



# ECOSTREAM

TURNS REAL-TIME DATA INTO LOCAL ACTION

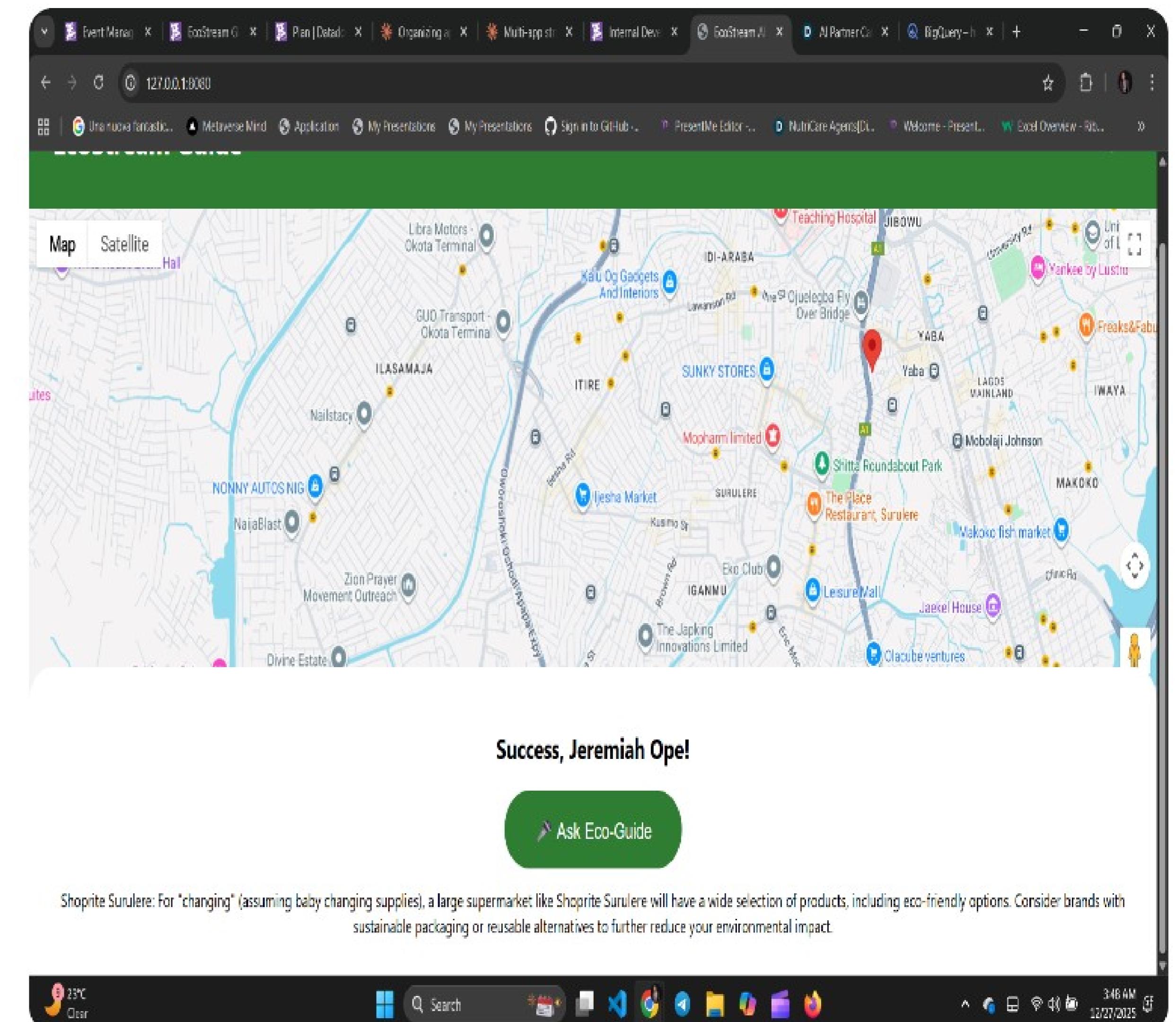
# The problem statement "Blind consumption"

- 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.



