

Sustainability in telecommunications and space

#HU24EU

Laure de La Raudière

BEREC Vice-chair 2024

Chairwoman of ARCEP, France's Electronic Communications, Postal and Print media distribution Regulatory Authority

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**BEREC Report on
Sustainability Indicators
for Electronic
Communications
Networks and Services**



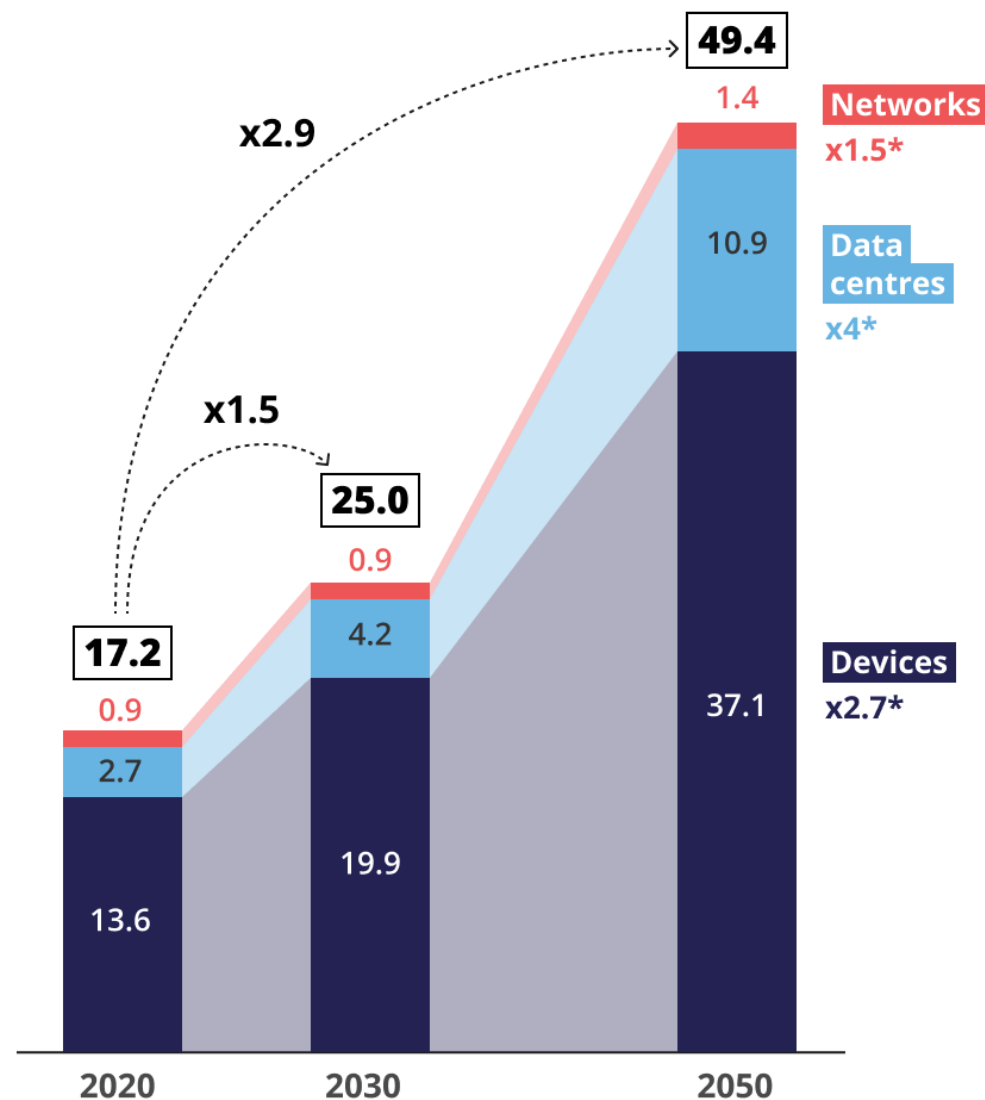
**#empowering
EUconnectivity**



ICT's carbon footprint worldwide & ADEME-Arcep assessment of the French digital ecosystem's environmental footprint

**If no steps are taken,
digital's GHG emissions
could almost triple by 2050**

Progression of the business-as-usual scenario of GHG emissions in 2020, 2030 and 2050



