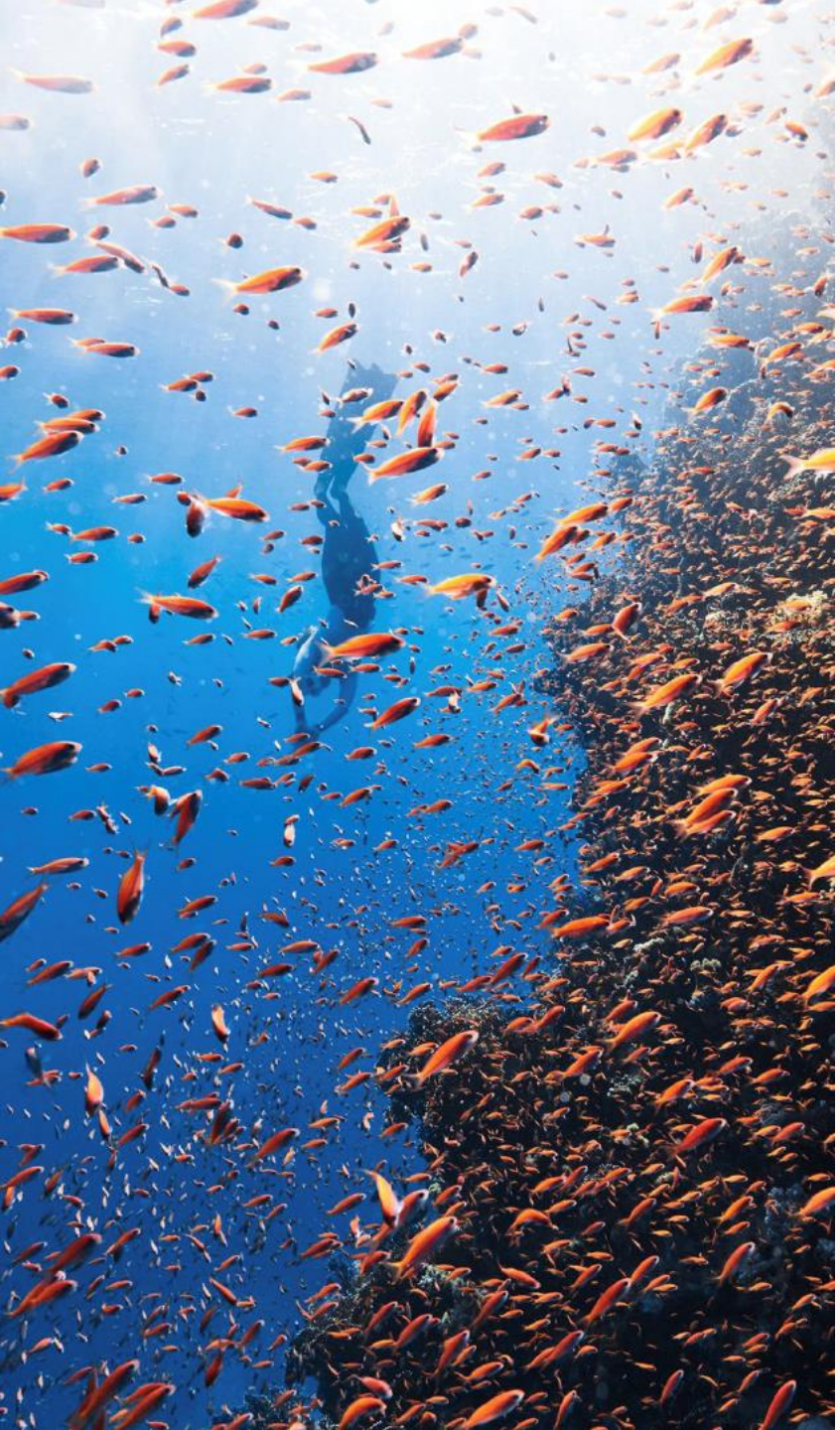
Microsoft

SUS03W

How to pursue water positive and zero waste objectives

Abhinav Premsekhar
Program Manager II,
Microsoft Cloud for Sustainability



Agenda

- Why water sustainability?
- Water sustainability features in MSM
- Demo
- Why waste sustainability?
- Waste sustainability features in MSM
- Circularity material flow metrics in MSM (preview)
- Demo
- Q&A

Water sustainability

Why water sustainability?