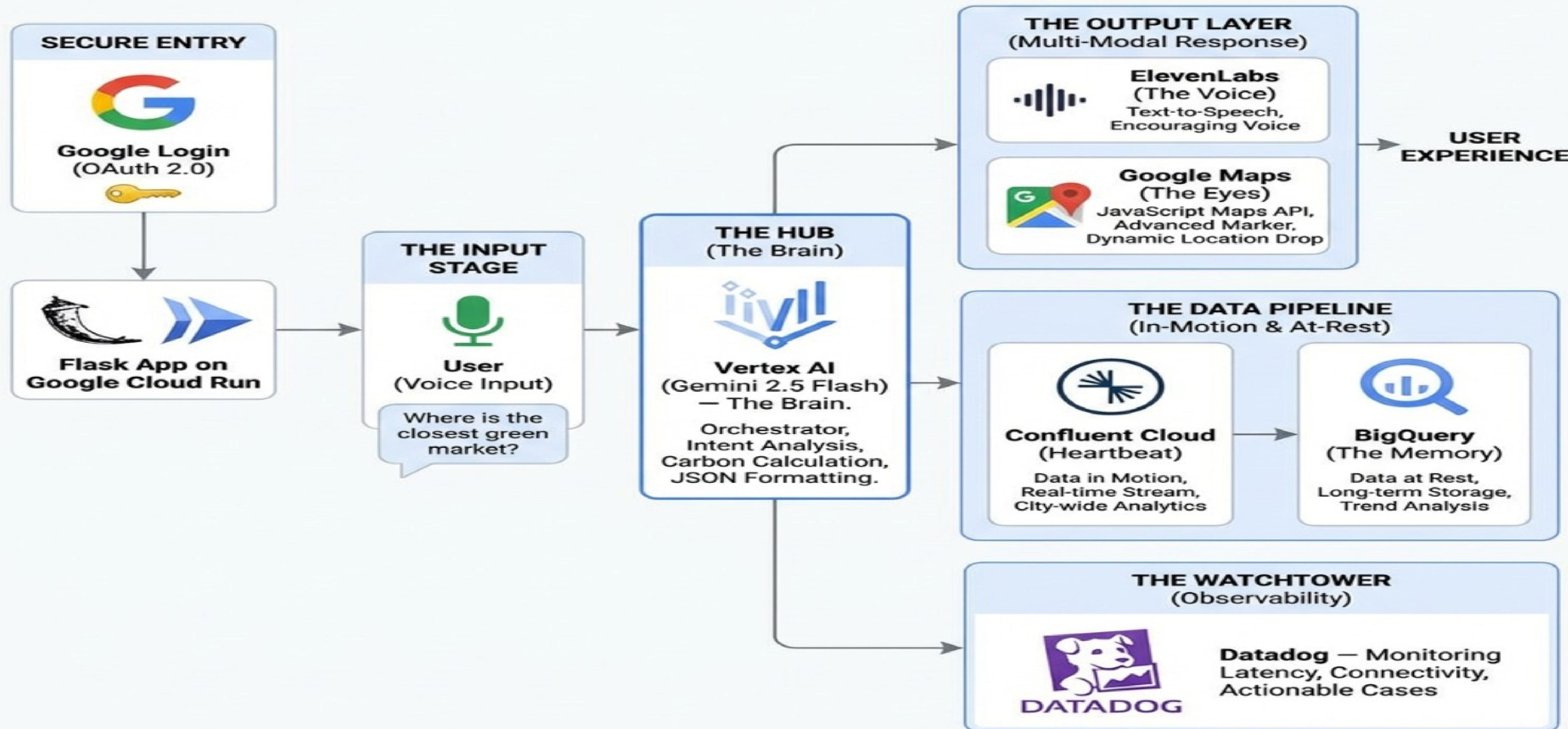
# The Value

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)



