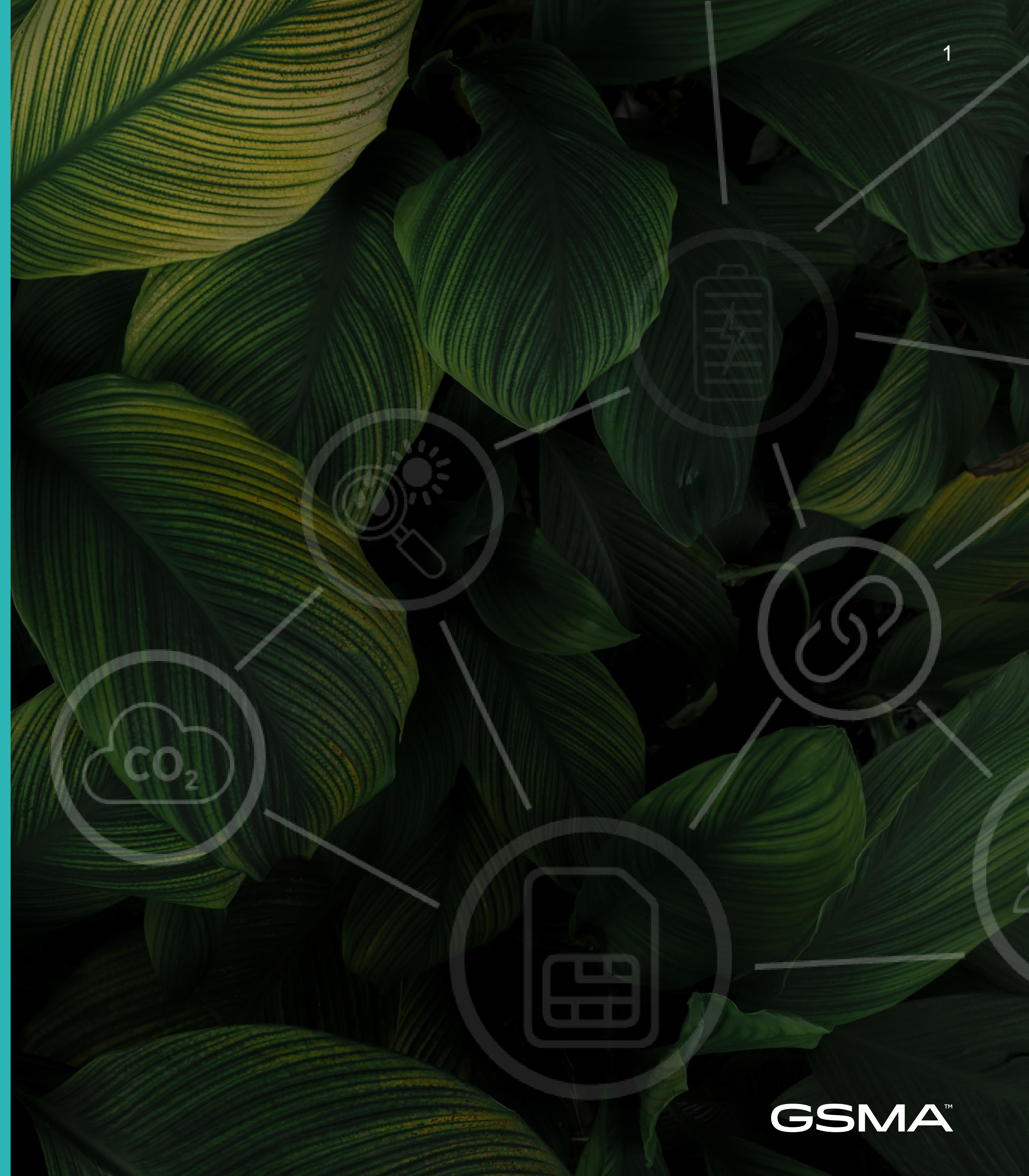


Progress towards net zero in the global mobile industry

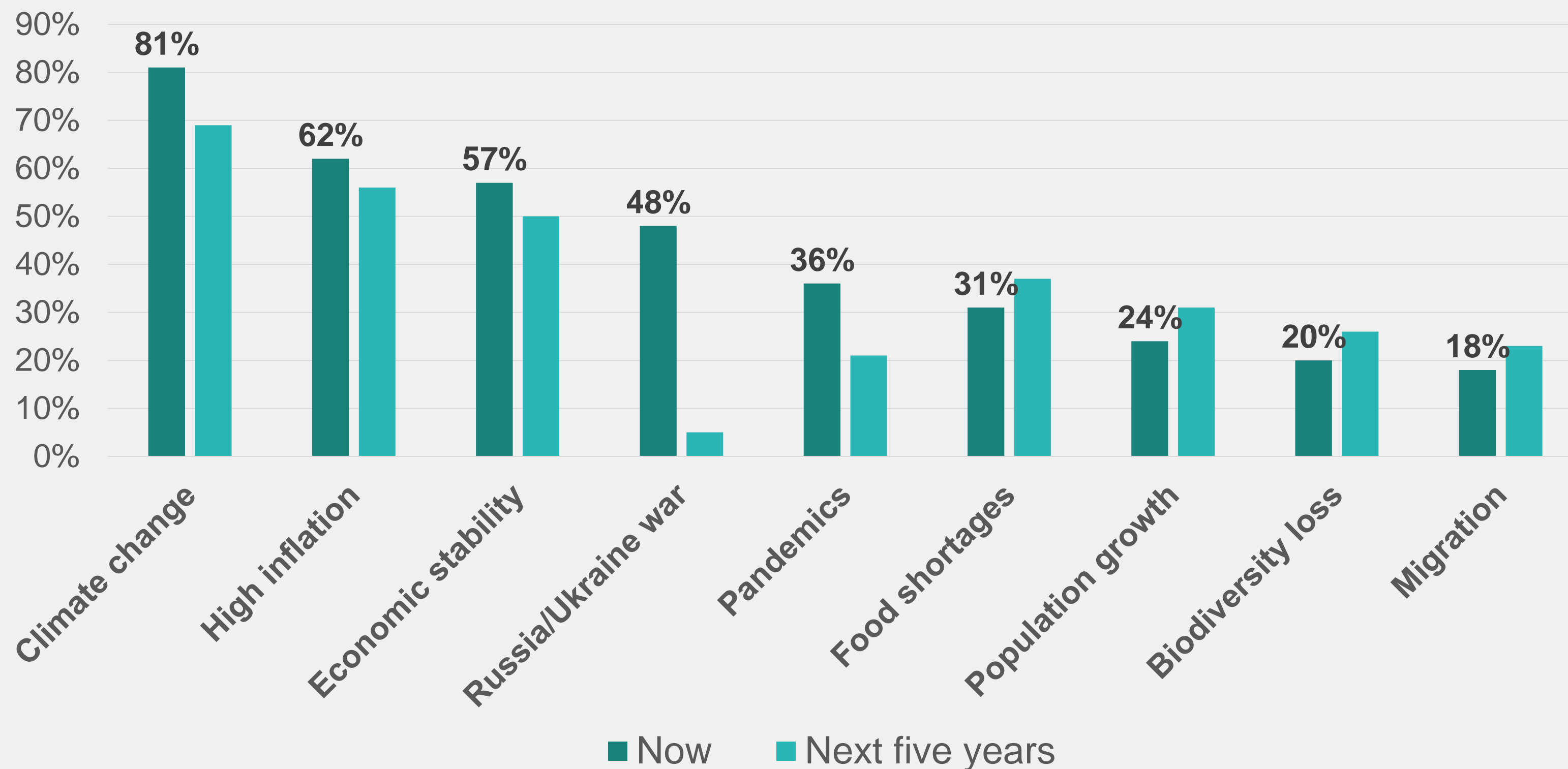
Alix Jagueneau, GSMA
April 2023







Consumer and Business Attitudes to Sustainability

Research conducted by GSMA Intelligence

Which of the following global challenges do you feel is **MOST** pressing for action?



