

# Sense, Respond, Act: Prioritising Sustainable Data Strategies for a Changing World in the Financial Sector



Duet between Devan Manmoandas & Camilo Amarcy  
DataCon Africa, June 2023

**MOZA**  
O valor é teu.

01

SENSE

02

RESPOND

03

ACT



Midjourney Bot Sense, Respond, Act - @cands3k (fast)

Today at 11:12 AM

Sense, Respond, Act - @cands3k (fast)



**01**

**SENSE**

01

SENSE

02

RESPOND

03

ACT



Midjourney Bot **BOT** Sense, Respond, Act - @cands3k (fast)

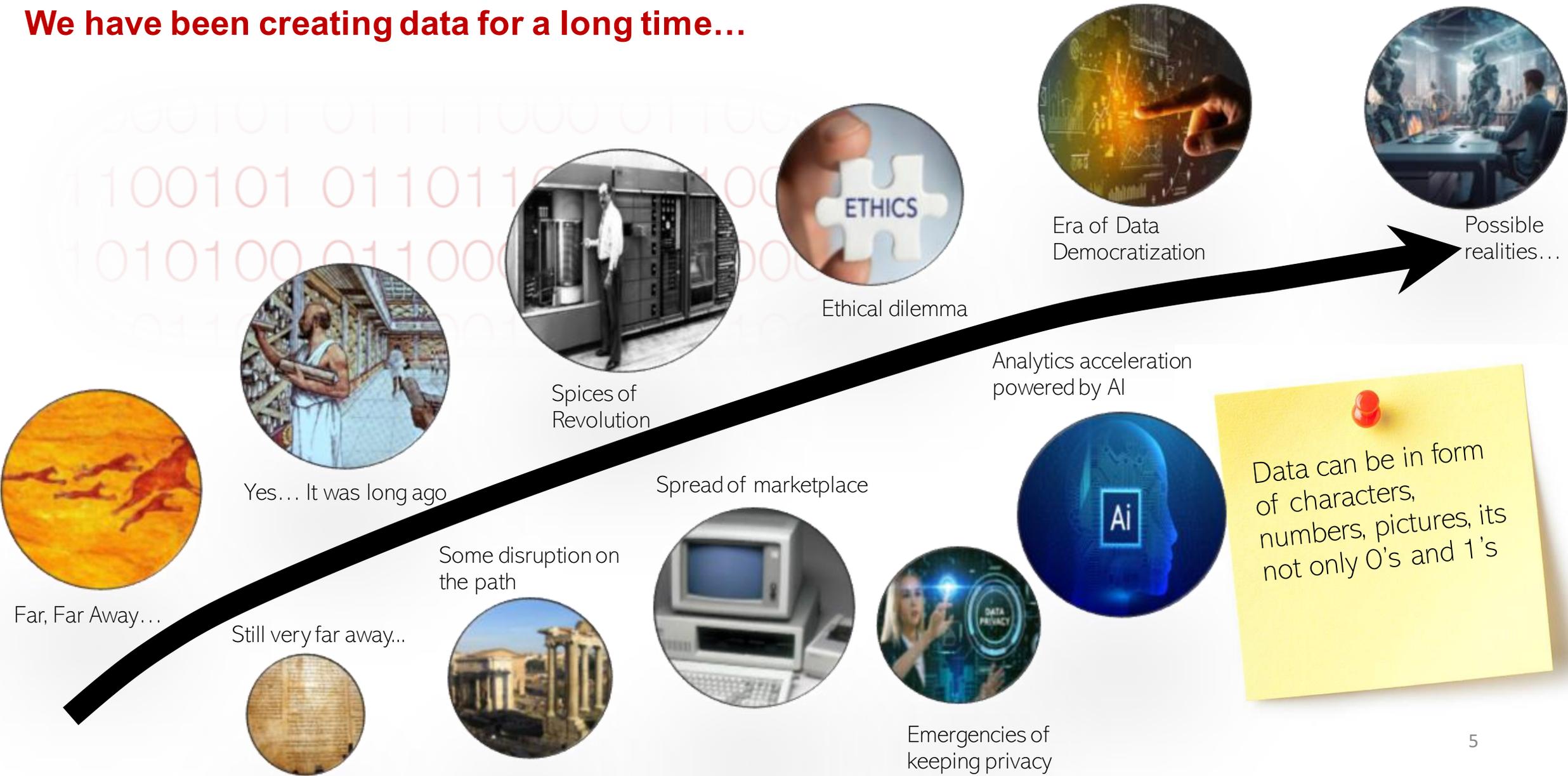
Today at 11:12 AM

Sense, Respond, Act - @cands3k (fast)



# To understand the Importance of Data we need to travel to our Past

We have been creating data for a long time...



Data can be in form of characters, numbers, pictures, its not only 0's and 1's



CNBC  
2:50



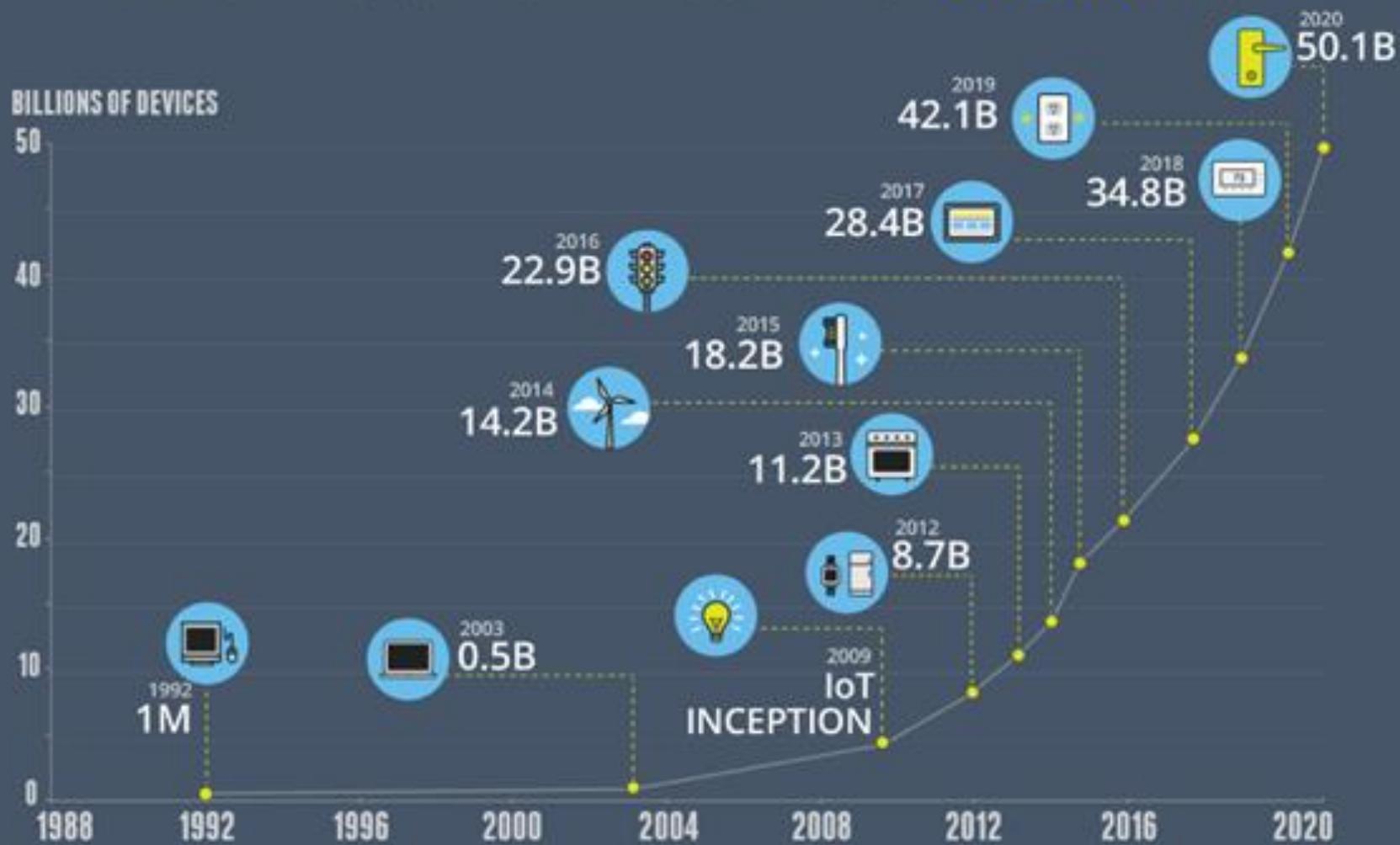
### Ericsson CEO Sees 50 Billion Connected Devices