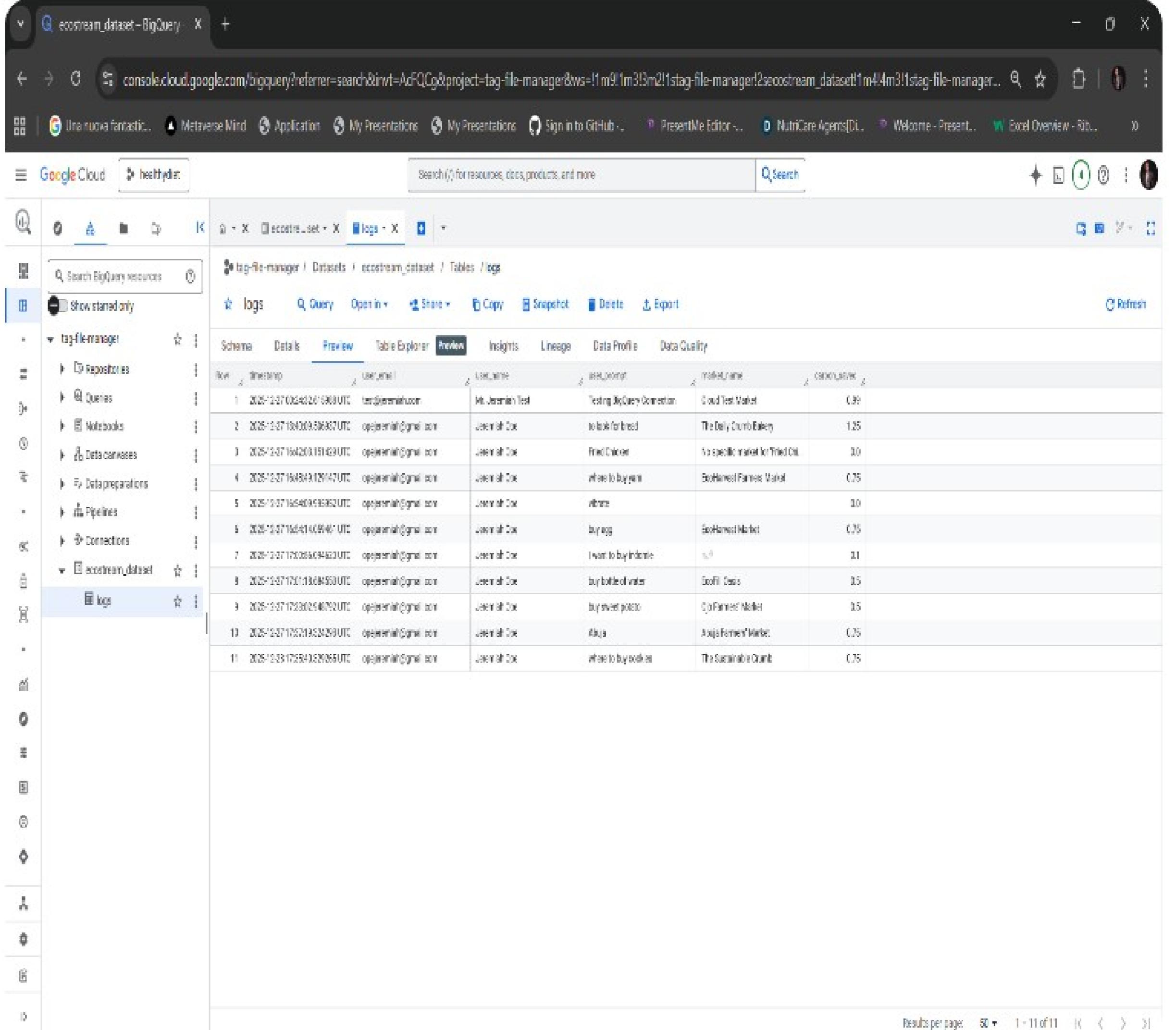
# Live Demo

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](https://youtu.be/DKCox6_jD8E)