Climate Action Taskforce

-  Leadership
-  Advocacy
-  Best Practice
-  Research

 Nine new members have joined in the last year

 62 members in total

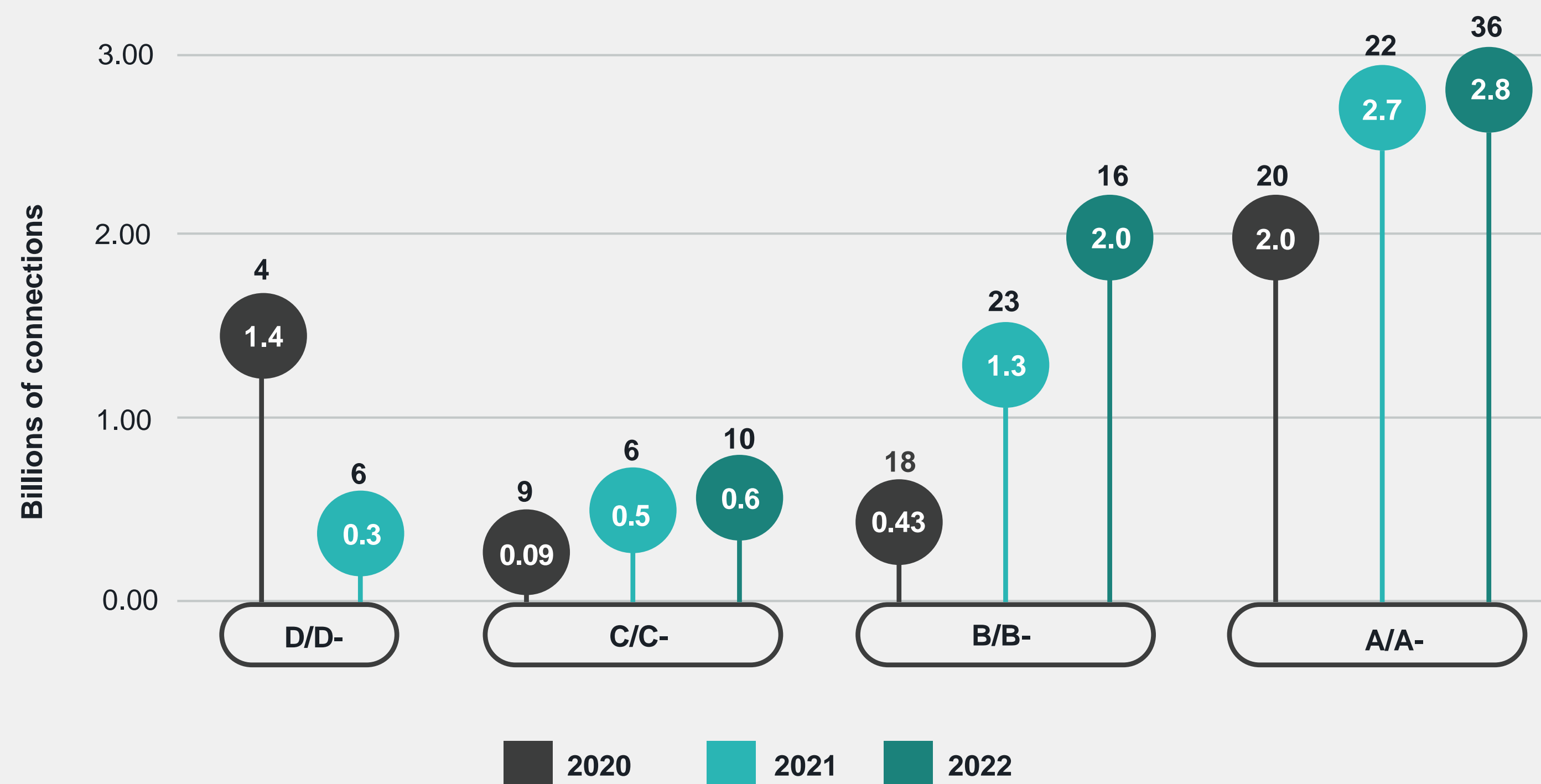


Climate Disclosures

Record number of disclosures and increased scores

In 2023, 67 operators disclosed to the CDP:

