

# The Journey from A to Net Zero

 MyCO2Compass

**Atos carbon emissions  
data platform**

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Head of NZT Digital Platforms

**Atos**

# Decarbonization, Carbon Neutrality and Net Zero

## From leading the pack to pioneering

**1** Decarbonization is entering the Board room

**2** Beyond classic CSR

**3** Unprecedented public initiatives (EU Green Deal)

**4** Major economic driver post Covid-19

**€100bn**

EU Green Deal investment plan over the next decade + US back in the International Paris Agreement

**1.4% | >15%**

Digital sector represents ~1.4% of global CO<sub>2</sub> emissions however can help contribute to >15% global CO<sub>2</sub> emissions reduction (World Economic Forum)

**80%**

of our customers have already set emissions reduction targets



### Skills

- Digital industry leadership enhanced by **EcoAct** climate advisory and offsetting
- Unique expertise on **carbon footprint management** and **decarbonization** actions
- Deep knowledge in **Decarbonization enabling technologies** such as IoT, Cloud, AI & Analytics and Digital Twins
- Best in-class **Green High Performance Computing servers**
- Atos **Scaler program** for key Net Zero related startups
- Open ecosystem of **partners**



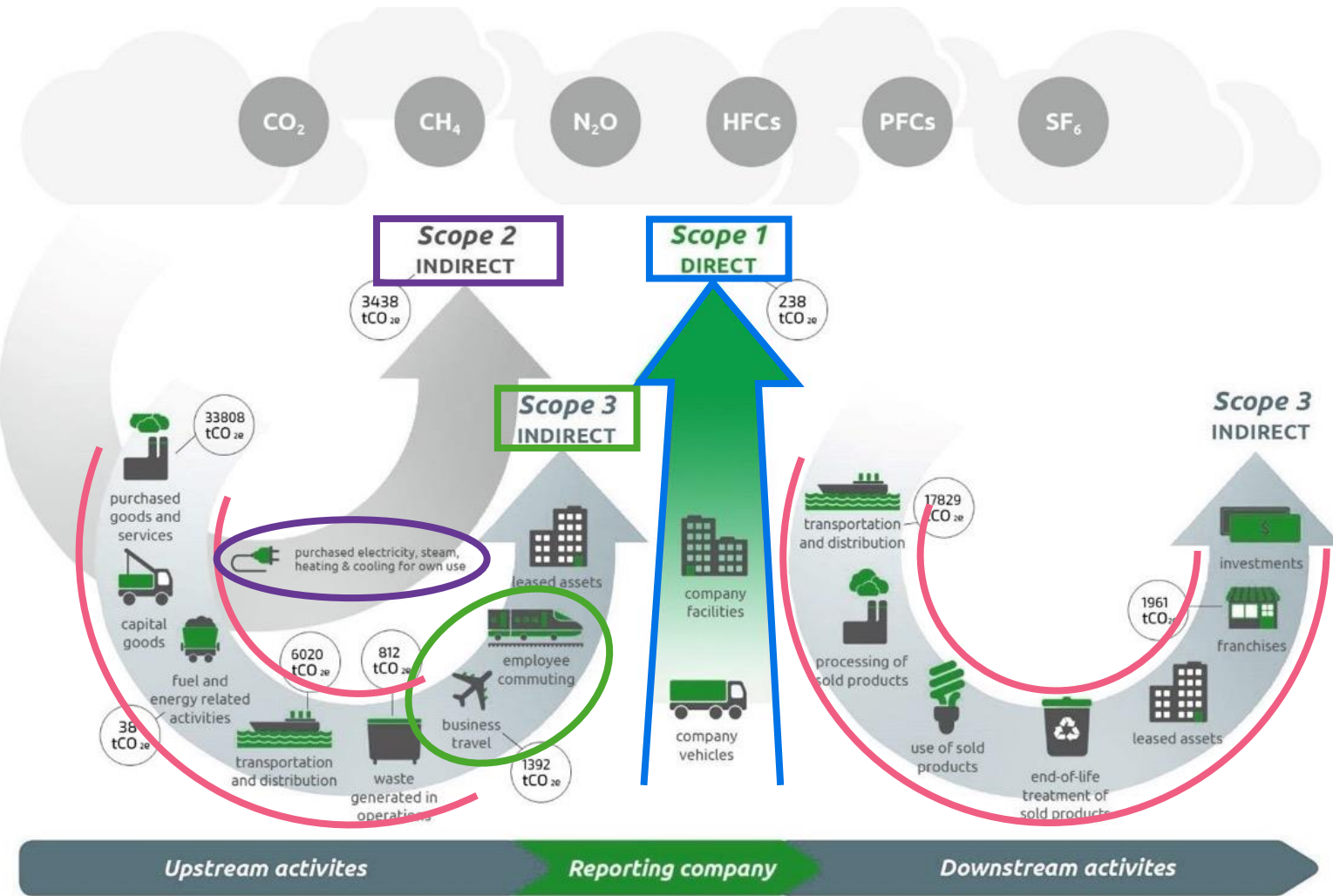
### Track Record Undisputed Industry Leader