Carregado: 25/02/2013

Hans Vestberg, CEO of telecom equipment maker Ericsson, sees 50 billion connected devices by 2020.

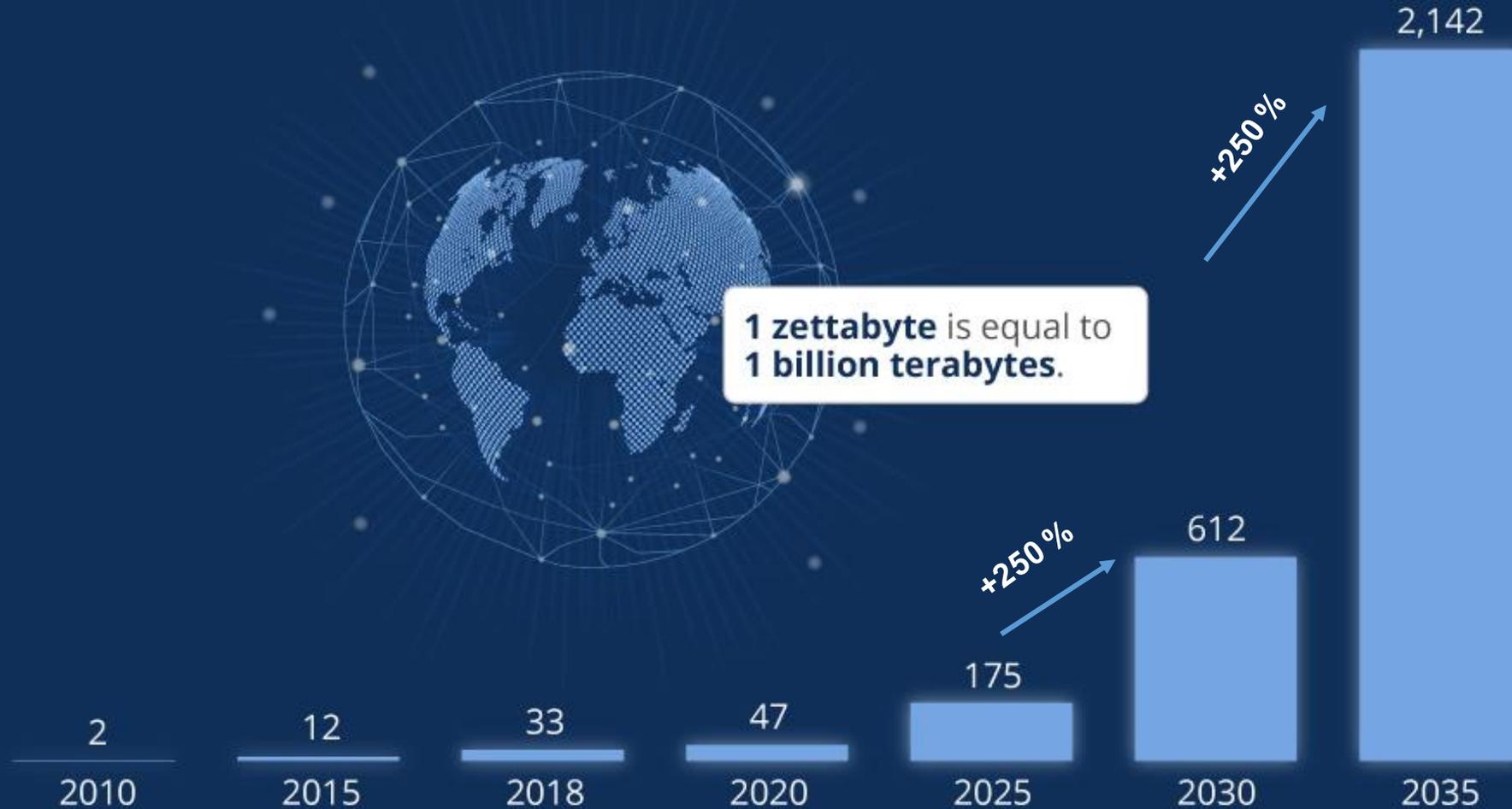
# GROWTH IN THE INTERNET OF THINGS

THE NUMBER OF CONNECTED DEVICES WILL EXCEED **50 BILLION** BY 2020



# Global Data Creation is About to Explode

Actual and forecast amount of data created worldwide 2010-2035 (in zettabytes)



@StatistaCharts

Source: Statista Digital Economy Compass 2019

# So, What's New in Our Days! The trend of 2023 is Artificial Intelligence...

- Increased Data Privacy & Secure Data Sharing on Collaboration;
- Artificial Intelligence & Data Science Automation;
- Ethics in **AI and Data**;
- Internet of Things;
- **Quantum Computing** for Data Processing;
- Use of Massive Data in Financial Decision Making;
- Augmented Reality and **Data Visualization**;
- Natural Language Processing for Data Analysis;
- Predictive Analytics and **Machine Learning** Models;
- Blockchain for Data Security and Integrity;
- **Automated Decision Making** and Algorithmic Fairness;
- And... many more...



Internet of  
Things

Digital  
Transformation

Managed  
Services

Banking on the  
Cloud



Machine  
Learning

Apps & Eng  
Services

Data & AI

Risk &  
Compliance



Data Privacy and  
Ethical Dilemma



Quantum  
Computing



VR and AR



Cyber Security  
and Compliance

**Data** is the common denominator! It is the foundation for Artificial Intelligence, Machine Learning and the Digital Transformation.

