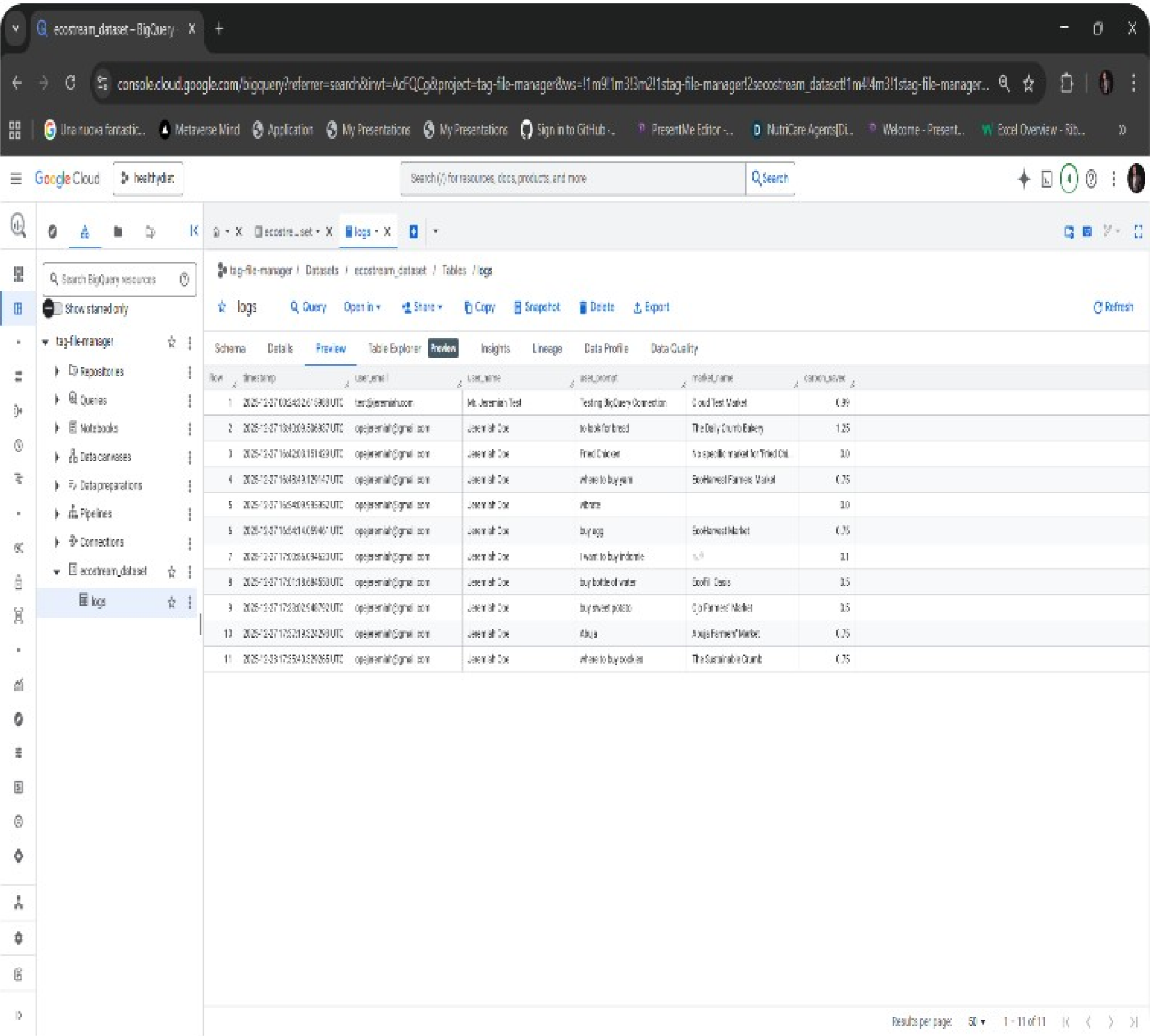
Live Demo

Experience the Future of Green Shopping: A voice-first, low-latency interaction that bridges the gap between digital data and local markets.

Watch
at https://youtu.be/DKCox6_jD8E

Data Proof

Platform	Action
>BigQuery	Row appearing
Confluent	Message Browser
Datadog	Request trace