Freshwater is a limited resource

<3%

of Earth's water is freshwater and 69% of freshwater is in icecaps & glaciers.

30% of freshwater is underground and only 1% is "easily accessible" surface water.

Increasing demand for freshwater

55%

increase in global water demand projected by 2050.

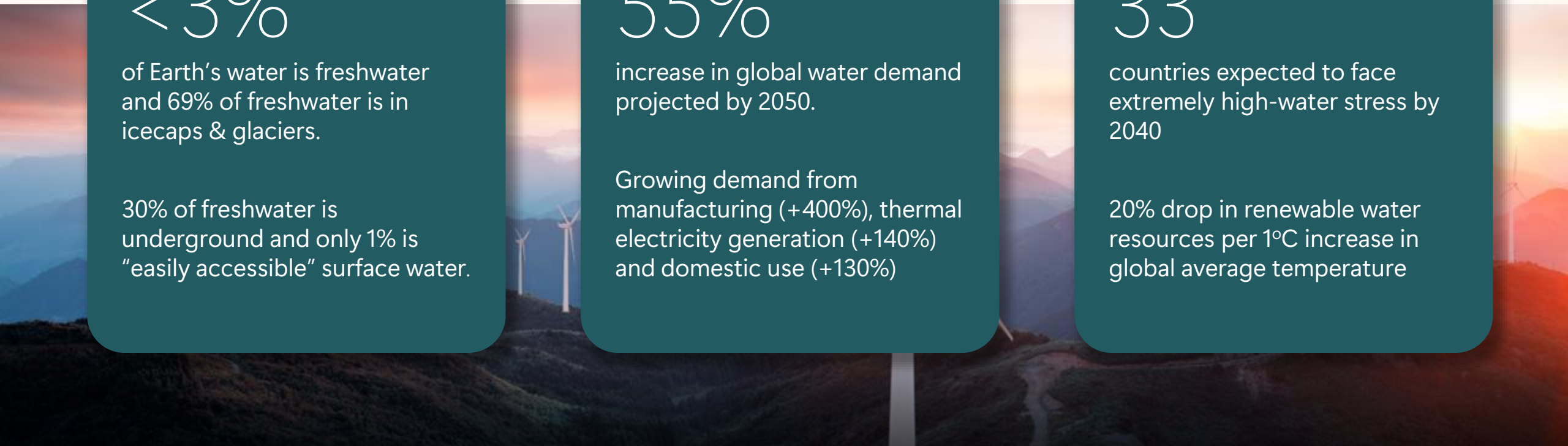
Growing demand from manufacturing (+400%), thermal electricity generation (+140%) and domestic use (+130%)

