

### Integrating Azure Open Al and Copilot with SDSF

Sourav Chakraborty Principal Product Manager

Chintan Rajvir Software Engineer





## Agenda

- Sustainability and Azure Open Al
- Architecture
- Demo
- Q&A

### Meet your speakers



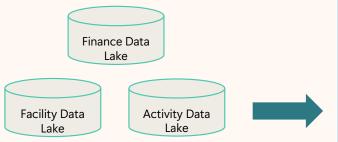
**Sourav Chakraborty** 

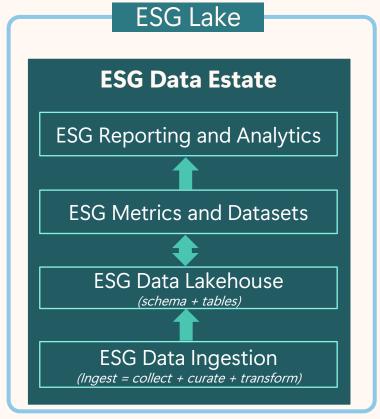
Principal Product Manager Microsoft Cloud for Sustainability

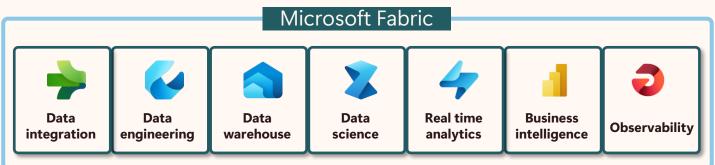


**Chintan Rajvir** 

Software Engineer Microsoft Cloud for Sustainability Sustainability data solutions in Fabric







Sustainability data platform to harmonize disparate enterprise data into ESG datasets and metrics

Purpose-built data estates for ESG scenarios Pre-built lakehouses, notebooks and dashboards

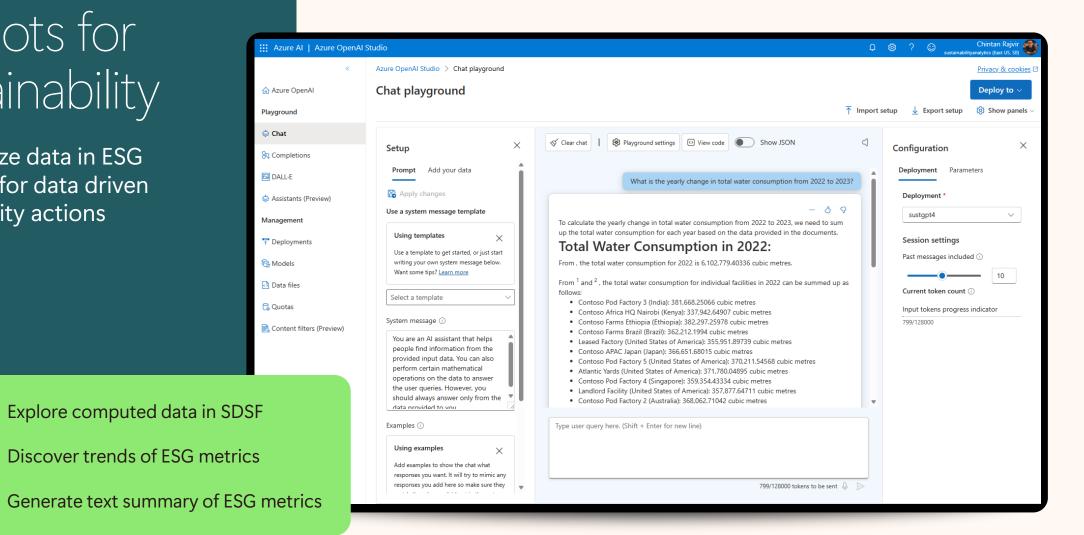
Fabric based deployment and operations Leverage Fabric resources to build ESG data estates

More reporting capabilities coming soon!

**Fabric Overview** 

# Applications of Copilots for Sustainability

Democratize data in ESG data lakes for data driven sustainability actions





A unified platform for developing generative AI apps and custom copilot experiences