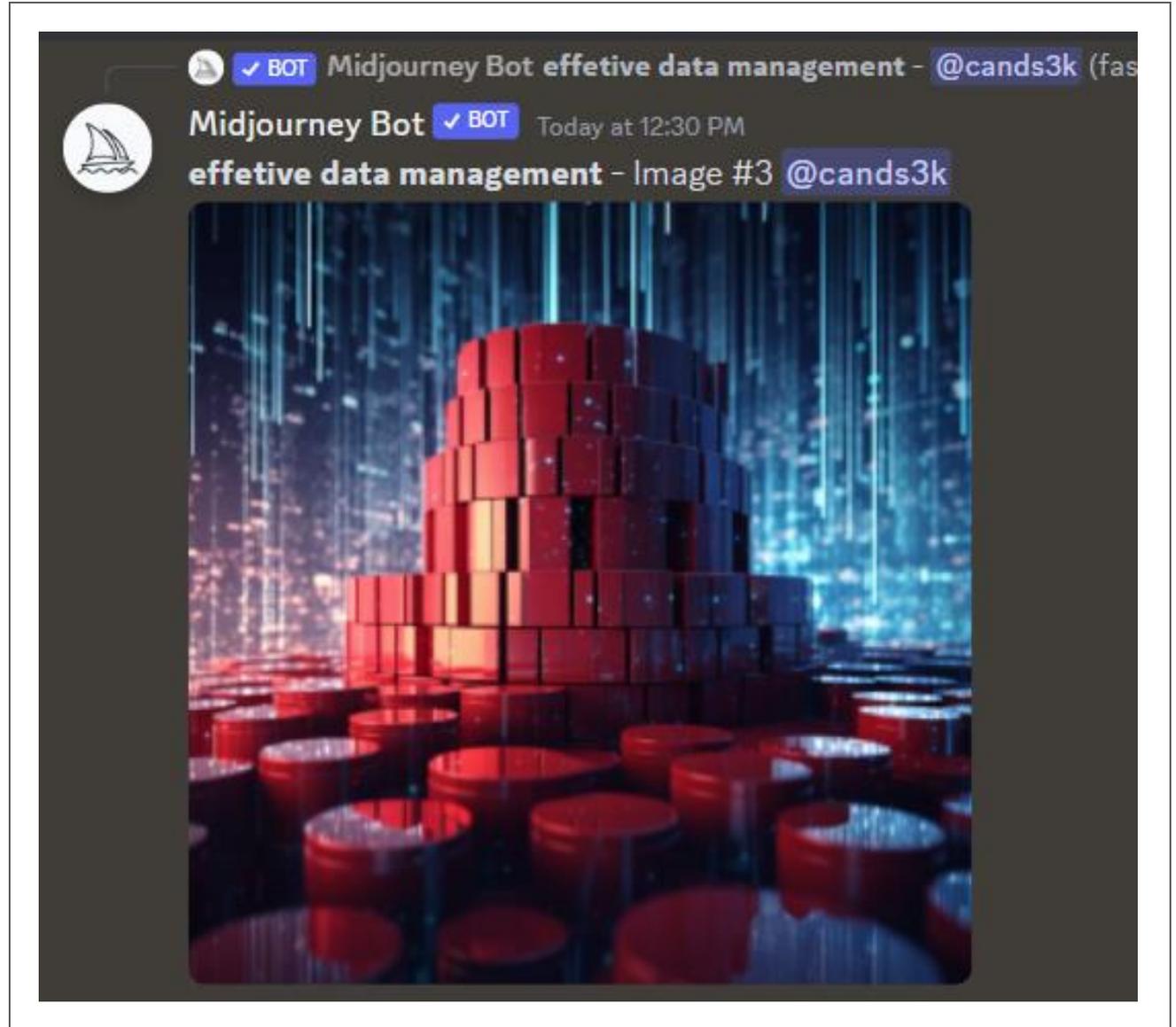
# Harnessing the Power of Data for Business Success

- Businesses are turning to data-driven decisions for **improved performance and ROI**.
- They are using customer data insights to personalize products and services.
- Data analysis is being used to identify **market trends** and consumer preferences.
- Data-driven optimization is improving supply chain management.
- **Effective CRM strategies** are leveraging data for stronger customer relationships.
- Predictive analytics are being used to identify and mitigate business risks.