Growing water stressed regions

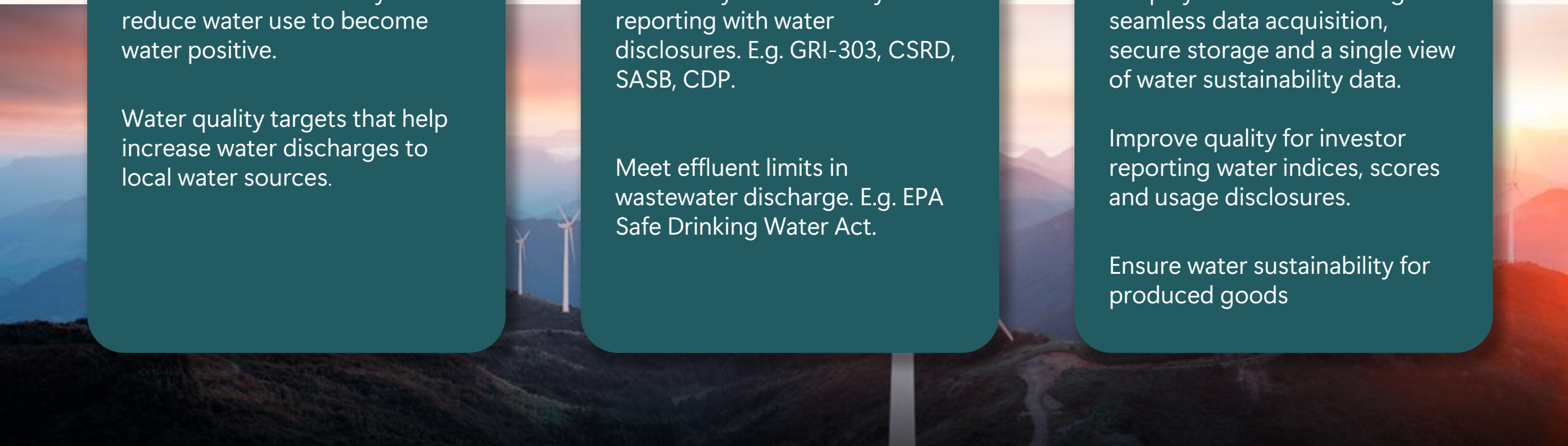
33

countries expected to face extremely high-water stress by 2040

20% drop in renewable water resources per 1°C increase in global average temperature



Why water sustainability?



Achieve water sustainability goals

Increase water efficiency and reduce water use to become water positive.

Water quality targets that help increase water discharges to local water sources.

Be compliant with regulatory requirements

Mandatory and voluntary ESG reporting with water disclosures. E.g. GRI-303, CSRD, SASB, CDP.

Meet effluent limits in wastewater discharge. E.g. EPA Safe Drinking Water Act.

Meet your customers' sustainability expectations

Simplify audit needs through seamless data acquisition, secure storage and a single view of water sustainability data.

Improve quality for investor reporting water indices, scores and usage disclosures.

Ensure water sustainability for produced goods

Value proposition of MSM (water)

Build a single source of truth for water sustainability data

Centralize water data from facilities through multi-source data acquisition and purpose-built water sustainability data model.

Provide a single view of water sustainability data through visualizations and organizational reports.

Enable holistic management of water sustainability

Monitor, manage and report water accounting in facilities and organizations.

Manage water sustainability goals for increased water efficiency and achieving positive water impact.

Comply with regulatory standards

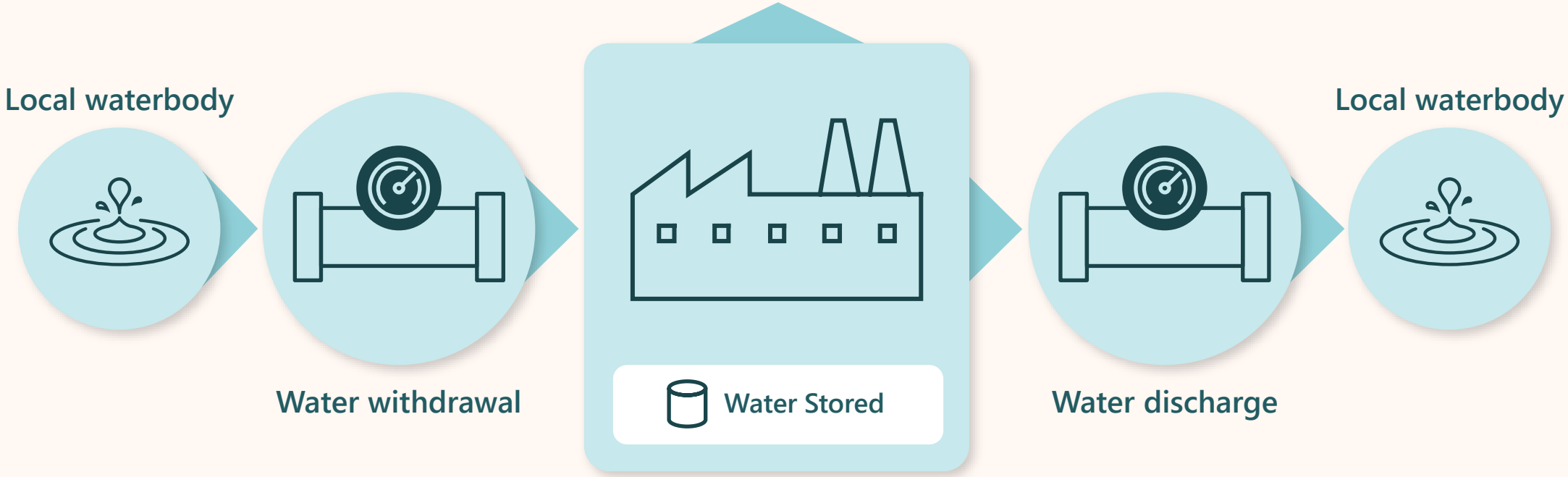
Configure, monitor and report facility wastewater discharges per regional regulations. E.g. EPA NPDES, EU wastewater discharge standards.