- › **66%** of global mobile connections
- › **79%** of global revenue



ESG Metrics for Mobile

ESG has become increasingly important for investment and decision-making

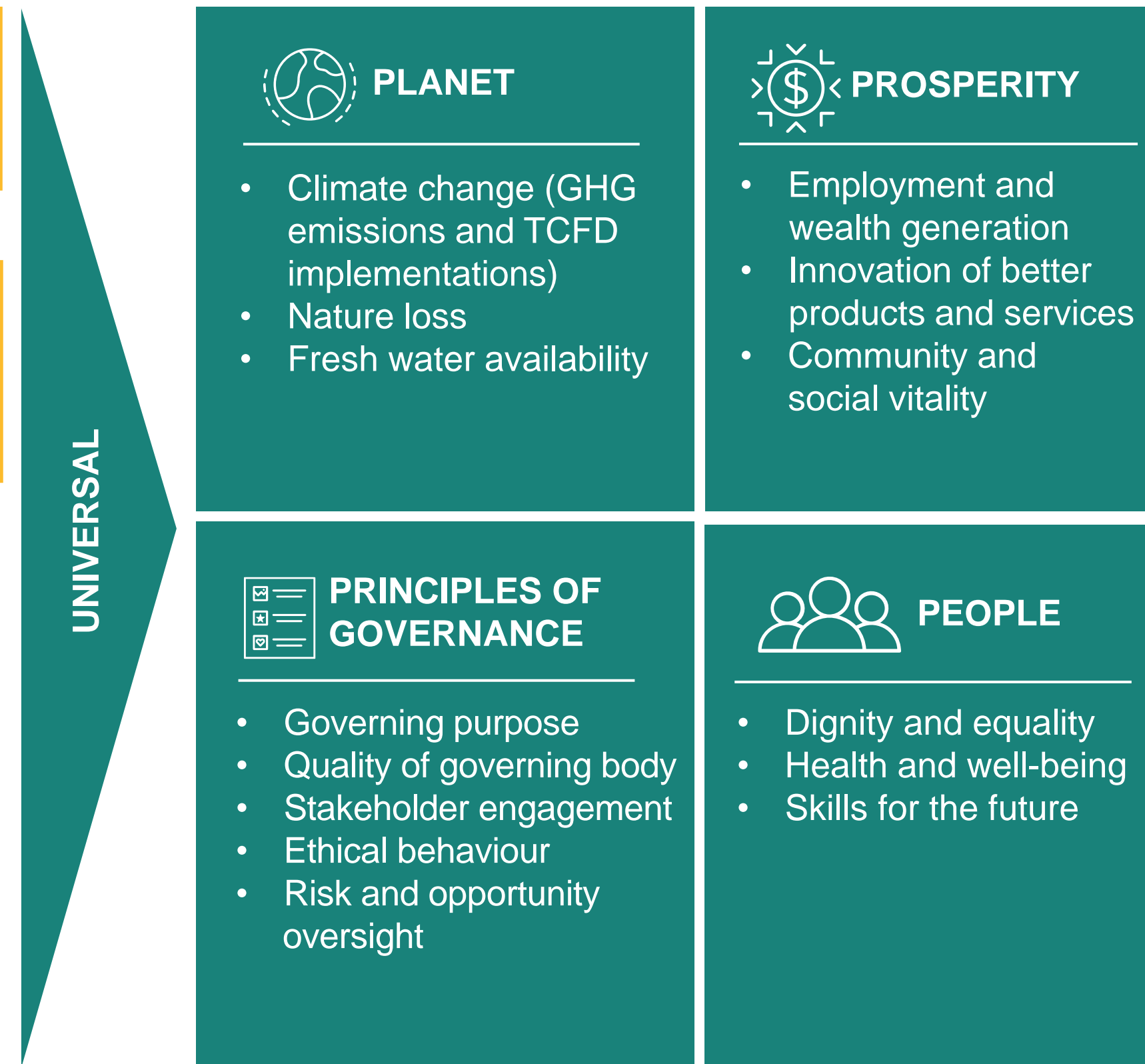
Mobile industry KPIs

INDUSTRY-SPECIFIC

ENVIRONMENT	DIGITAL INCLUSION	DIGITAL INTEGRITY	SUPPLY CHAIN
Emissions	Network coverage	Data protection	Sustainable supply chain
<ul style="list-style-type: none"> » Science-based targets » Scope 1, 2 and 3 emissions 	<ul style="list-style-type: none"> » Population covered by mobile network 	<ul style="list-style-type: none"> » Customer data incidents 	<ul style="list-style-type: none"> » Sustainable procurement policy » Supplier assessments
Energy	Affordability	Digital rights	
<ul style="list-style-type: none"> » Energy consumption 	<ul style="list-style-type: none"> » Device and subscription affordability 	<ul style="list-style-type: none"> » Digital rights policy 	
Waste reduction	Digital skills	Online safety	
<ul style="list-style-type: none"> » Materials repaired/reused » Waste generated » Materials recycled 	<ul style="list-style-type: none"> » Digital skills programmes 	<ul style="list-style-type: none"> » Online safety measures 	