# The Need for Effective Data Management

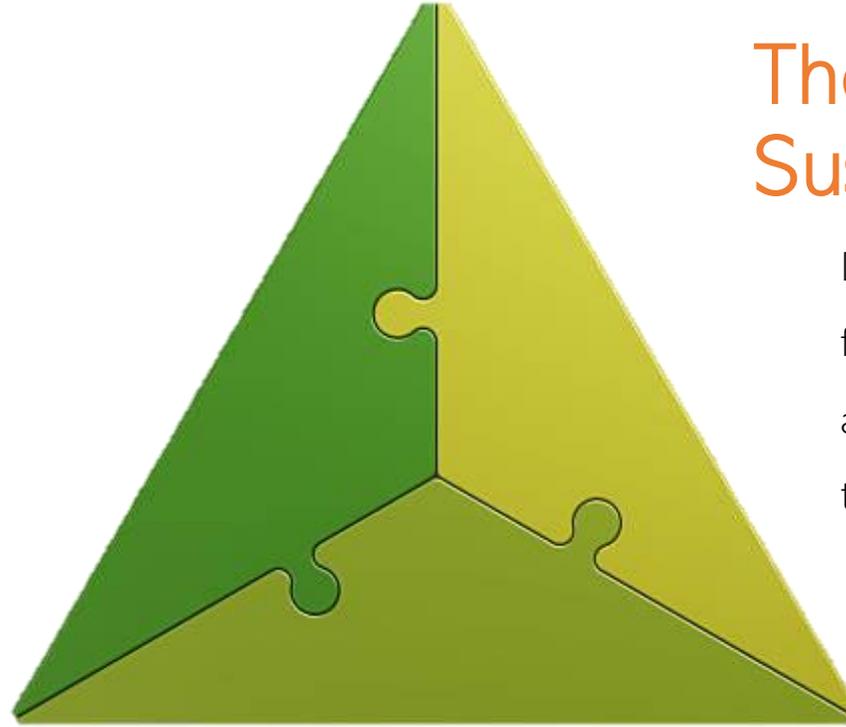
- **Data governance** is becoming essential to maintain quality, integrity, and compliance amidst the growing data.
- With larger datasets, the **importance of data cleansing** and preprocessing to improve data accuracy is paramount.
- **Efficient data storage** and retrieval are key in facilitating quick access to data.
- **Data lifecycle management** is important to track data from its creation to deletion.
- Given the increasing cyber threats, robust data security measures are essential to **protect unauthorized access**.



# Empowering Sustainability: Navigating the Data Revolution Responsibly for a Greener Future

## Data Evolution

Technological evolution has led to an **exponential