ecovadis



# MyCO2Compass Platform Scope



- Scope 1 (Direct)**
- Facilities / Real Estate
  - Data centers
  - Vehicles

- Scope 2 (Indirect)**
- Purchased electricity, heat, steam

- Scope 3 (Other indirect)**
- Travel (air, rail, bus, auto, etc.)
  - Employee commuting (auto, bus, rail, etc.)

- Scope 3 (Upstream/downstream)**
- Purchased goods/services
  - Capital goods
  - Transportation/distribution
  - Waste generation
  - Leased assets
  - Processing/use/disposal of sold products
  - Franchises
  - Investments

# What is MyCO2Compass?



Cloud based decarbonization platform enabling automated carbon calculation, forecasting with climate impact and manage residual carbon all from one platform



Ability to react to customer requirements with standardized used cases, configured and customized to reflect customer demand giving data insights to support the customers' move to net zero

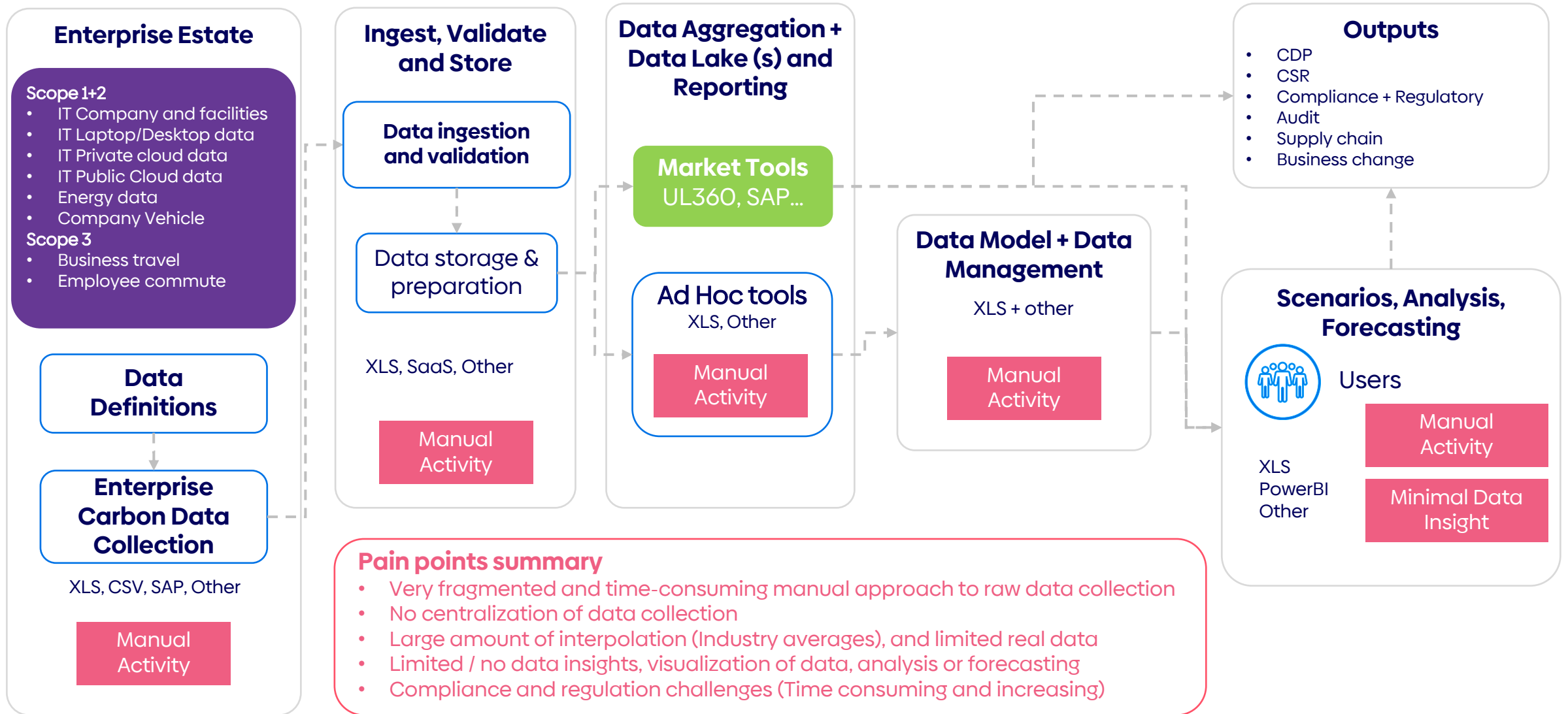


Industrialized multi hyper scaler environment with the ability to deploy and interact across multiple cloud providers