Mandatory and voluntary ESG reporting with water disclosures. E.g. GRI-303, SASB, CDP.

Site-specific water accounting

Site-based water flows

Water consumption = Water withdrawn – Water discharged



Site

For example, a factory, building, farm, processing unit, etc.

Key water sustainability scenarios in MSM

Sustainable water accounting at sites and the org | Good water quality at individual sites

- Configure and link site boundaries and water sources with measurement data
- Visualize, analyse, and report water inflows, storage, and outflows at a site level tagged with water risk
- Manage water sustainability goals and water intensity KPI
- Track wastewater effluent measurement and testing data
- Visualize and report wastewater effluent compliance with regional discharge regulations

Water sustainability metrics in MSM

	Water sustainability metric	GRI-303	SASB	CDP
1	Total water consumption	✓	✓	✓
2	Total water consumption in high water-stress regions	✓	✓	✓
3	Total water withdrawal	✓	✓	✓
4	Total water withdrawal in high water-stress regions	✓	✓	✓
5	Total water discharge	✓	✓	✓
6	Total water discharge in high water-stress regions	✓	✓	✓
7	Total water recycled	✓		✓
8	Total water recycled in high water-stress regions	✓		
9	Total water stored	✓		
10	Total water stored in high water-stress regions	✓		
11	Total changes in stored water	✓		

Demo

Recent
Pinned
Home
Home
Analytics
Executive dashbo...
Emissions insights
Water insights
Waste insights
Reporting
Scorecards & goals
Intelligent insight...
What-if analysis (...
Document analysi...
Data
Imports
Carbon activities
All emissions
Water data
Waste data
Reference data
Data capture (pre...
Data approval
Custom dimensions
Data providers
Calculations
Value chain
Settings

Record. Report. Reduce.

Take action and meet environmental goals by monitoring and managing your organization's impact.

Explore new product features

Take action

- Set and track sustainability goals
- Import and manage your data
- Create and run calculations

