Microsoft

Miten teknologia voi tukea kestävän kehityksen hankinnoissa?

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Asiakkuusjohtaja
Joulukuu 2021

A planet-sized challenge

Decades of action

Our history 2009-2019

2009 — First carbon emission reduction goal

2012 — 100% carbon neutral; Internal carbon fee instituted

2016 — Zero-waste campus certification

2017 — AI for Earth launch; LEED Gold certification for new datacenters

2018 — Supplier carbon engagement in China launched; Net zero potable water; Silicon Valley campus groundbreaking

2019 — Carbon fee raised to $15; Water replenishment goal set

Our commitments 2020-2050

2025 — Operate with 100% renewable energy

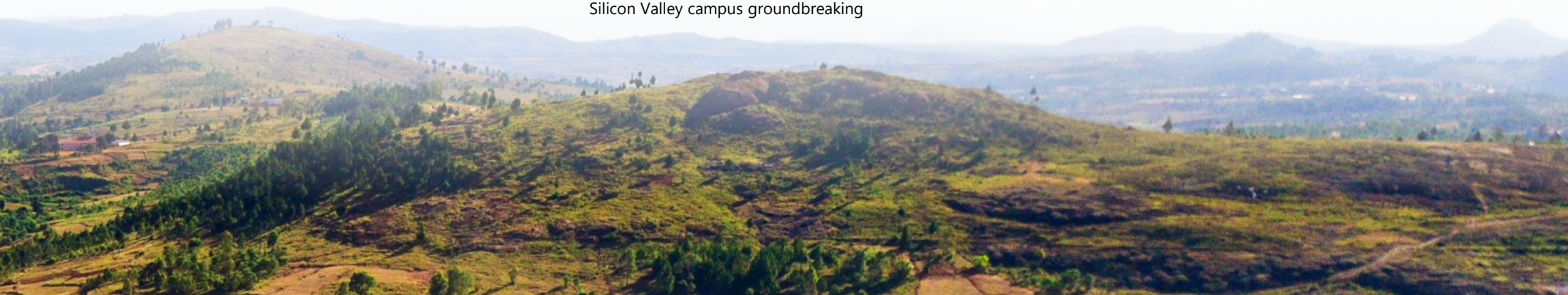
2025 — Protect more land than Microsoft uses

