

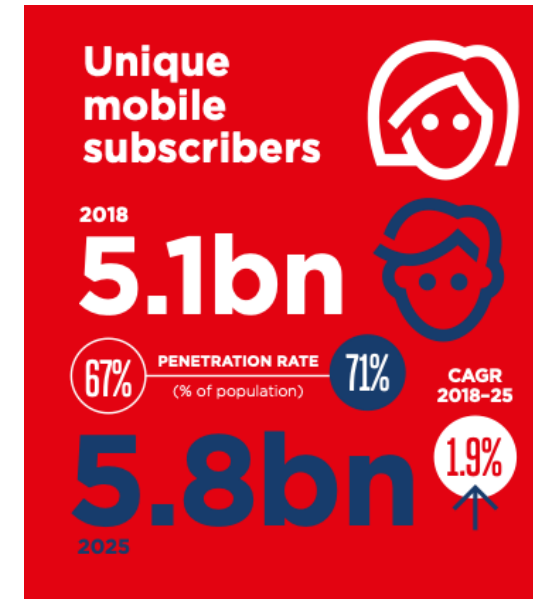


Blockchain & Mobile
Steve Doyle – IoT Principal Technical Architect



Mobile is the premier channel for serving consumers, globally

- ✓ 5.1 billion people world-wide are currently mobile subscribers
- ✓ There are now 9.3 billion total mobile connections, including Internet of Things devices
- ✓ 2.7 billion people are “unbanked” – however 60% of these own a mobile device
- ✓ Mobile devices are the ideal platform to participate in the global economy
- ✓ By 2025 GSMA Intelligence estimate there will be 25 billion connected Internet of Things devices





Key opportunity areas for blockchain & mobile for inclusive tech

Self-Sovereign Digital Identity



International Aid Delivery



Humanitarian Cash Payments

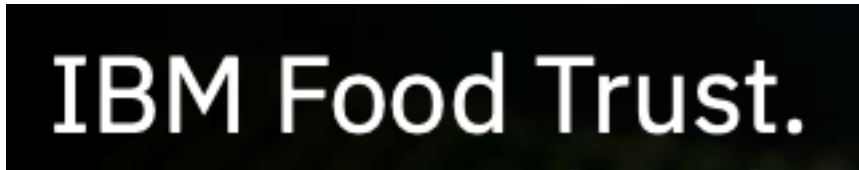


Supply Chains



New Digital Services – especially “Sharing Economy”

Food Safety & Security & Provenance



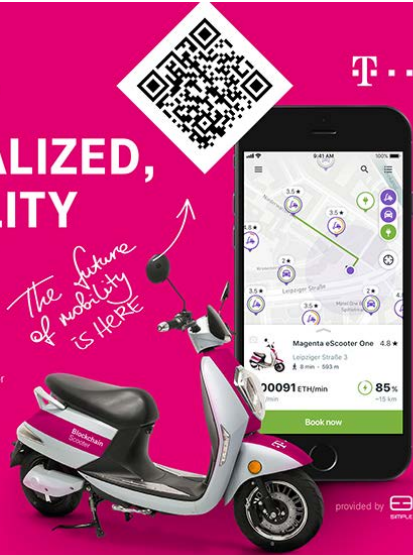


Mobile operator blockchain initiatives

XRIDE — A DECENTRALIZED, OPEN MOBILITY ECOSYSTEM

T-Labs, Telekom Innovation Laboratories, and their partners, Riddle & Code, Jolocom & Simple Mobility developed an open urban mobility ecosystem that is entirely running on decentralized technologies. All major functionalities from identity management to payment & storage are realized via Blockchain technologies.

The result is an open ecosystem that enables a variety of benefits: instant user onboarding, seamless KYC processes, secure machine identities, decreased transaction fees via micropayments and improved availability via decentralized storage.



Dr. Xueqin Jia
Senior Standardisation Engineer
China Unicom Network Research Institute - IOT Group



GSMA's accelerating interest in blockchain

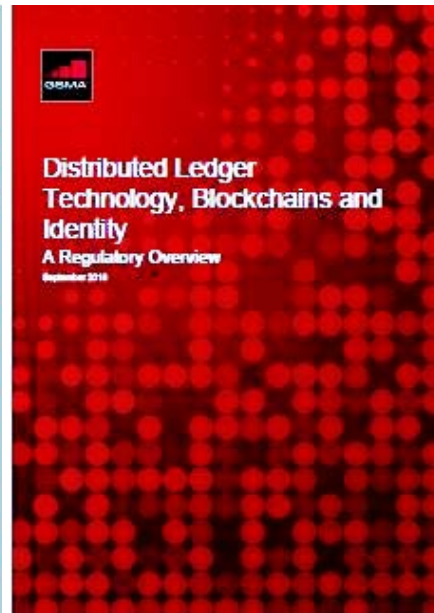
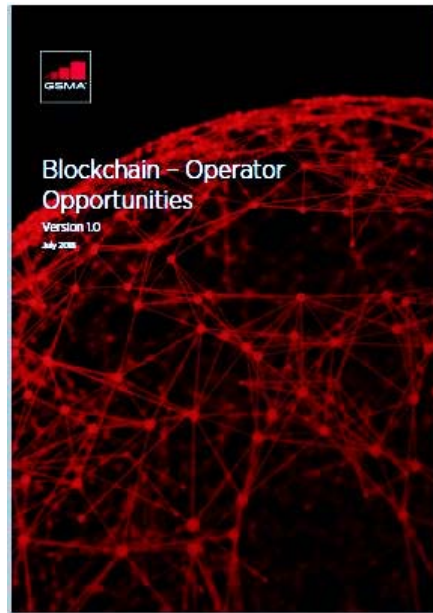
Mobile for
Development

Strategy

Identity

Internet of Things
(IoT)

GSMA
Intelligence - IoT





Further reading

- <https://www.gsma.com/mobilefordevelopment/resources/blockchain-development-emerging-opportunities-mobile-identity-aid/>
- <https://www.gsma.com/mobilefordevelopment/mobile-money/gsma-inclusive-tech-lab/>
- <https://www.gsma.com/iot/resources/opportunities-distributed-ledger-in-iot/>
- <https://www.gsma.com/iot/resources/report-dlt-application-for-renewable-battery-value-evaluation-in-iot/>