Modular and API driven use cases with the ability to automate, interact and combine to leverage advanced requirements (eg internal carbon pricing)

# Enterprise Sustainability Reporting pain points being addressed by Atos today



# Emissions Data: The Starting Point for Your Journey to Net-zero



Measure relevant emissions data to understand the organization's full climate impact – the carbon footprint



Understand ALL direct or indirect emissions across the entire value chain, against which progress will be tracked.

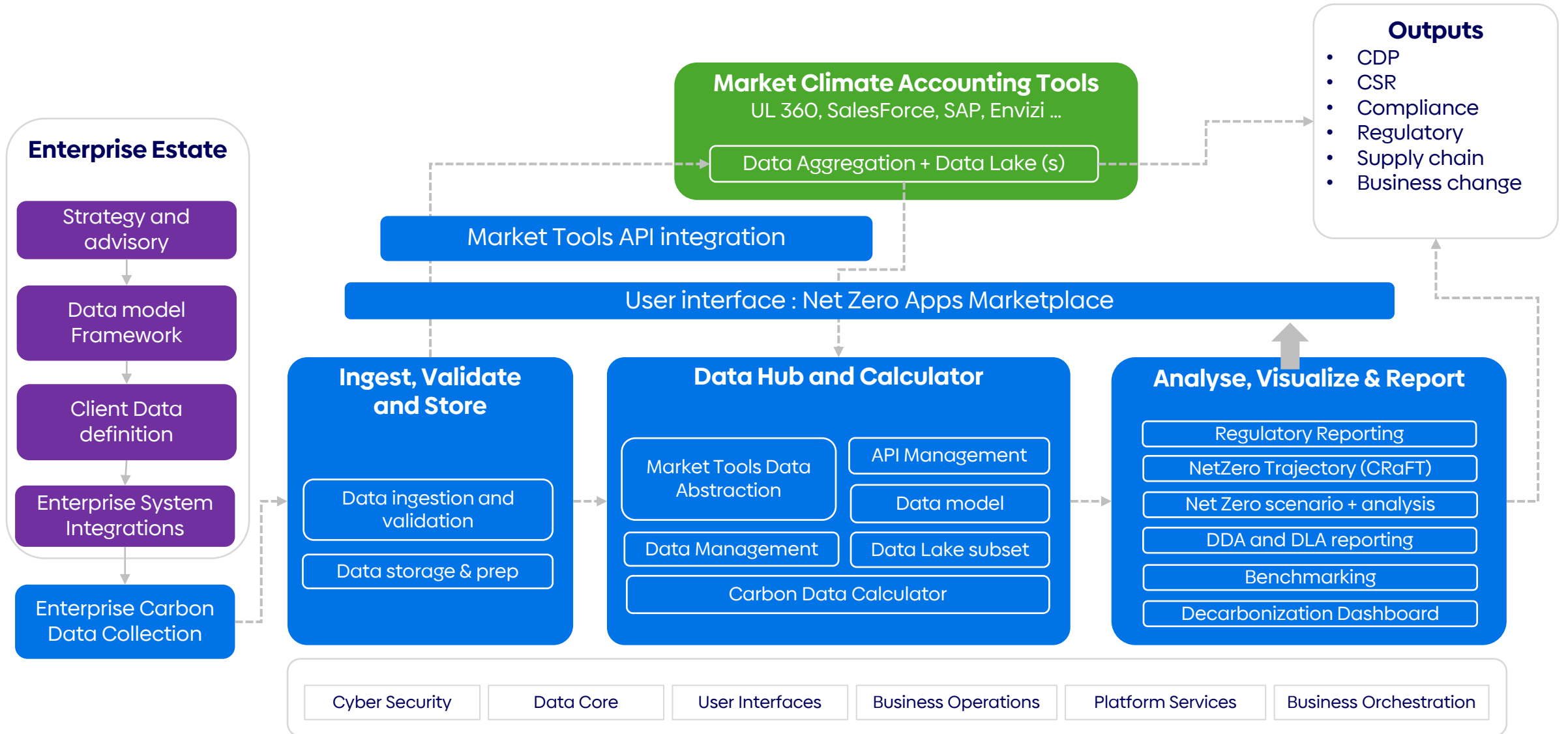


Use the baseline carbon footprint to outline the strategy and set Science-Based Targets (SBTs) for emissions reductions.