2030 — Become carbon negative

2030 — Become zero waste

2030 — Become water positive

2050 — Remove all historic emissions



Zero waste commitments

Reuse and repurpose **devices in Microsoft Circular Centers**

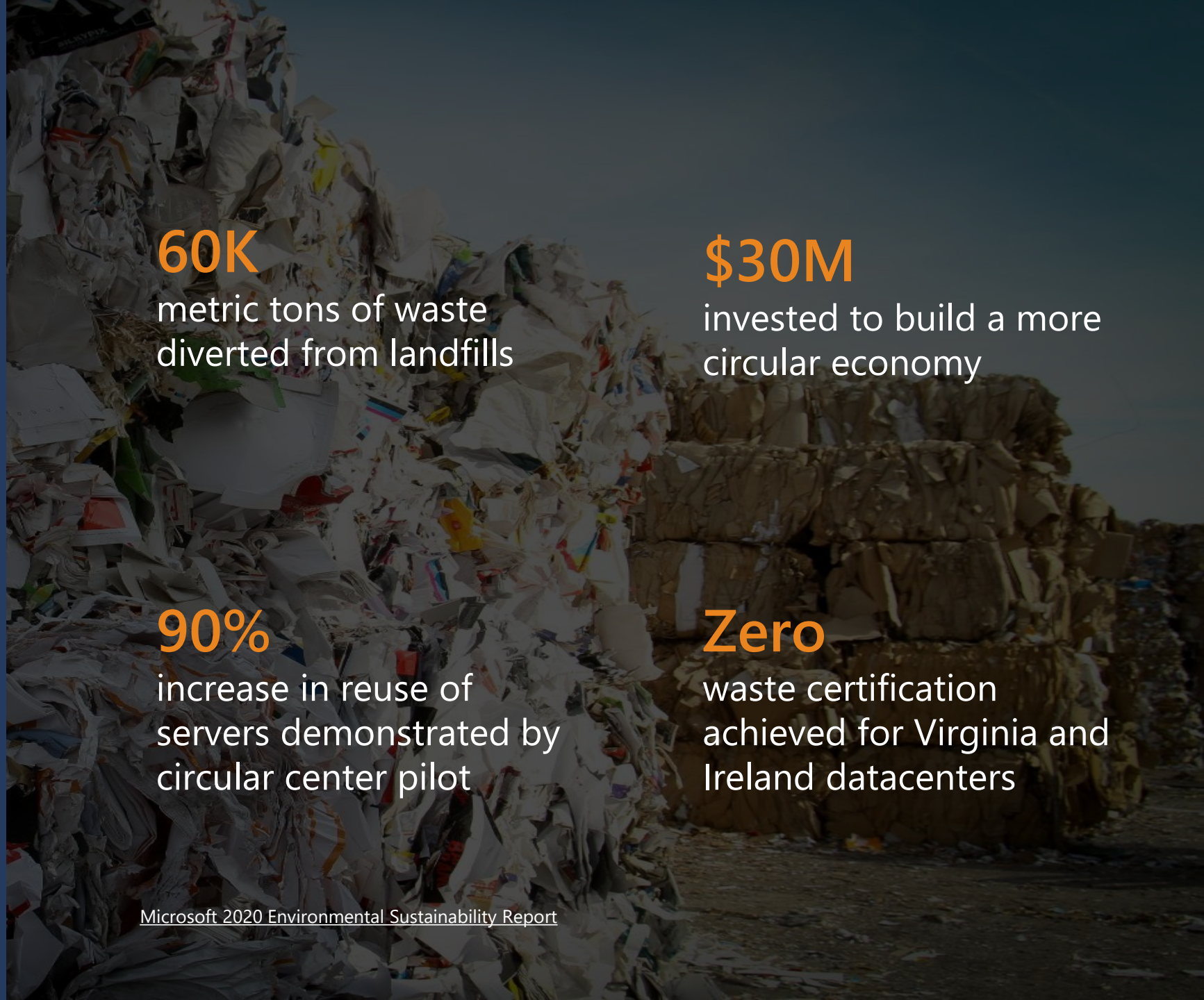
Eliminate **single-use plastics**

Divert **waste**

Transform **waste accounting**

Engage **our employees**

Getting to zero waste



60K
metric tons of waste diverted from landfills

$30M
invested to build a more circular economy

90%
increase in reuse of servers demonstrated by circular center pilot

Zero
waste certification achieved for Virginia and Ireland datacenters

Microsoft 2020 Environmental Sustainability Report

Carbon tax fuels innovation and drives the right behavior

Levied an **internal carbon tax** across our businesses (since 2012)

Used funds generated from the tax to **invest in reducing carbon emissions**

Increased tax in 2019 to **$15 per metric ton**

Expanding tax to cover more scenarios

Innovation funded by carbon tax includes:

- **Carbon reduction**
- **Carbon removal**
- **Water, waste, climate resilience and AI for Earth programs**

Decarbonizing our supply chain requires increased transparency

Microsoft suppliers are required to report **scope 1, 2, and 3 greenhouse gas emissions**

We're providing support for **recording and reporting their impact, increasing efficiencies, and switching to renewable energy sources**

Top suppliers reduced their collective footprint by **21 million metric tons** of carbon dioxide equivalents

Our **Supplier Code of Conduct** was updated to require emissions disclosures, now part of procurement processes

To help accelerate next gen value chains, we've joined the **1.5C Supply Chain Leaders initiative**

Migrating to the Microsoft cloud reduced our carbon footprint

Microsoft moved over 2000 applications from **on-premises to the cloud**

Moving on-premises datacenter operations to the Microsoft cloud **can reduce your carbon footprint up to**