Boost your efficiency with help from our product managers

See all

Shaping the future

Setting and managing goals and scorecards

Watch video

Importing data efficiently

Collecting and transforming data

Watch video

Demystifying carbon accounting

Calculating your organization's emissions impact

Watch video

Cover the basics

Configuration guide

These step-by-step instructions will help you get set up and ready to go

Open the guide

Product tours

A few short tours can quickly introduce you to Sustainability Manager

Take a tour

Help articles

This collection of support articles will help answer many questions

Read articles

Additional resources

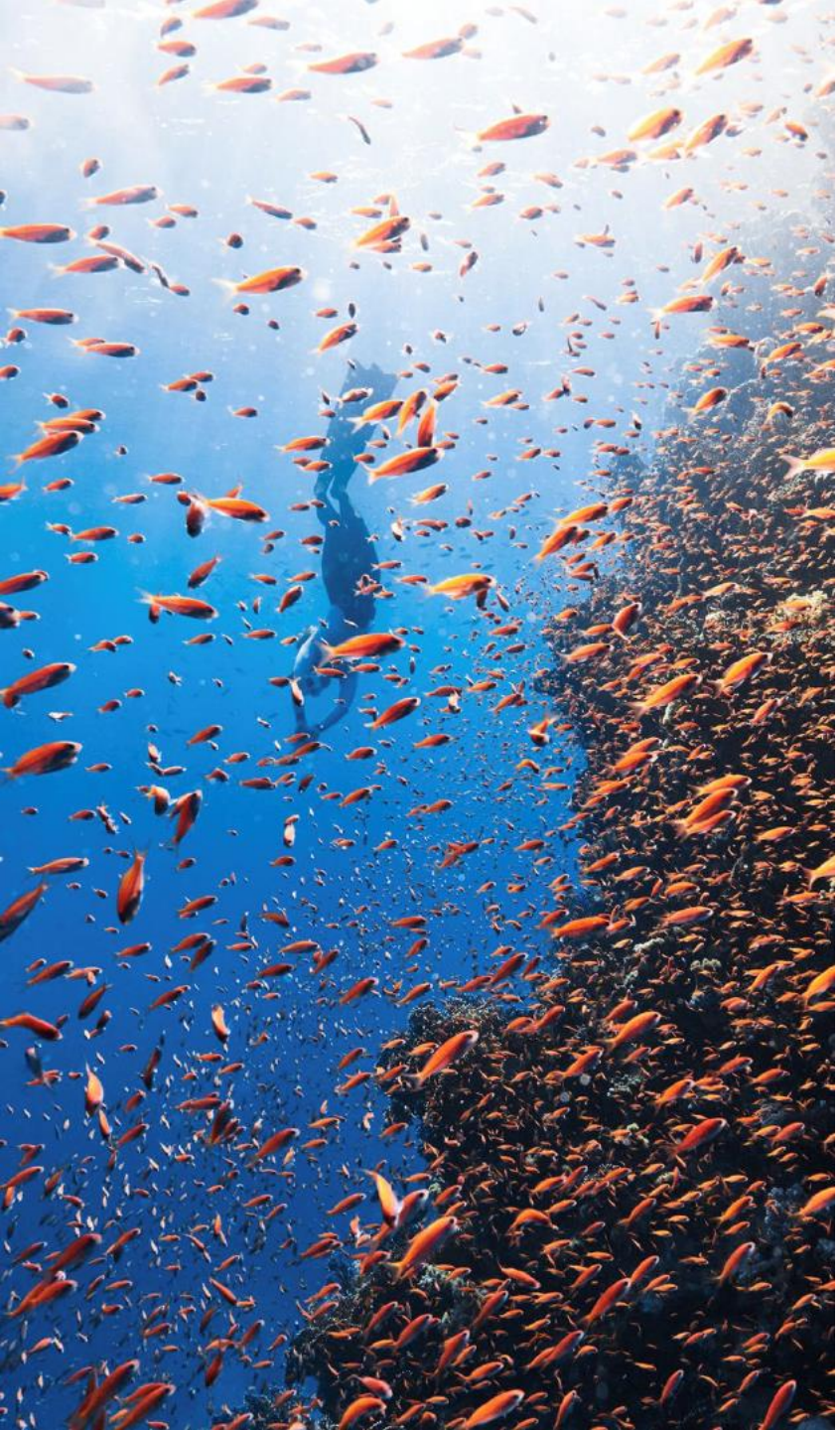
Microsoft Emissions Impact Dashboard
Identify your organization's scope 3 emissions from Azure / M365 usage