However, identifying, collecting, validating, managing and reporting emissions data is complex and challenging

# MyCO2Compass Vision



# Digitalizing carbon data collection, combining datasets and creating new insights for net zero acceleration



**ICT**  
IT Devices, Infra

**Energy**  
Data Center

**Real estate**  
HVAC, BMS

**Weather**

**Supply Chain**

**Mobility**

**Climate Risk + Biodiversity**

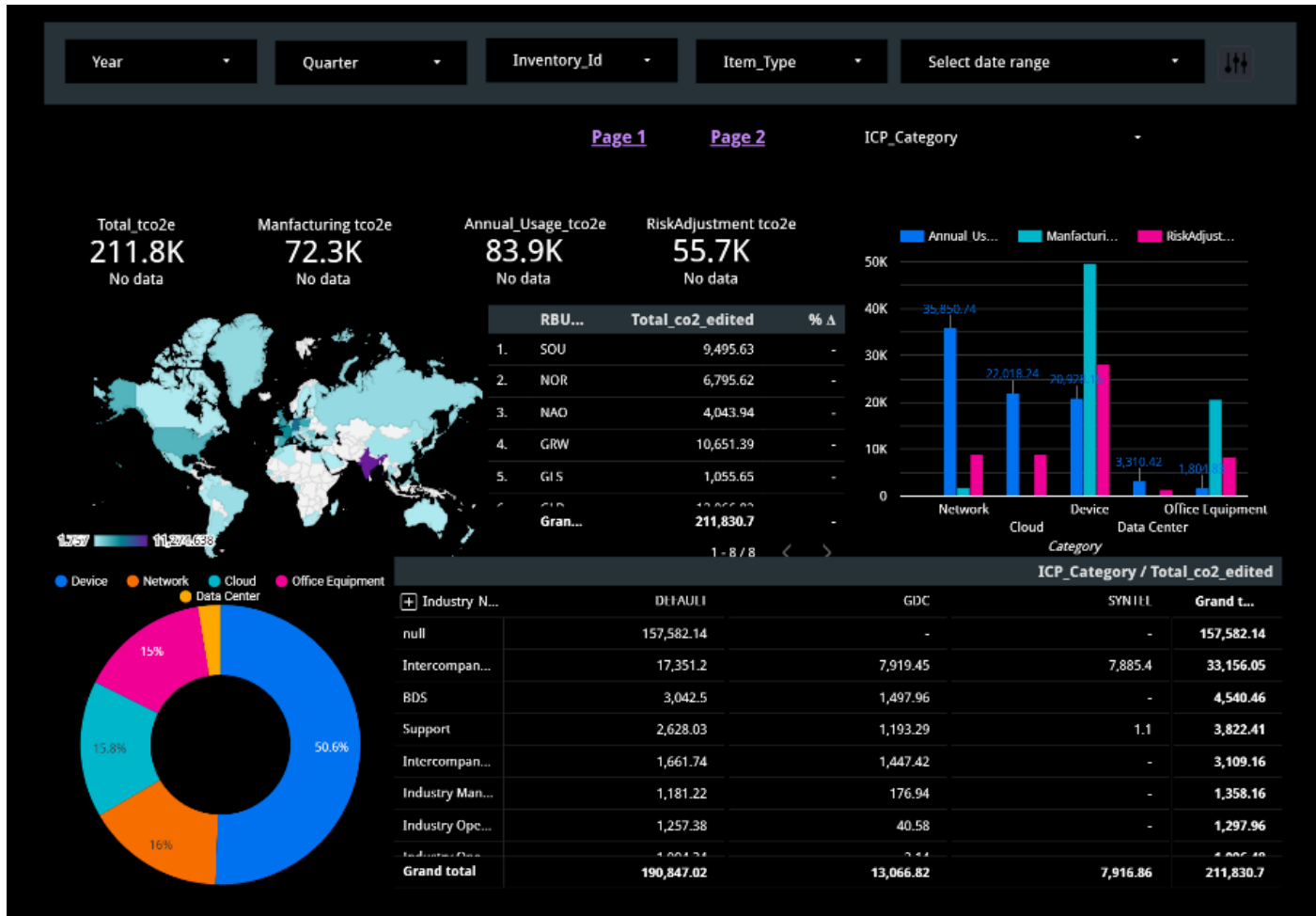
**Other ...**



**Cloud Foundation Platform**



# ICT carbon calculator



## Decarbonization Level Agreement



Decarbonization Level Agreement dashboard is key to the DLA service offering enabling the customer to track and monitor progress