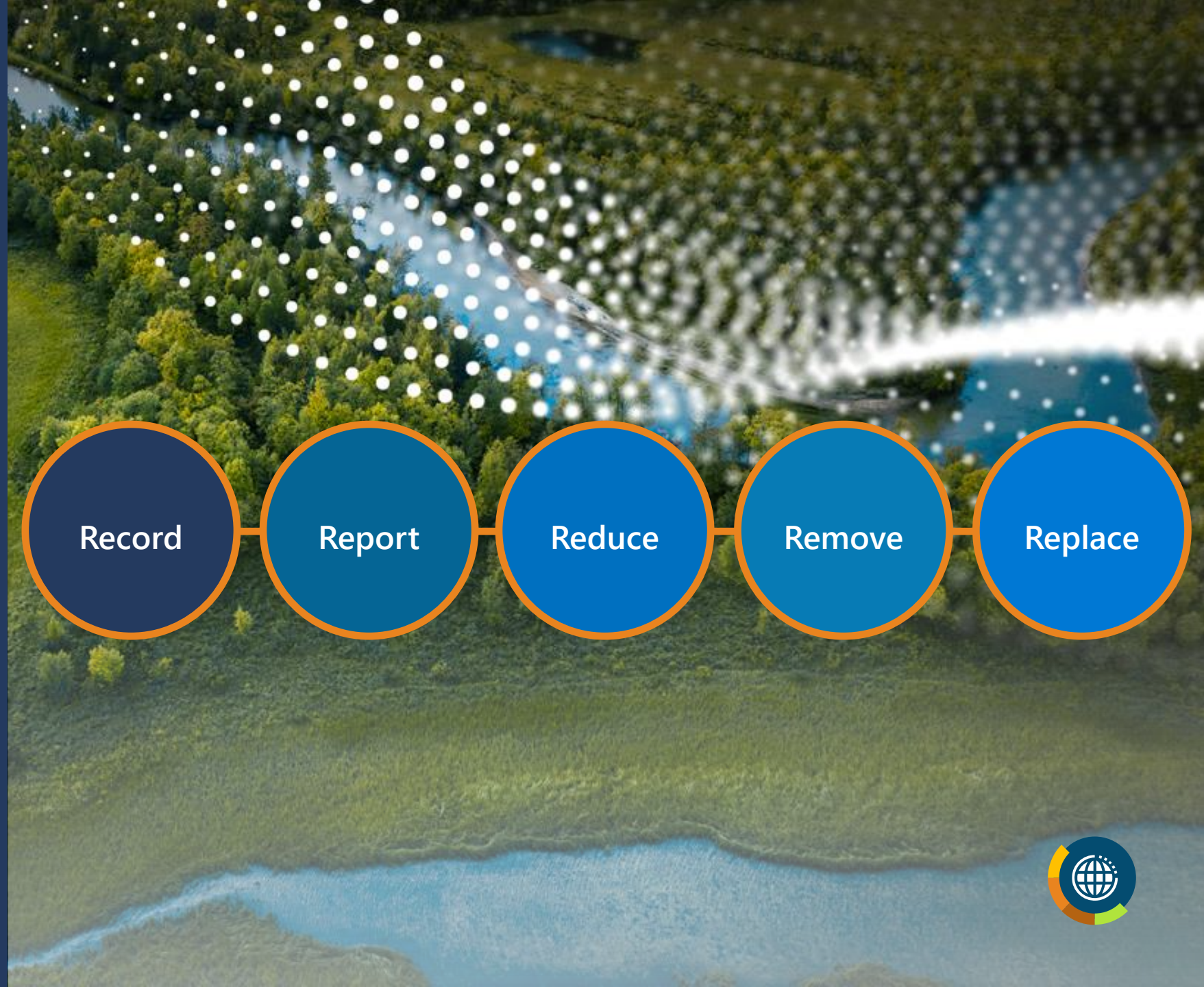
98% *

*Carbon footprint reductions will vary depending on your specific server usage, renewable energy purchases you make, and other factors. For details, please refer to **The carbon benefits of cloud computing** paper, updated in 2020.

Microsoft Cloud for Sustainability

Delivering insights to help you accelerate every stage of your organization's sustainability journey

- **Comprehensive**
- **Integrated**
- **Automated**



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