◇ Yes/no questions
 » KPIs

Stakeholder Capitalism Metric Themes

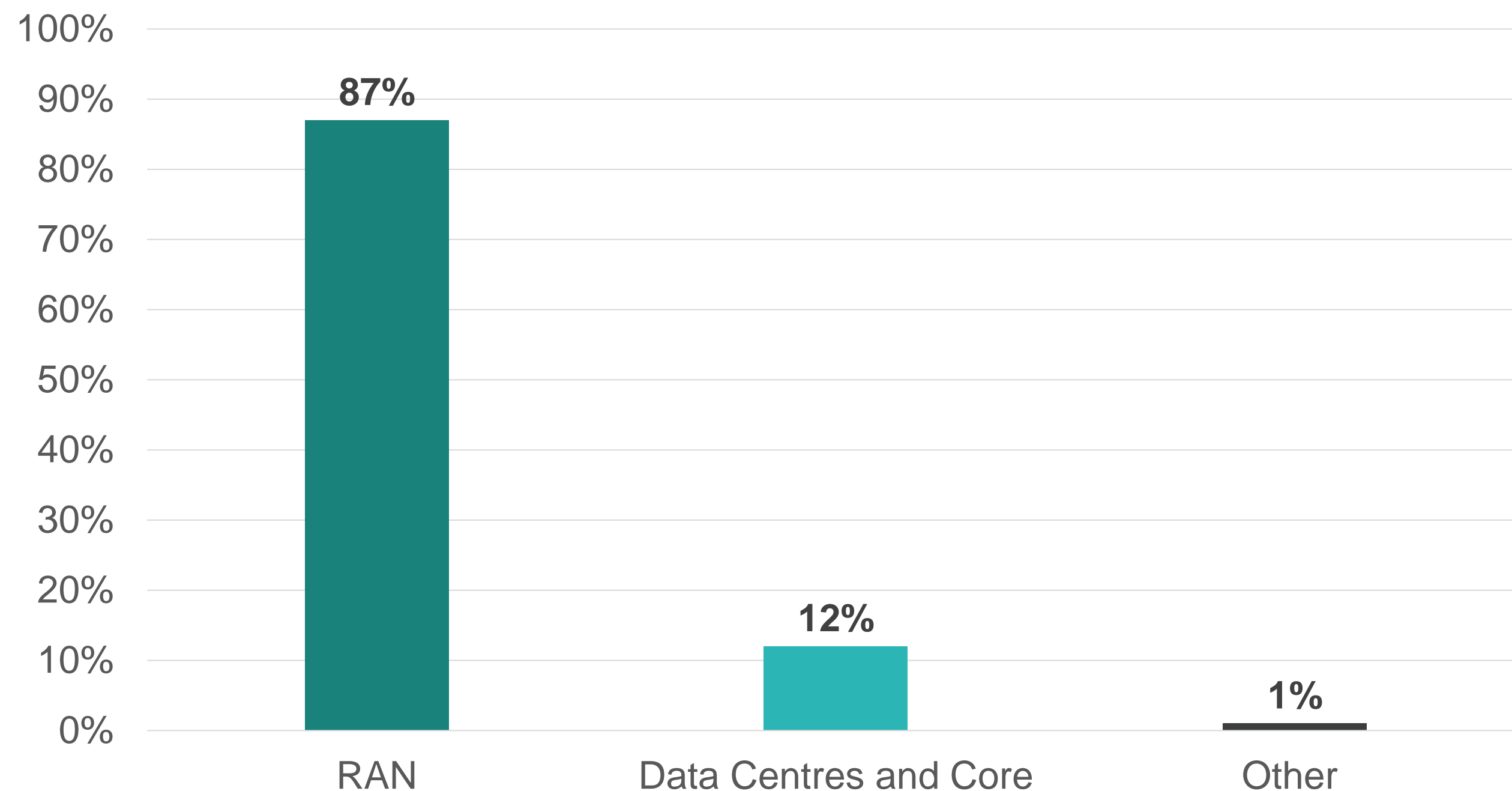


Energy Efficiency

Energy efficiency benchmarking study 2022

› 40 global networks

Average Operator Energy Consumption



Millicom

Case Study



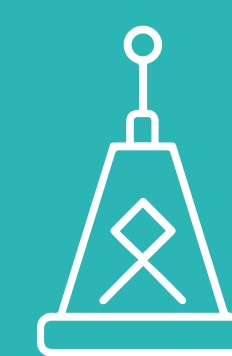
Power saving features

1-10% energy reduction



Turn off legacy channels

10-30% energy reductions