Key enabler of the validity of the Decarbonization Level Agreement Dashboard is the validation through external auditors (EY)



## Laptop power usage measurement (cooperation with DWP)



After initial carbon calculator PoC we got commissioned to use our Digital Work Place capabilities to measure real power consumption of laptop PCs



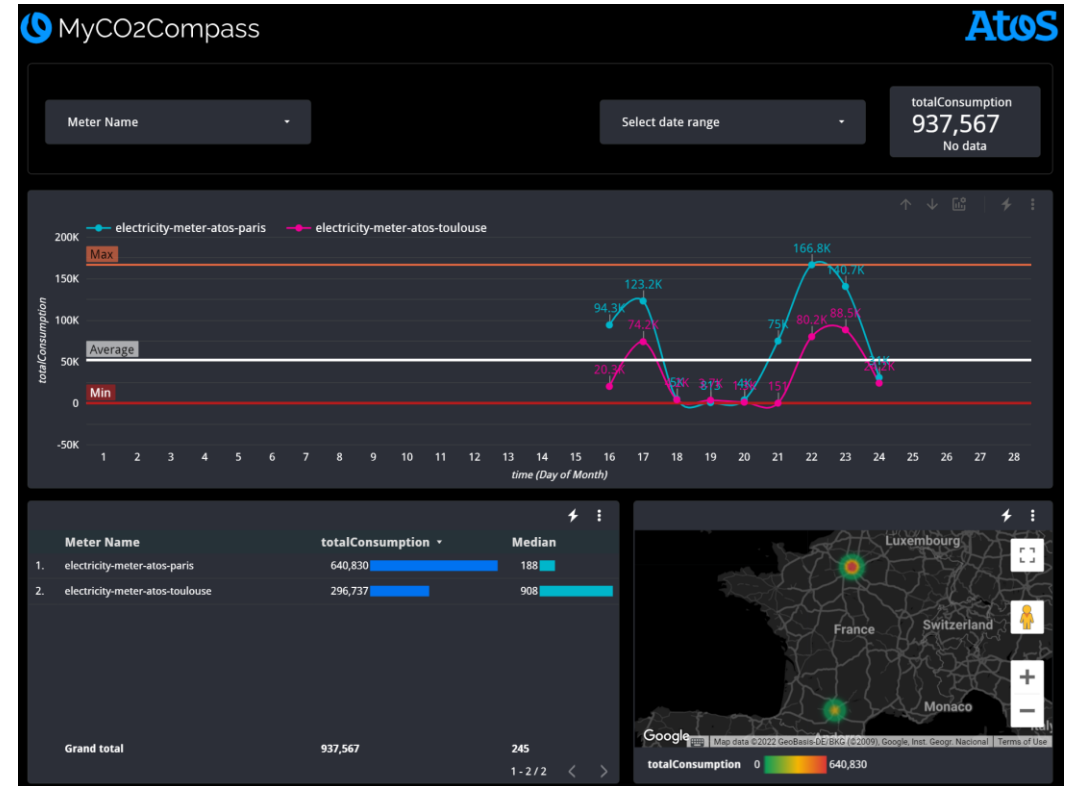
Cooperation between NZT and Digital Work Place enabled us to monitor real live power usage on the customer laptop estate



## Urban Data Platform Connection



This is a real time use case connecting the Atos Urban Data Platform to integrate IoT electricity meter reading into MyCO2Compass