growth** in the amount of data we collect and analyze. This expansion of data opens up new possibilities for sustainability, allowing for more accurate and timely tracking of our actions on the climate.



## The Critical Role of Data for Sustainability

Data play a central role in our vision of a sustainable future. They allow us to track our progress, identify areas of improvement, and make informed decisions that benefit both us and the planet.

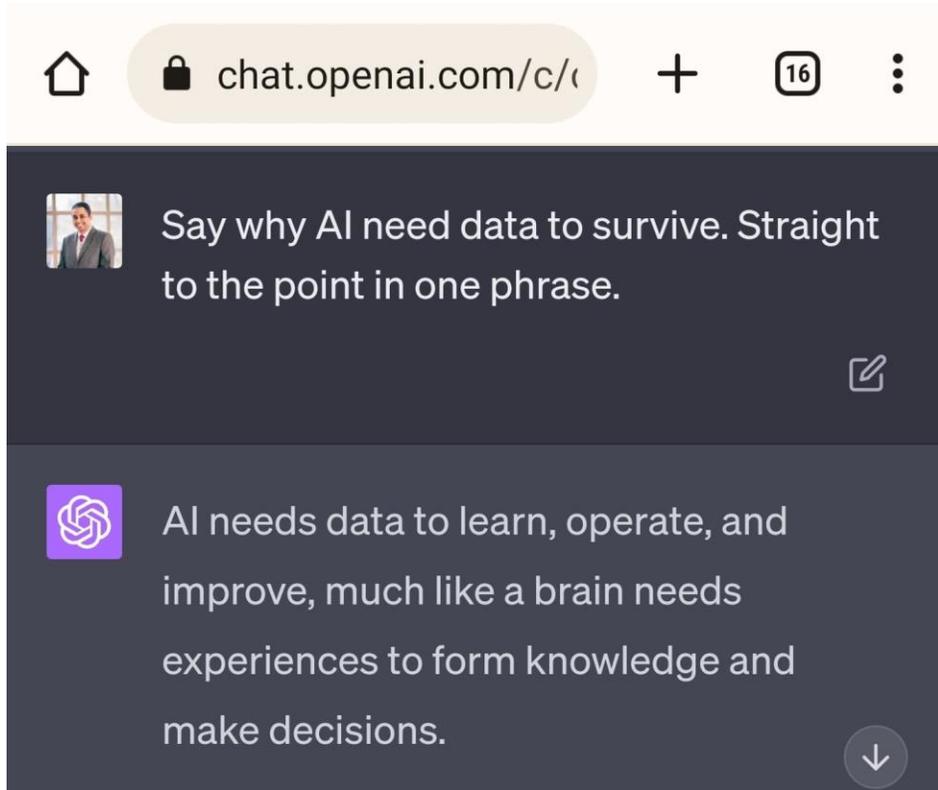
## Responsibility with Data

As we become increasingly reliant on data, so too does our responsibility to manage it correctly. This is particularly crucial in the field of sustainability, where the data we collect and report have a direct impact on our planet and humanity's future.