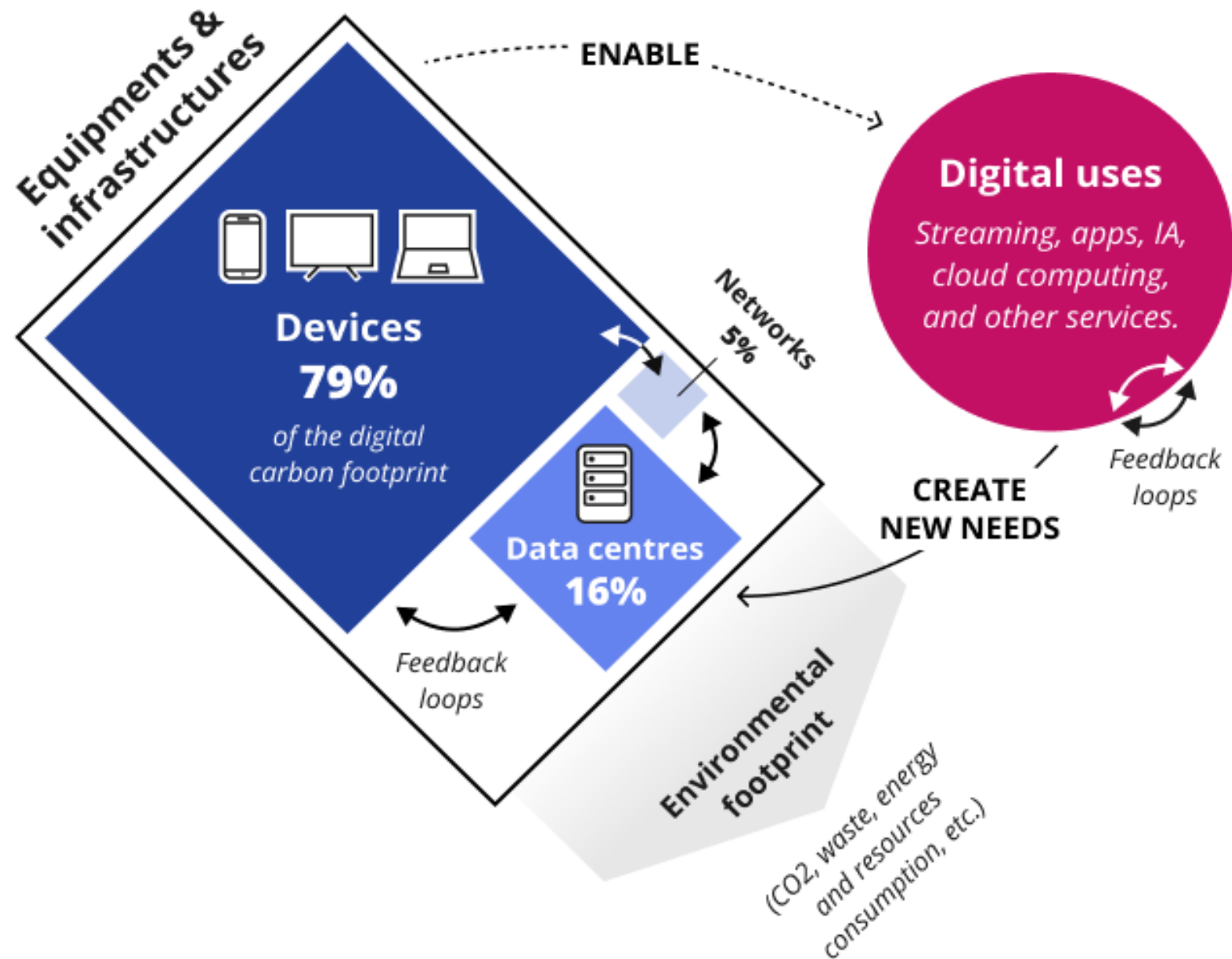
* Change between 2020 and 2050



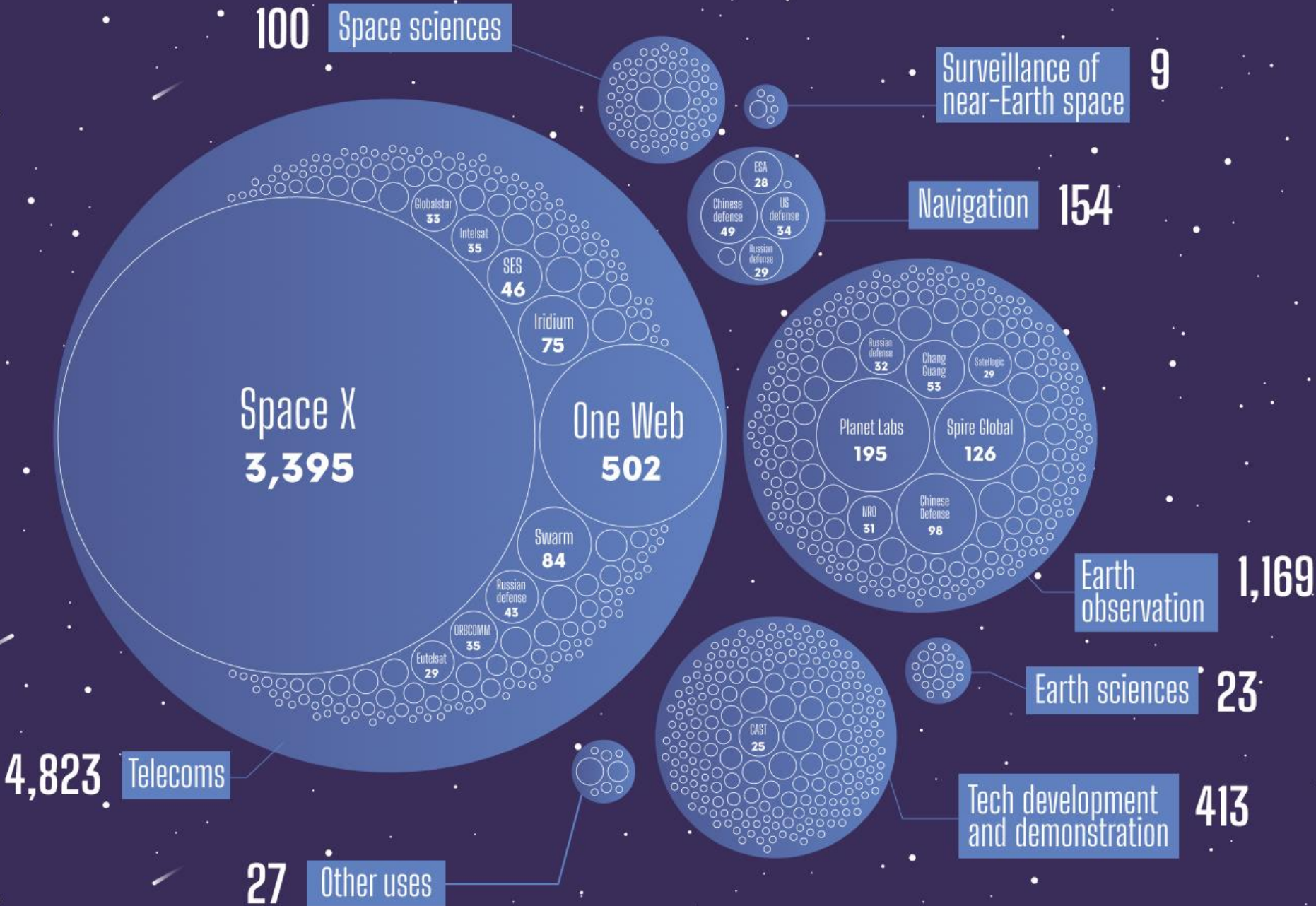
Interdependence between the elements of the digital value chain

Dynamics between materiality and uses

Breakdown of the digital carbon footprint in 2020 by ICT component (%), and interrelations between them



Number of operational satellites as of January 1st 2023, classified by main purpose and player
Some players' fleet serves multiple purposes



Source: UCS (Union of Concerned Scientists) Satellite Database

BEREC's current communication campaign



BEREC's guide
to reducing the environmental
footprint of your devices

 **ALL DEVICES**

- Keep using devices as long as possible
- Repair instead of replace whenever possible
- Use only one device for different functions
- Consider renting or leasing additional devices
- Buy second-hand or refurbished
- Take your old or unused device for reuse, recycling, or refurbishment
- Choose a device with a smaller screen
- Switch off equipment when not in use

HANDHELD DEVICES

- Keep your battery charge level between **80%** and **20%**

SMARTPHONES

- Switch off or use the airplane mode on your smartphone overnight
- Whenever possible, use a Wi-Fi network instead of a mobile network

ROUTERS

- Turn off Wi-Fi when not needed