Legacy site decommissioning

CO₂ and OpEx reductions

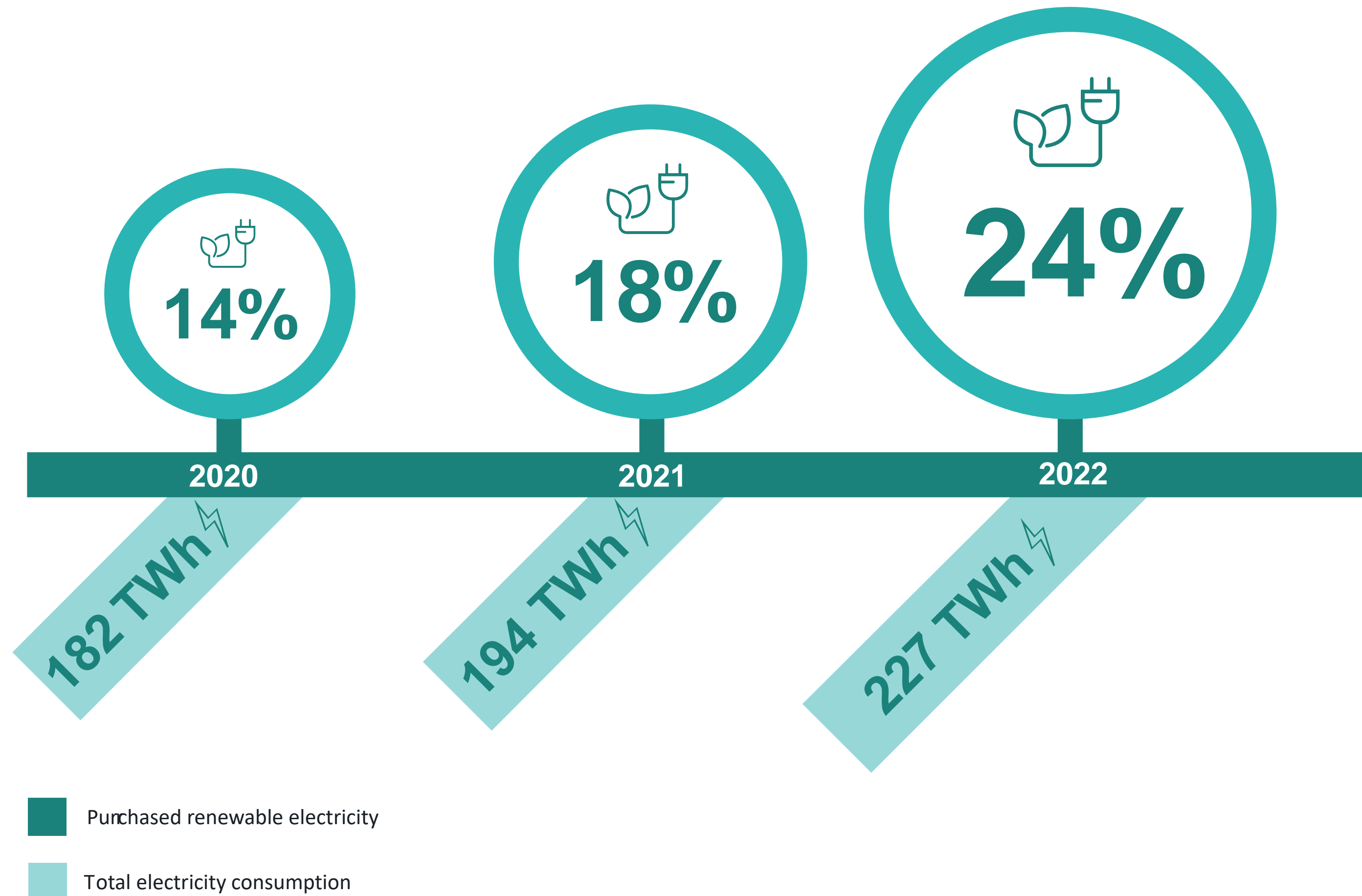


Hardware modernisation

40% less energy consumption

Renewable Energy

Almost a **quarter** of the electricity used by mobile operators is renewable



Verizon Case Study

- › Since 2019, Verizon has signed 24 RE purchase agreements
- › Adding > 2GW of RE capacity
- › In 2023, four new power purchase agreements were announced