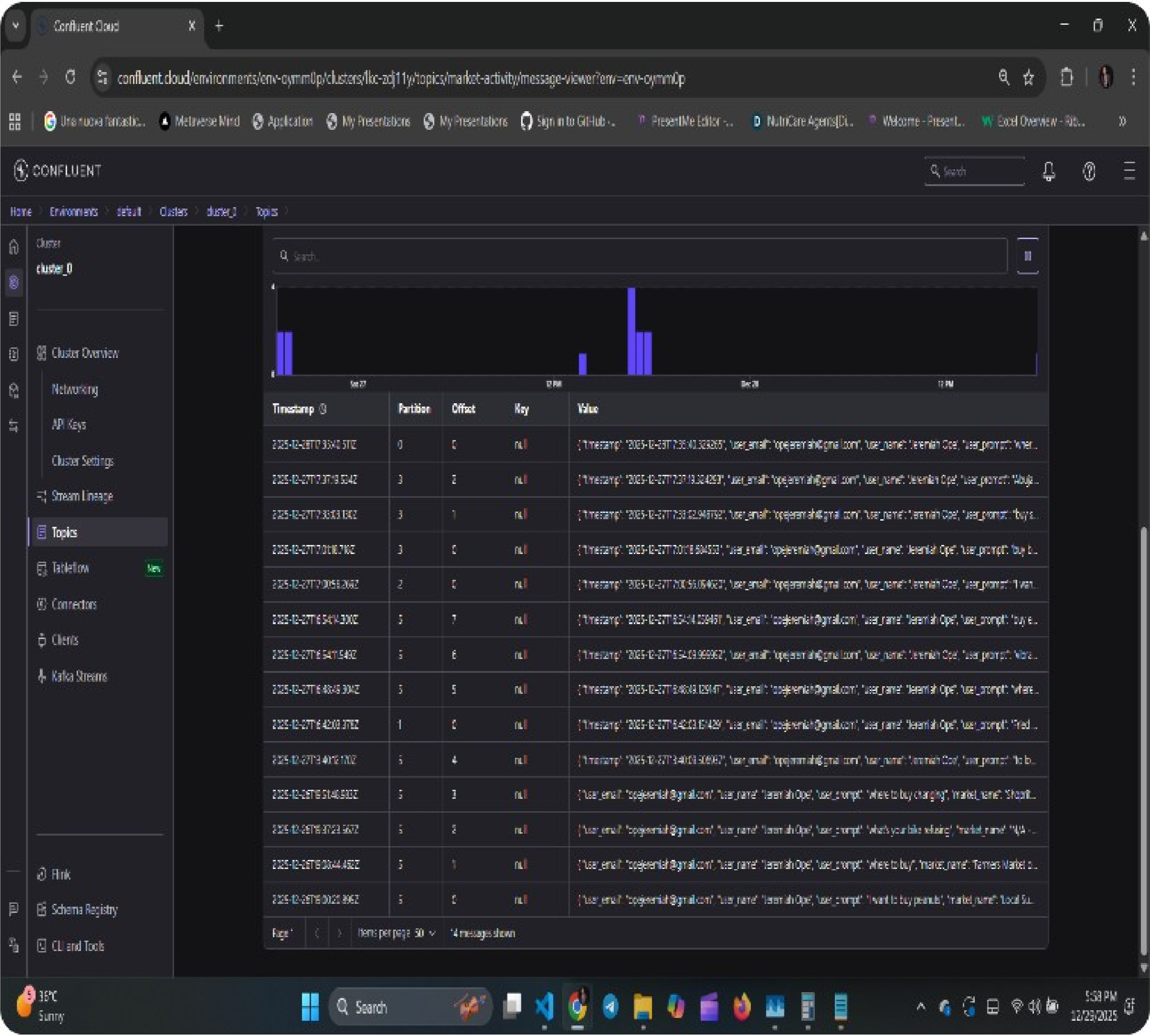


The screenshot shows the Google Cloud BigQuery console interface. The left sidebar displays the project hierarchy: tag-file-manager > Datasets > ecosystem_dataset > Tables > logs. The main panel shows the 'logs' table in 'Preview' mode. The table has 7 columns: Row, timestamp, user_email, user_name, sql_statement, table_name, and confidence. It contains 11 rows of data, each representing a query execution. The bottom right corner indicates 'Results per page: 50' and '1 - 11 of 11'.

Row	timestamp	user_email	user_name	sql_statement	table_name	confidence
1	2025-12-17 02:42:22+00:00 UTC	test@perimih.com	Mr. Jeremiah Test	Testing BigQuery Connection	Cloud Test Market	0.99
2	2025-12-17 03:00:03+00:00 UTC	operational@gmail.com	Jeremiah Cox	select * from test	The Daily Churn Bakery	1.25
3	2025-12-17 04:20:03+00:00 UTC	operational@gmail.com	Jeremiah Cox	find cancer	Is a specific market for Tired Old	0.0
4	2025-12-17 04:54:33+00:00 UTC	operational@gmail.com	Jeremiah Cox	where to buy pen	BookHeres Barnes Market	0.75
5	2025-12-17 05:40:03+00:00 UTC	operational@gmail.com	Jeremiah Cox	where		0.0
6	2025-12-17 05:41:03+00:00 UTC	operational@gmail.com	Jeremiah Cox	buy egg	BookHeres Market	0.75
7	2025-12-17 05:56:03+00:00 UTC	operational@gmail.com	Jeremiah Cox	I want to buy indomie	...	0.1
8	2025-12-17 07:01:13+00:00 UTC	operational@gmail.com	Jeremiah Cox	buy bottle of water	BookHeres Cases	0.5
9	2025-12-17 07:02:03+00:00 UTC	operational@gmail.com	Jeremiah Cox	buy meat pasta	BookHeres Market	0.5
10	2025-12-17 07:03:03+00:00 UTC	operational@gmail.com	Jeremiah Cox	buy	BookHeres Market	0.75
11	2025-12-17 07:04:03+00:00 UTC	operational@gmail.com	Jeremiah Cox	where to buy cookies	The Sustainable Churn	0.75

