### Enterprise IT contributes significantly to the world's carbon footprint



**89%** of organizations recycle less than 10% of their IT hardware.



In 2019, **53.6** million tons of e-waste were generated worldwide – an increase of 21% in five years.1



Data centers accounted for nearly

1% of the world's energy demand in 2019.2

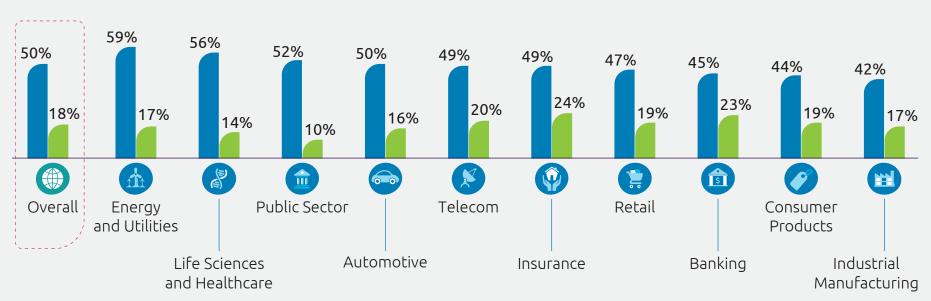
- 1. United Nations institute for Training and Research, "GLOBAL E-WASTE SURGING: UP 21 PERCENT IN 5 YEARS," July 2, 2020. 2. IEA, "Global trends in internet traffic, data centre workloads and data centre energy use, 2010–2019," June 2020.

Despite significant growth in the carbon footprint of IT, sustainable IT is not a priority for most organizations



Globally, only 43% of executives say they are aware of their organization's IT footprint.

50% of firms say they have an enterprise-wide sustainability strategy, but only 18% have a comprehensive sustainable IT strategy with well-defined goals and target timelines.



- Sustainability strategy covering the entire organization ■ Sustainable IT strategy with well-defined goals and target timelines
- Source: Capgemini Research Institute, Sustainable IT survey, December 2020–January 2021, N=1,000 organizations.

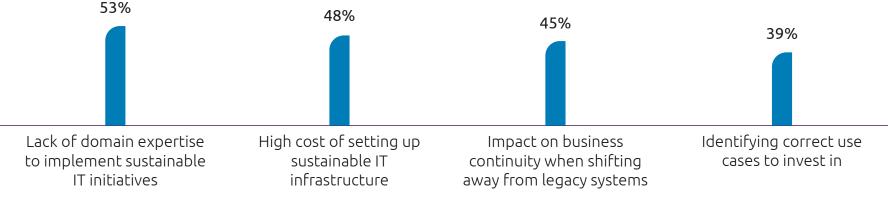
### Adoption and deployment of solutions is undermined by a lack of tools and expertise



49% say a major challenge, when it comes to implementing sustainable IT initiatives, is the lack of tools or standards/ratings to evaluate the carbon footprint of IT.

### the required expertise for sustainable IT implementation.

Implementation challenges are a major roadblock with 53% saying they do not have



Source: Capgemini Research Institute, Sustainable IT survey, December 2020–January 2021, N=1,000 organizations.

## High maturity organizations deliver significant benefits



our survey can be classified as highly mature when it comes to sustainable IT



companies have improved their ESG (environmental, social and governance) score and brand image



sustainable IT prize Roadmap for sustainable IT implementation

A three-stage roadmap is key to driving progress and seizing the



### • Baseline and benchmark the

environmental footprint of

- Create a sustainable IT strategy aligned to global
- sustainability strategy Define key performance

enterprise IT

- indicators, targets, frameworks and set carbon
- cost to IT operations • Create a transformation

roadmap for sustainable IT

# Governance Plan: Create effective governance for

### sustainable IT initiatives • Ensure all stakeholders are committed to implementing

- sustainable IT initiatives Align services, business models, and go-to-market
- strategy with sustainable IT Create dedicated sustainable
- IT team



### • Ensure sustainability in

• Identify environmental impact of AI during design and training Make environmental impact a

software architecture

- criterion to select IT vendors
- Develop sustainability culture among employees and teams • Select and scale the right

sustainable IT use cases

Source: Capgemini Research Institute analysis.

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