Customer support

Legal
Review legal terms and privacy notice

Tell us what you think
Share your feedback on Sustainability Manager

Waste sustainability

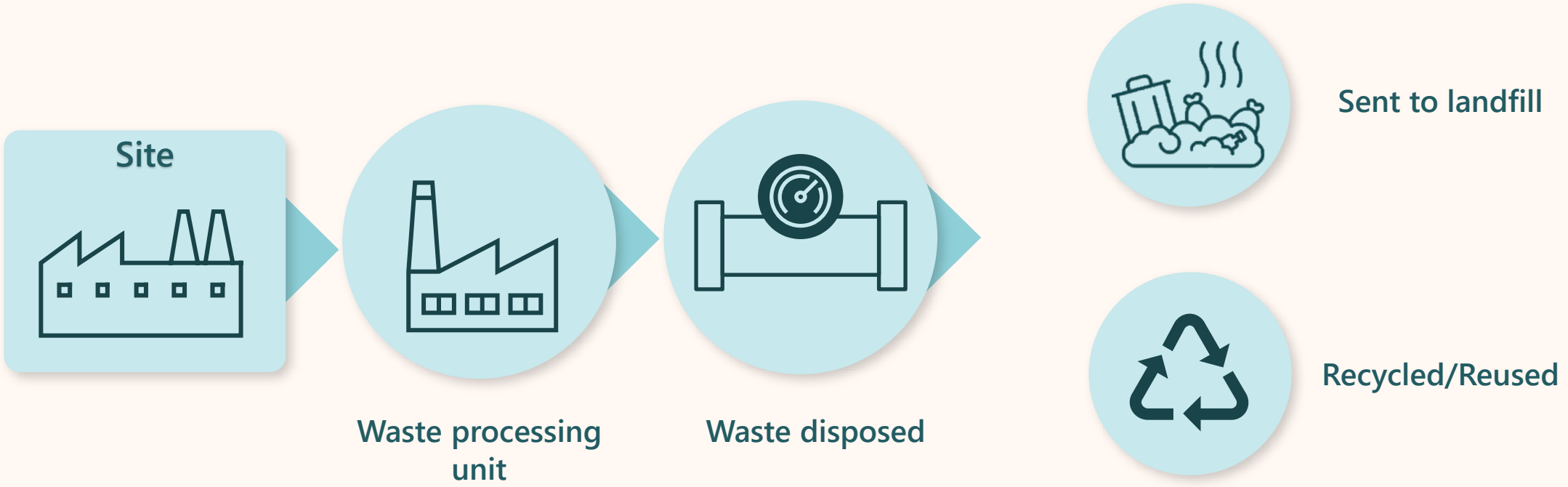


Why waste sustainability?

- Report Waste quantity for facilities and org-wide to meet regulatory disclosures such as GRI, SASB, EU Waste Directive
- Monitor performance against net zero-waste goals
- Track waste generation, processing, reduction and diversion rates across facilities and at an org-level
- Report on waste contaminants and chemicals data for facilities and across org based on EPA's Solid waste regulations covered as a part of the RCRA (Resource Conservation and Recovery Act)

Site-specific waste management

Waste generated = Waste disposed + Waste recovered



Site

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Key waste sustainability scenarios in MSM

Sustainable water management at sites and the org | Safe waste disposal at individual sites

- Configure and link site boundaries and waste quantities with measurement data
- Visualize, analyse, and report waste generation, recovery and disposed quantities by category and disposal method
- Manage waste sustainability goals and waste intensity KPI
- Track waste quality measurement and testing data
- Visualize and report the characteristics of waste disposed to maintain compliance with regional disposal regulations

Waste sustainability metrics in MSM

	Waste sustainability metric	GRI-306	SASB
1	Total amount of waste generated (metrics tons)	✓	✓
2	Amt. by weight diverted from disposal by recovery operation type	✓	✓
3	Amt. by weight averted to disposal by recovery operation type	✓	✓
4	Amt. and percentage of non-recycled waste	✓	✓
5	Amt. of hazardous waste and radioactive waste	✓	✓
6	Targets for reuse and diversion rates	✓	✓

Circularity material flow metrics in MSM (preview)

Material Inflow Metrics	GRI 301
Total weight or volume of materials used to produce and package products	✓
Total weight of renewable materials used to produce and package products	✓
Percentage of the total weight of products that is renewable	✓
Total weight of non-renewable materials used to produce and package products	✓
Total weight of reused materials used to produce and package products	✓
Percentage of the total weight of products that is reused	✓
Total weight of recycled materials used to produce and package products	✓
Percentage of the total weight of products that is recycled	✓

Material Outflow Metrics	GRI 301
Total weight of finished products including packaging	✓
Total weight of produced materials that follow listed circular design principles	✓
Percentage of the total weight of produced goods that follow circular design principle	✓

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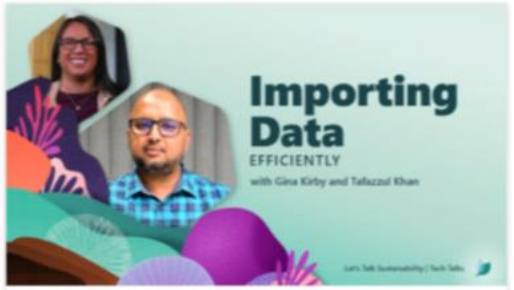

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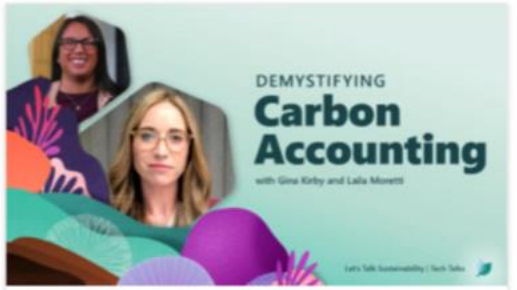

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Q&A

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