Circularity of the Mobile Industry

Vision for a circular economy for the mobile sector

Devices with as long a lifetime as possible made with 100% recyclable and recycled content, 100% renewable energy and where no device ends up as waste

OVERARCHING CONCEPTS FOR DEVICE CIRCULARITY

Maximise longevity Zero waste

SYSTEM TRANSFORMATION ACROSS VALUE CHAIN

Collaborate with your suppliers Engage your consumers Partner with repairers and recyclers

THE INTERNAL FOUNDATION

Build a foundation for circular economy devices by setting a baseline for flows of materials and devices

 \$140bn market

 +1yr -4.7m cars

SAMSUNG



FAIRPHONE

Digitisation and Enablement

Mobile technologies can help enable up to **20%** of global carbon reductions by **2030**



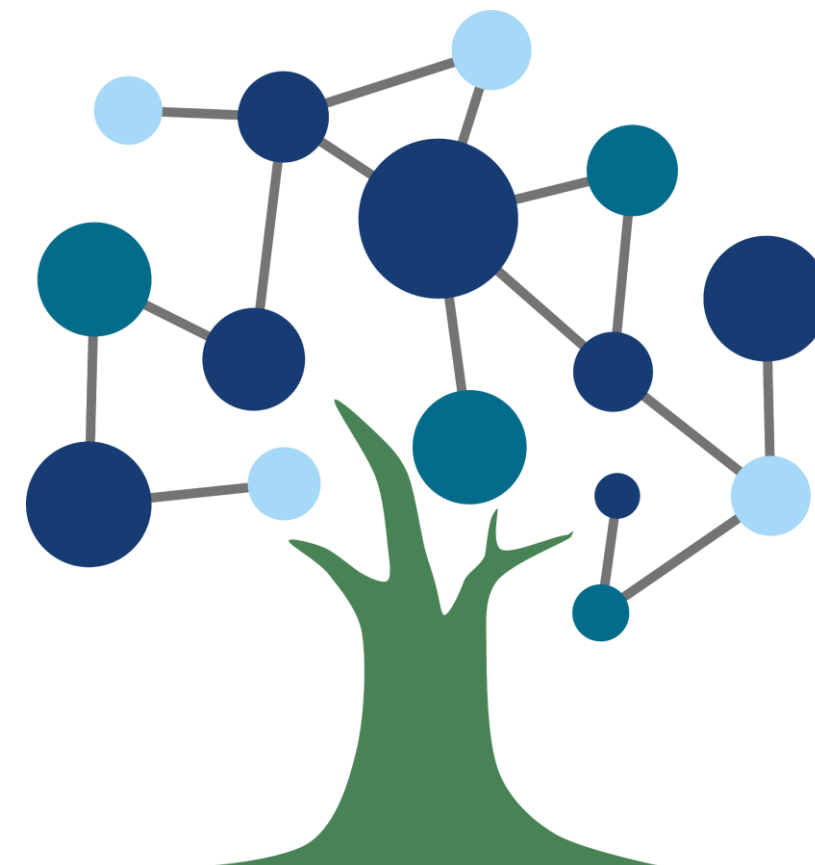
82 companies in Europe



37 EGDC members



45 SMEs



EUROPEAN GREEN
DIGITAL COALITION

EGDC Case Studies

- › **Ericsson** - Optimisation of port processes
- › **Schneider Electric** - High-Performance Building Management System
- › **Inteligg** - C-BEMS
- › **AddSecure** - Logic TMS
- › **Telia** - Ekobot
- › **Nokia** - Integrated Operations Center (IOC) for Nicosia Municipality Smart City
- › **Nokia** - Conscious Factory
- › **Atea** - GlobeTrack

Climate Action Resources

www.gsma.com/climate