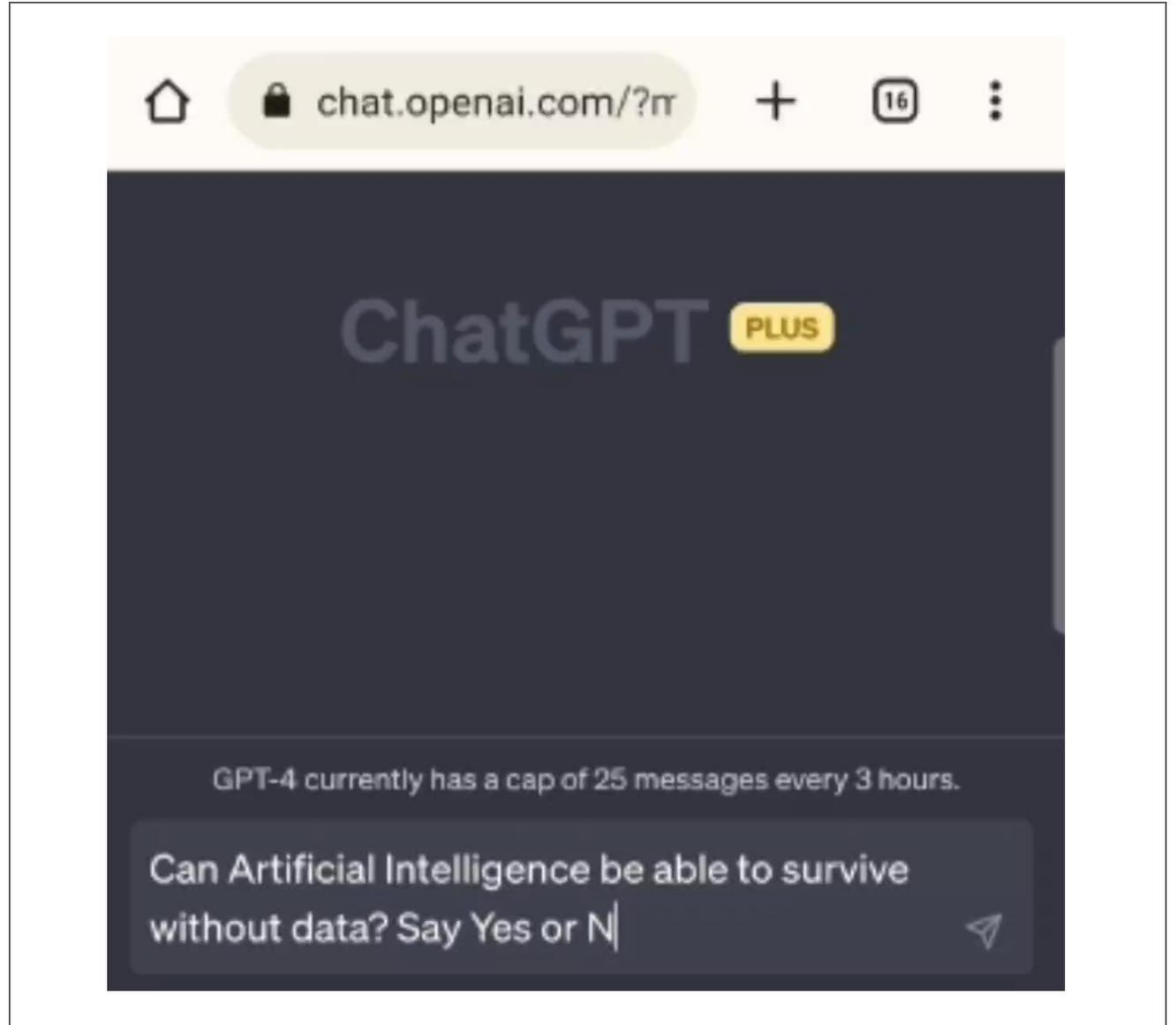
**02**

**RESPOND**

# Let's Stop, and Ask: Are we missing something on this Journey?



Let's keep the focus on the Data.