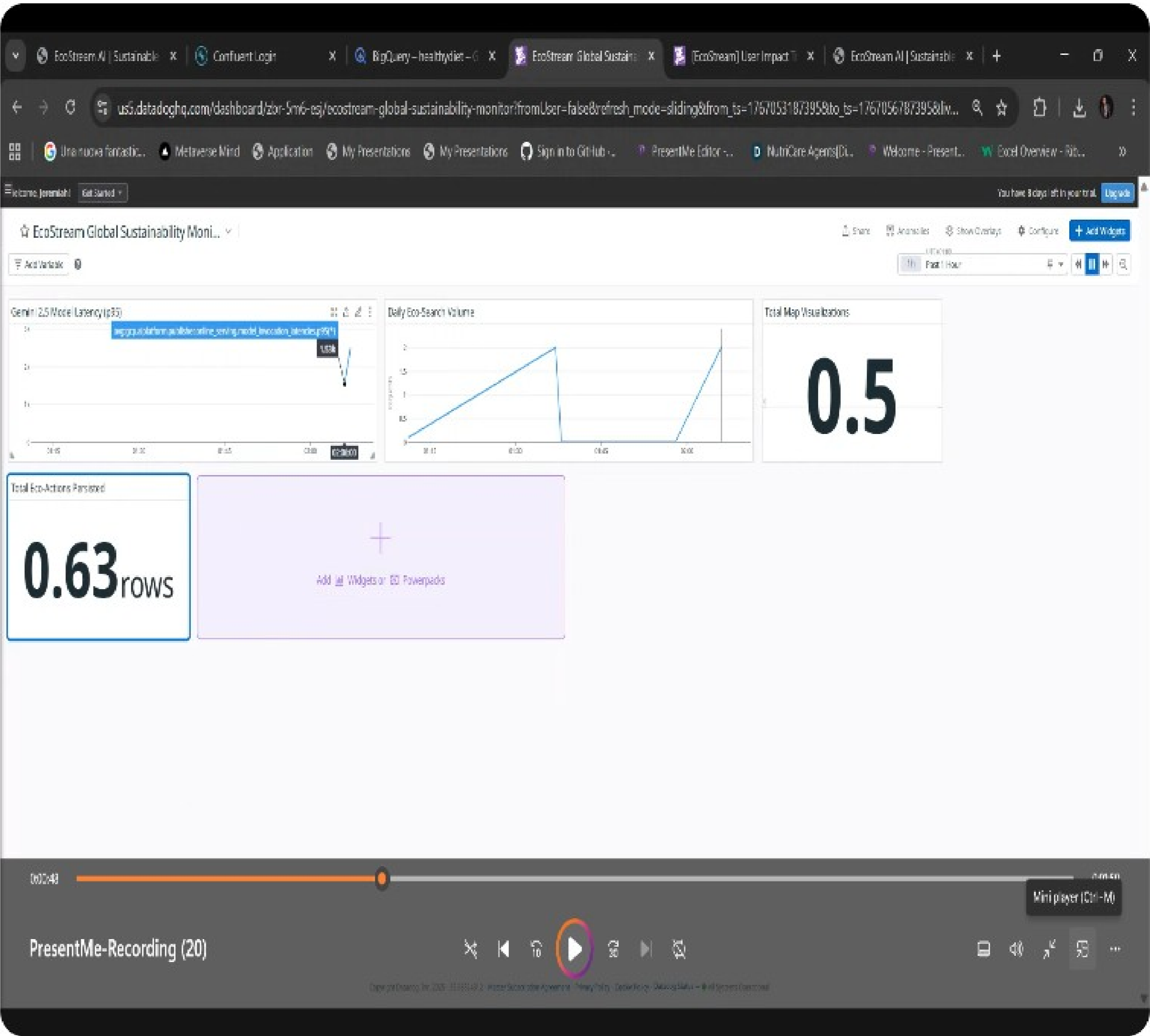
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Impact

By connecting millions of users to local markets, we can reduce urban carbon emissions by up to 15%. This is EcoStream: Smart, Voice-driven, and Sustainable.

