



Scaling eSIM globally Developments and trends shaping growth

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eSIM: time to scale globally Transforming connectivity for Consumers and Industries

eSIM journey

Early take-up

Acceleration

Scale

New opportunities for mobile ecosystem players and new benefits for consumers and enterprises

2013-2017

Laying the

foundation

2018-2021

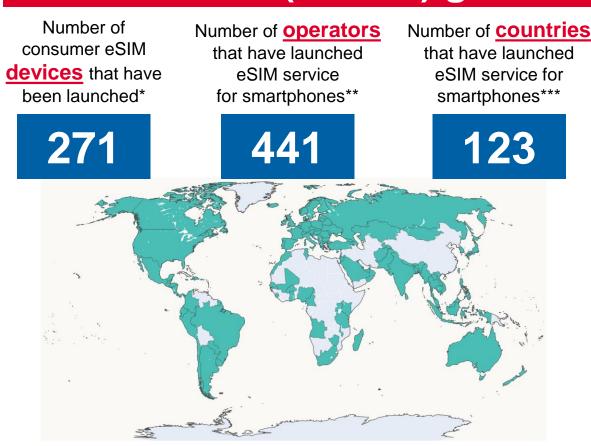
2022-2024

2025 and beyond

Continuous Industry work on enhanced eSIM specifications

eSIM for Consumers eSIM is now a reality...looking for scale

eSIM is now (almost) global



Scaling eSIM takes time

- Consumer awareness of eSIM has doubled in the last few years...
- ...BUT eSIM adoption in the smartphone market has been slower than expected.
 The US is the only exception (following the launch of eSIM-only iPhones in 2022)
- More work to do across multiple areas
- Growth outlook is encouraging: 76%
 eSIM penetration by 2030 globally
- eSIM for international travel is emerging as a successful use case

Data as of June 2024. * Sum of smartphones, tablets and smartwatches (cumulative). ** Sum of MNOs, MVNOs and global providers of international roaming services. *** Excluding eSIM service for international roaming

Intelligence

Travel eSIM

A clear use case for eSIM, capturing consumer interest

There is growing use of eSIM for international roaming, which explains the proliferation of global providers of roaming connectivity services (e.g. Airalo, Holafly, eSIM.me) and growing interest among operators in monetising inbound roaming through eSIM

50% of consumers are aware of eSIM

19% of eSIM-aware consumers use eSIM



51% of eSIM users used eSIM service while travelling abroad for leisure or personal reasons in the past 12 months



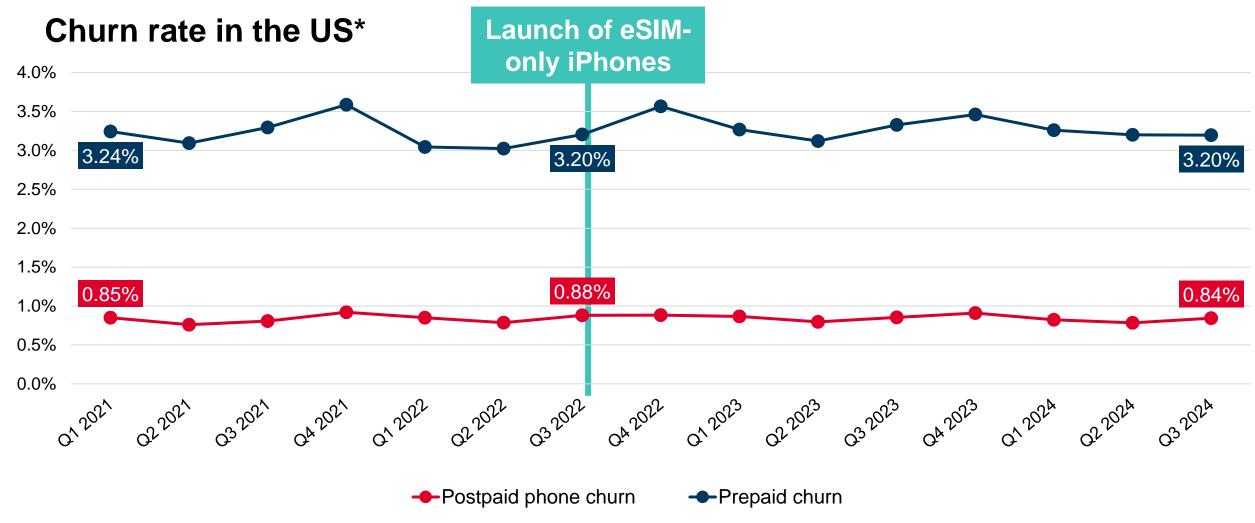
28% of travel eSIM users purchased an eSIM service provided by a global provider of international roaming connectivity services