# Data Proof

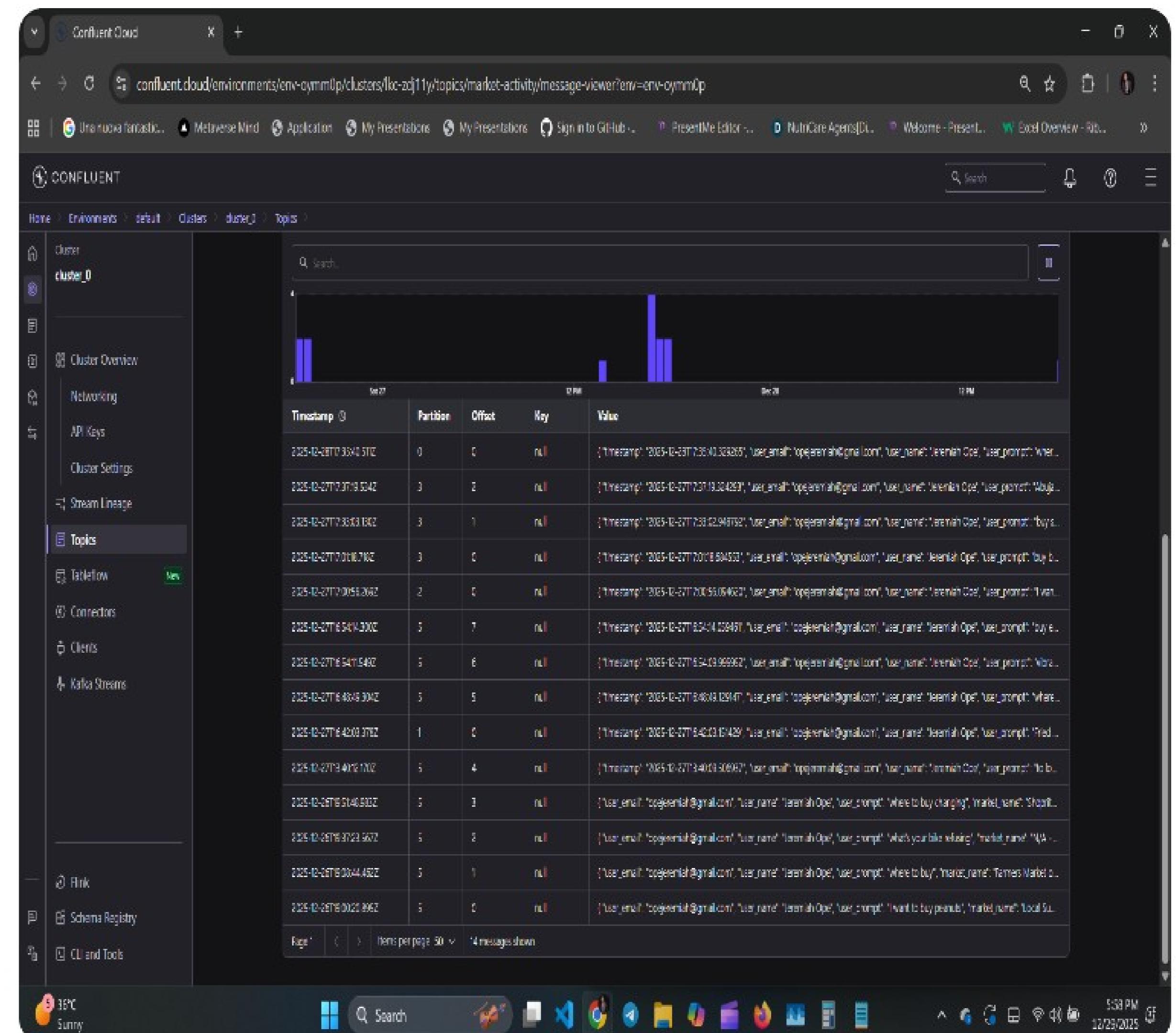
Platform	Action
>BigQuery Row appearing	Confluent Message Browser
Datadog	Request trace



Row	timestamp	user_id	username	password	method	url	status
1	2025-03-17T08:42:07.983UTC	1	user1	password1	POST	/api/login	200
2	2025-03-17T08:42:09.983UTC	2	user2	password2	POST	/api/login	200
3	2025-03-17T08:42:11.983UTC	3	user3	password3	POST	/api/login	200
4	2025-03-17T08:42:12.983UTC	4	user4	password4	POST	/api/login	200
5	2025-03-17T08:42:13.983UTC	5	user5	password5	POST	/api/login	200
6	2025-03-17T08:42:14.983UTC	6	user6	password6	POST	/api/login	200
7	2025-03-17T08:42:15.983UTC	7	user7	password7	POST	/api/login	200
8	2025-03-17T08:42:16.983UTC	8	user8	password8	POST	/api/login	200
9	2025-03-17T08:42:17.983UTC	9	user9	password9	POST	/api/login	200
10	2025-03-17T08:42:18.983UTC	10	user10	password10	POST	/api/login	200
11	2025-03-17T08:42:19.983UTC	11	user11	password11	POST	/api/login	200