#### Unified platform

Comprehensive AI Tools
Code-centric Developer
experiences



#### Data & search

Data integration Hybrid vector search



#### Foundation models

Best in class and open model catalog

Multimodal



#### Safe & responsible AI

Content classification

Model monitoring

Jailbreak risk detection

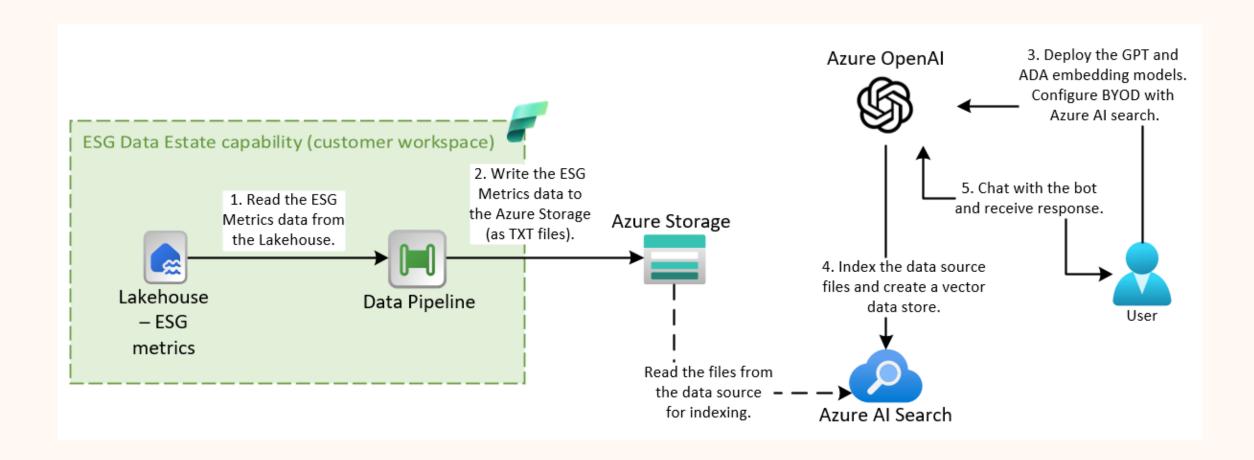


#### Full development lifecycle

Prompt flow
LLMOps
Model monitoring

Explore, build, evaluate, and deploy AI responsibly

### High-level architecture



# Demo

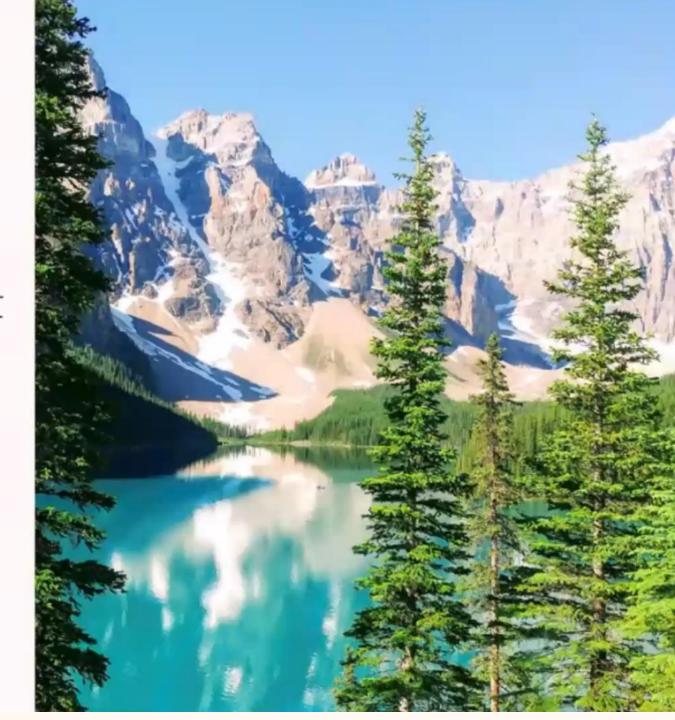


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#### Related sessions

#### Focus on Sustainability Data Solutions

Session	Title	Abstract	Speakers	Date
SUS04M	Introduction to Sustainability Data Solutions in Fabric (SDSF)	This introductory session will guide you through the foundational features of Sustainability Data Solutions in Fabric (SDSF). We will also uncover deployment best practices to maximize your Environmental, Social, and Governance (ESG) impact and investments.	Ravindran Gangadharan, Sourav Chakraborty	Monday, May 6
SUS05M	Audit compliance for Sustainability regulations	Discover how to adeptly navigate disclosure reporting requirements and utilize Microsoft Cloud for Sustainability to enhance the audit process, ensuring precision and compliance every step of the way. This session will provide an overview of the audit requirements for disclosure reporting and the capabilities provided by Microsoft for streamlining the audit process.	Neha Gupta, Chintan Rajvir	Monday, May 6
SUS04T	Transform your data with the ESG Data Estate	This session will expand on the foundational concepts of Sustainability data solutions in Fabric and explore how to extend the ESG Data Estate capability to meet sustainability reporting and analytical requirements.	Sourav Chakraborty	Tuesday, May 7
SUS05T	Microsoft Azure Emission Insights + Azure Carbon Optimization	Learn how to obtain, visualize, analyze, and optimize emissions data for Azure workloads. Discover the capabilities of Azure Carbon Optimization and Microsoft Emissions Insights offerings, and how they can empower you to make data-driven decisions for a more sustainable cloud environment.	Sourav Chakraborty, Kiran Motwani	Tuesday, May 7
SUS04R	Integrating Azure Al's Document Intelligence models with Sustainability Data Solutions in Fabric	Learn how to extract and transform unstructured data from sources like images, documents and forms, into structured data stored within delta lakes. We'll guide you through the process of creating an Azure Al instance, integrating with Azure Key Vault, and using SDSF notebooks to convert images or documents into usable data which can be further used for analysis within Fabric.	Abhinav Premsekhar, Deep Baldha	Thursday, May 9



#### Thank you!

- How was the Summit? We want to hear from you! <a href="mailto:aka.ms/MCfSTSFeedback">aka.ms/MCfSTSFeedback</a>
- ESG Data Estate documentation

  ESG data estate (preview) Microsoft Cloud for Sustainability
- Join the Sustainability Community! <a href="mailto:aka.ms/MCfSCommunity">aka.ms/MCfSCommunity</a>
- Learning Resources

  <u>aka.ms/CloudforSustainabilityLearnCollection</u>





Please type your questions **in the chat** and we will answer them during the Q&A session.