Average figures across 11 countries: Australia, France, Germany, Italy, Japan, Poland, South Korea, Spain, UAE, UK, US.



eSIM doesn't increase consumer churn In the US, rapid adoption of eSIM has had no impact on churn





eSIM for Industries

An important enabler and driver of IoT deployments

eSIM so far

New trends should accelerate adoption of eSIM

Automotive

eSIM is already mainstream in connected vehicles

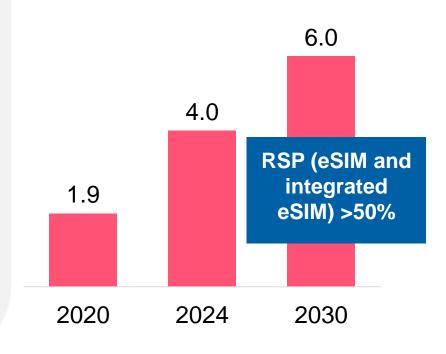
Beyond Automotive

Single eSIM initiatives rather than sector-wide deployments

- New, enhanced eSIM specifications for IoT
- Growing range of eSIM IoT devices and eSIM products/ solutions from SIM vendors (aiming for global capabilities and coverage)
- Growing rollout of private networks
- eSIM supporting the sustainability imperative

IoT cellular connections

Globally. Billion. Total, all SIM form factors





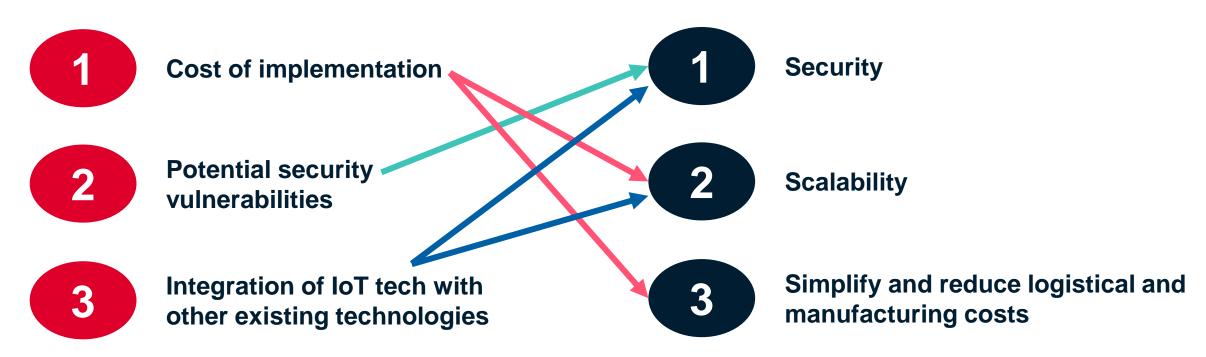
Scaling eSIM for Industries eSIM needs to address IoT deployment challenges

IoT deployment challenges faced by enterprises: the top three

Survey of ~4200 enterprises across 10 vertical sectors and 21 countries

What enterprises expect from eSIM: the top three benefits

Survey of ~4200 enterprises across 10 vertical sectors and 21 countries





About GSMA Intelligence

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GSMA Intelligence is the definitive source of mobile industry insights, forecasts, and research, used around the world. Our insights cover every mobile operator, network, and MVNO in every country worldwide.

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THANK YOU!

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