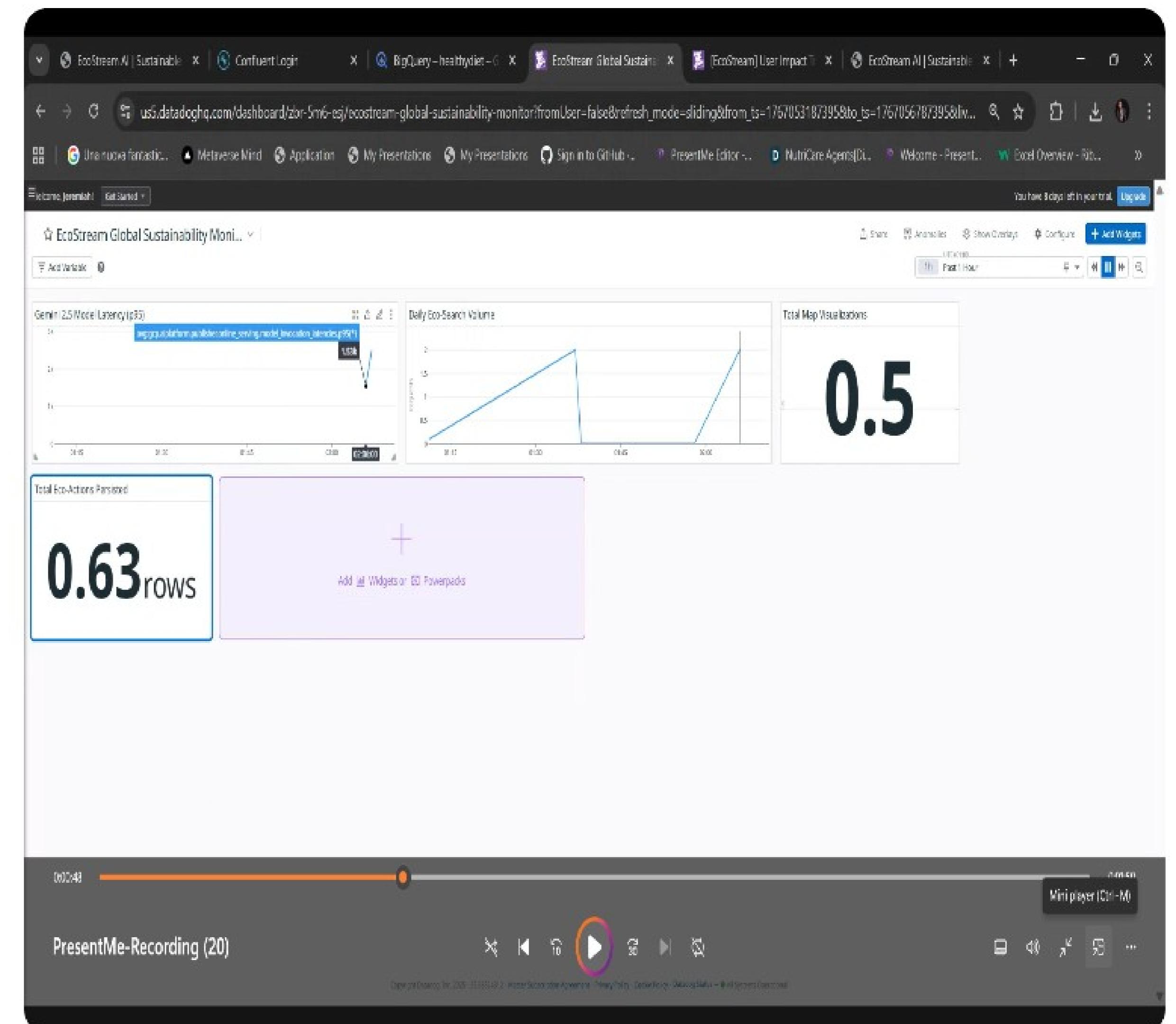
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Platform	Action
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# Impact

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.