## CISCO Meraki Integration



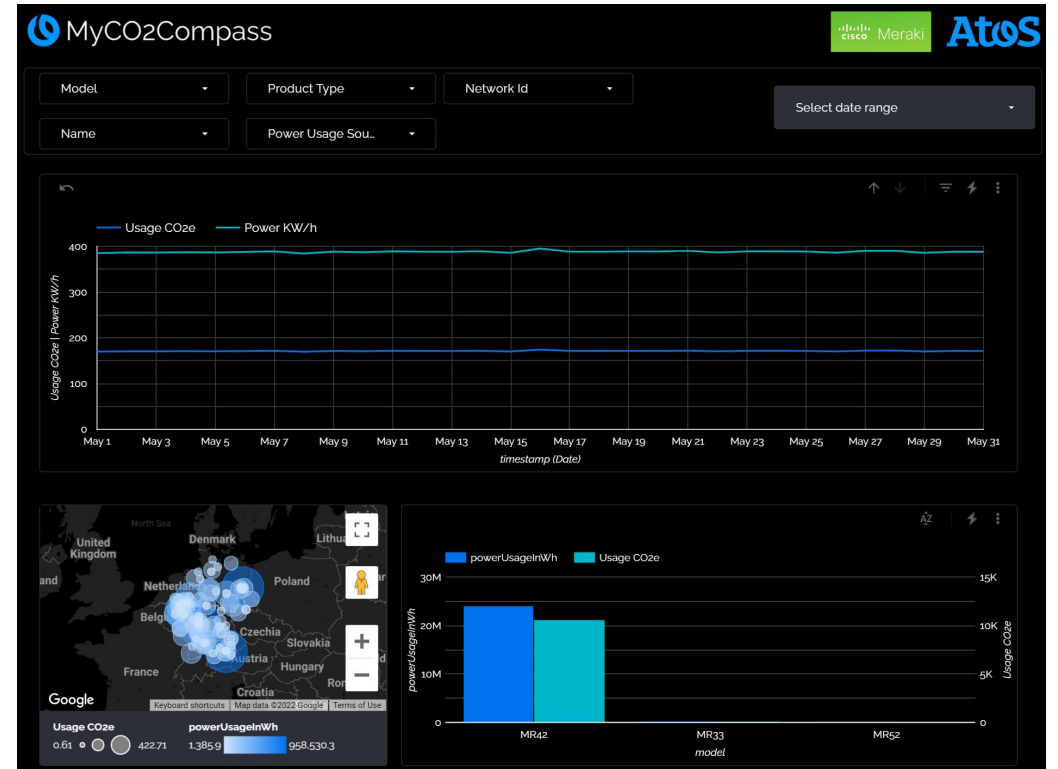
In 2022 Cisco issued a Sustainability Challenge to the industry to encourage the development of innovative ideas to help customers on their path to Net Zero



While cooperating with CISCO, Atos TF Networks made the data of an existing CISCO Meraki customer available to base the challenge on real live data allowing NZT Digital Platforms to monitor the power consumption of the network environment. The next step will be to adjust the power consumption based on usage and therefore reduce the carbon footprint.



As part of the Cisco Sustainability Challenge Atos was awarded 2nd price. Continued cooperation with CISCO and the new ATOS should lead to an increase in pipeline



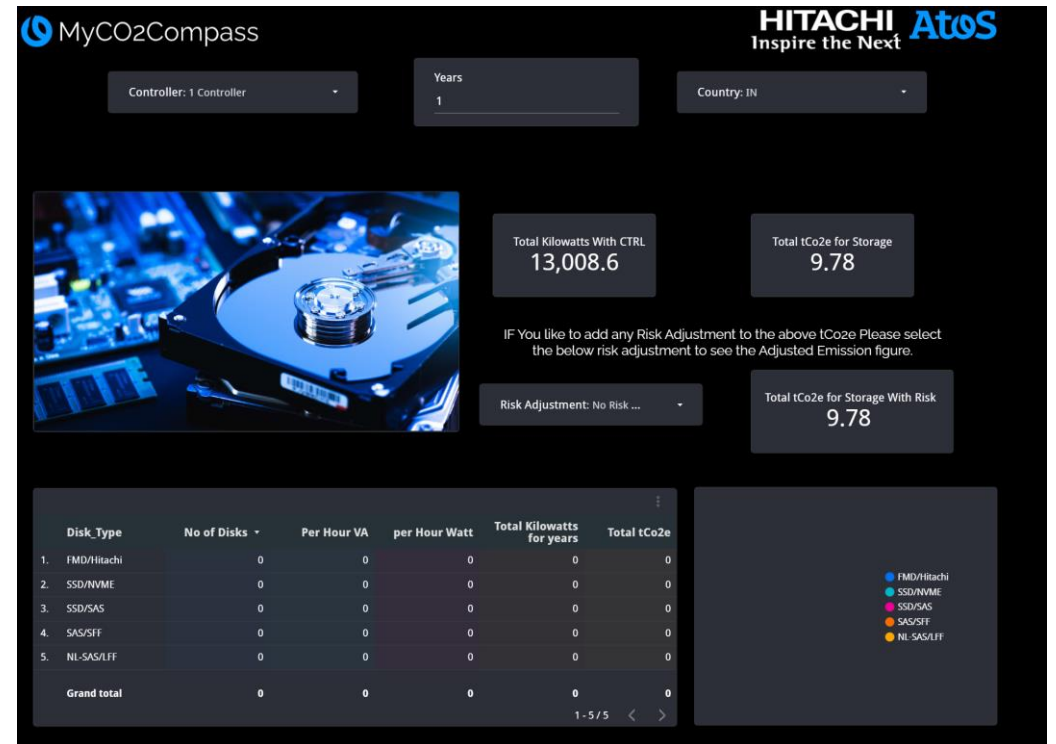
## Hitachi Vantara Storage Calculation



The storage calculator takes a customer's exact storage configuration and calculates the carbon footprint based on the controllers as well as disk quantity and types