# Data Integrity in the AI Era for Sustainable Outcomes

## The AI Era and the Importance of Veracious Data

With the advent of the AI era, it becomes crucial that the data we produce are true, valuable, and controlled. In sustainability, this is especially important as the data inform decisions that have long-term implications for our environment.

## Data Certification

To be able to trust the data we use, we need to ensure they are certified and reliable. This is even more important in the context of sustainability, where inaccurate or misleading data can lead to harmful actions towards the environment.

## Real vs Reel

In the digital era, we need to differentiate between what is real and what is 'reel'. In terms of sustainability, this means questioning and verifying the veracity of the data we receive and use.



# Shaping the Future: The Crucial Role of Transparent and Actionable *Data*

## The Importance of Data Transparency

In the world of sustainability, data transparency is crucial. It's not enough to just be carbon neutral; companies need to be open and clear about their actual emissions and the offsets they are purchasing.



## Present Decisions Affecting the Future

The decisions we make today, guided by data, have the potential to positively or negatively affect our future. In sustainability, this means we need to make conscious choices that lead to a greener and more sustainable future.

## Data and Climate Finance

Data play a crucial role in securing finance for emission reduction and water conservation projects. To be eligible for financing, companies need to provide accurate and auditable data.

**03**

**ACT**

# Importance of Data Strategy & How to Start the Data Journey...



## How to Start the Data Journey

- Define clear goals and objectives for utilizing data in your organization.
- Assess the current data infrastructure and identify any gaps or limitations. Establish data governance policies and ensure compliance with regulations.
- Identify and acquire the necessary tools and technologies for data management.
- Invest in data literacy and training programs for employees. Start small and focus on a specific use case to demonstrate the value of data-driven insights.
- But!! Assure sponsorship from Top Management!

# Overcoming Challenges: Case Study of Moza Banco

- Strategies and actions taken by Moza Banco to address these challenges.
- Insights into the lessons learned from Moza Banco's experiences in overcoming obstacles.
- Analysis of the impact of these strategies on Moza Banco's performance and growth.
- Relevance of the case study for other Financial Organizations facing similar challenges.



Our CEO and HR Director  
Receiving the for  
Two consecutive  
Years receiving  
the award of  
being part of the  
best banks to  
work in  
Mozambique.



Our Chairman of the Board is receiving recognition for managing Moza Banco as one of the best companies to work for. With an amazing work environment, we are attracting more talent.



Partnering with SMEs to Accelerate Payments through Remote Payments for Government and Schools fees



ExCo in a training around the best practices to manage Data Related Subjects

# Long-Term Value Creation

Data-driven sustainability strategies not only improve companies' operational efficiency but also create long-term value. By integrating sustainability into their operations, companies can shield themselves against energy price volatility and climate change risks, while building a positive legacy for the future.

Attracting  
Stakeholder  
Interest

Positive  
Legacy

Mitigating  
Climate  
Change  
Risks

Resilience  
to  
Volatility

Data-  
Driven  
Decisions

Long-Term  
Value

# Embracing the Data-Driven Future: A Call to Action for the Sustainability of Financial Sector

The future of Financial Sector is not just digital; it's data-driven.

Let's seize this moment and shape a prosperous, inclusive future together."

The future of data is now! We as Data Professionals can't stop now! Let's embrace the challenge and assure that in everything we do we do for a better future, a sustainable future and let's use the Power of Data to make it happen.





Kanimambo,  
Camilo & Devan