This activity has been created as part of the Atos & Hitachi Vantara partnership combining our digital and climate expertise with the specific product know-how of Hitachi Vantara



# Benefits of the MyCO2Compass Platform

## Targeting pain points of data collection and aggregation

- Focuses on people-intensive collection activities
- Does not replacing existing market tools

## Automated carbon emission data collection and aggregation

- Industrialization of carbon emissions data models
- Integration (enterprise + market tools)
- Automated Scope 1 + 2 data ingestion and aggregation

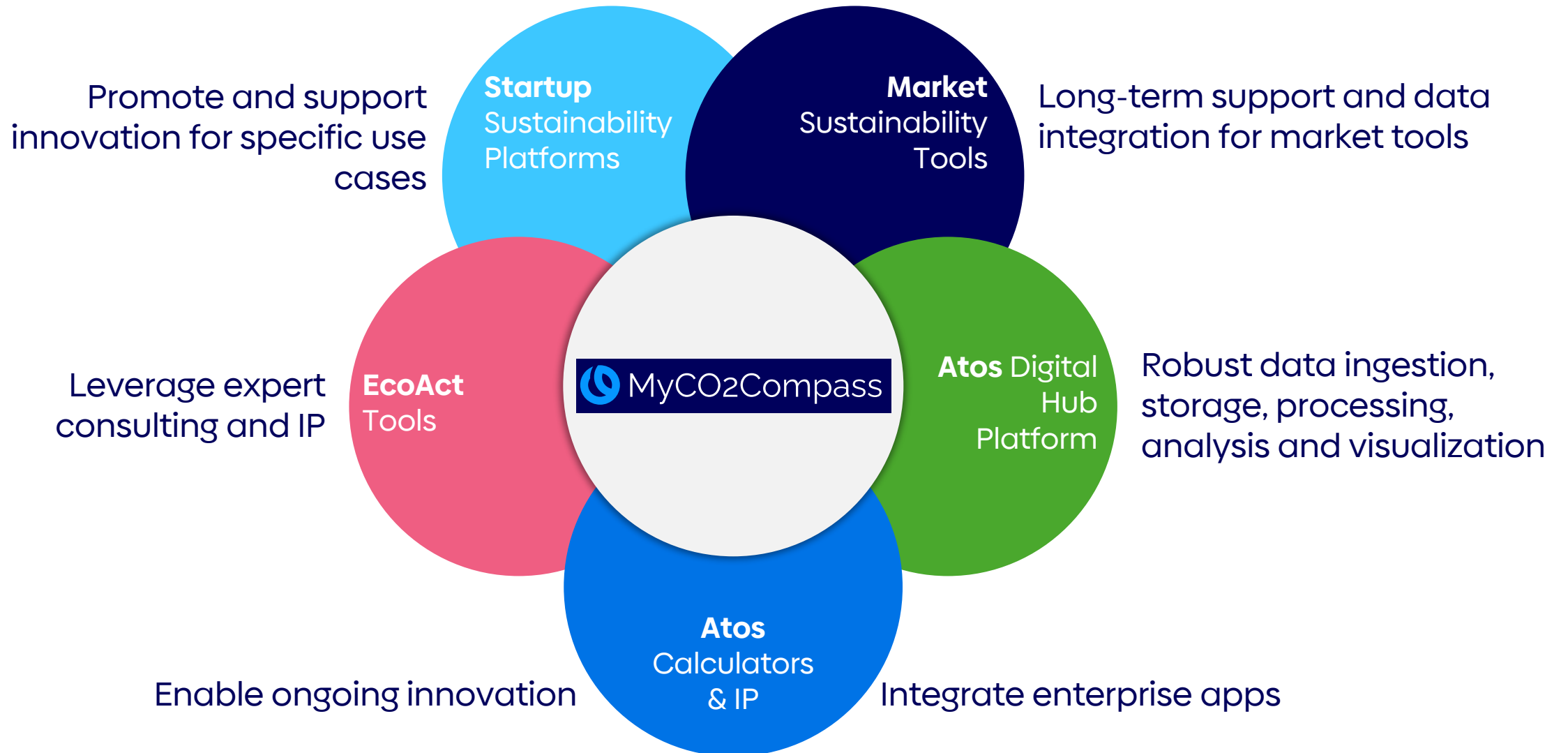
## Improved data insight to achieve net-zero

- Greater understanding of all existing data and faster insight
- Links current data to forecasting for better predictability and decision making

## Enables cost reallocation for higher value net-zero projects

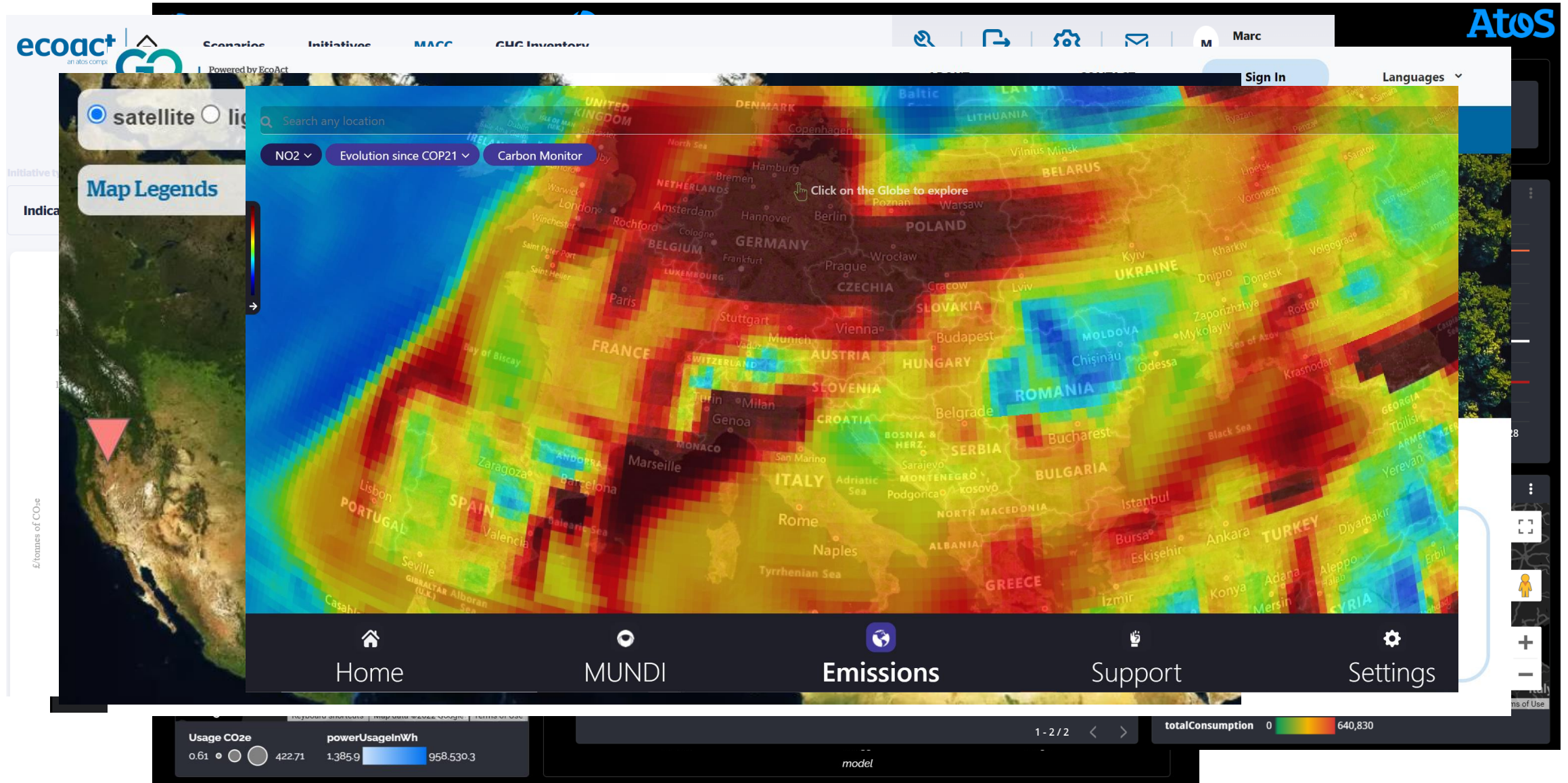
- Cost avoidance, reduced people effort, offsetting spend avoidance
- Releases funds to spend on sequestration and higher value net-zero projects

# MyCO2Compass Platform Strategy





# MyCO2Compass – One Platform/Many Use Cases



# Thank you!

For more information please contact:

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