THE ROLE OF DIGITAL IN COMMUNITY RESILIENCE



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GSMA Mobile for Development

M4D

Our purpose

GSMA CLIMATETECH

Unlocking the power of digital technology in LMICs to enable their transition towards a low-carbon and climate-resilient future.



The ClimateTech programme is funded by the UK International Development from The UK Government and The Swedish International Development Cooperation Agency (SIDA) and is supported by the GSMA and its members.

UK International Development
Partnership | Progress | Prosperity

Sweden Sverige

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CLIMATE CHANGE AFFECTS US ALL

We know that **digital technologies** and solutions are growing rapidly and **mobile penetration** is improving. Together they offer great potential to address climate challenges.

We are all affected by climate change in one way or the other, but **LMICs will be disproportionately affected.** They also have limited capacity to address vulnerability and prepare for disasters.

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Our scope includes digital solutions for...

- Waste management and circular economy
- Natural resource management and forestry
- Agriculture
- Managing water provisioning
- Disaster preparedness and response
- Transport, mobility and logistics management
- Energy



Improving the delivery of climate finance

Climate change education and awareness

Climate change impact on vulnerable groups in LMICs

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WHAT WE DO

Our climate initiatives leverage technology to improve climate **resilience, mitigation** and **adaptation strategies.**

01 We use research, insights, evidence and best practices **to drive opportunities** for digital innovation.

02 We catalyse partnerships between **government, mobile operators, innovators** and **service providers.**

03 We **fund** and **support innovative solutions** to climate problems.



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Programme impact

KEY IMPACT FIGURES

66.3M

people reached with our Innovation Fund projects

£19.6M

funding raised by our grantees from investment following GSMA grant support

23

Organisations funded across 14 countries

Grants span themes such as:

- Plastics recycling
- Agricultural advisory and financial risk management
- Fisheries
- Weather analytics and early warnings and more...

16.4M

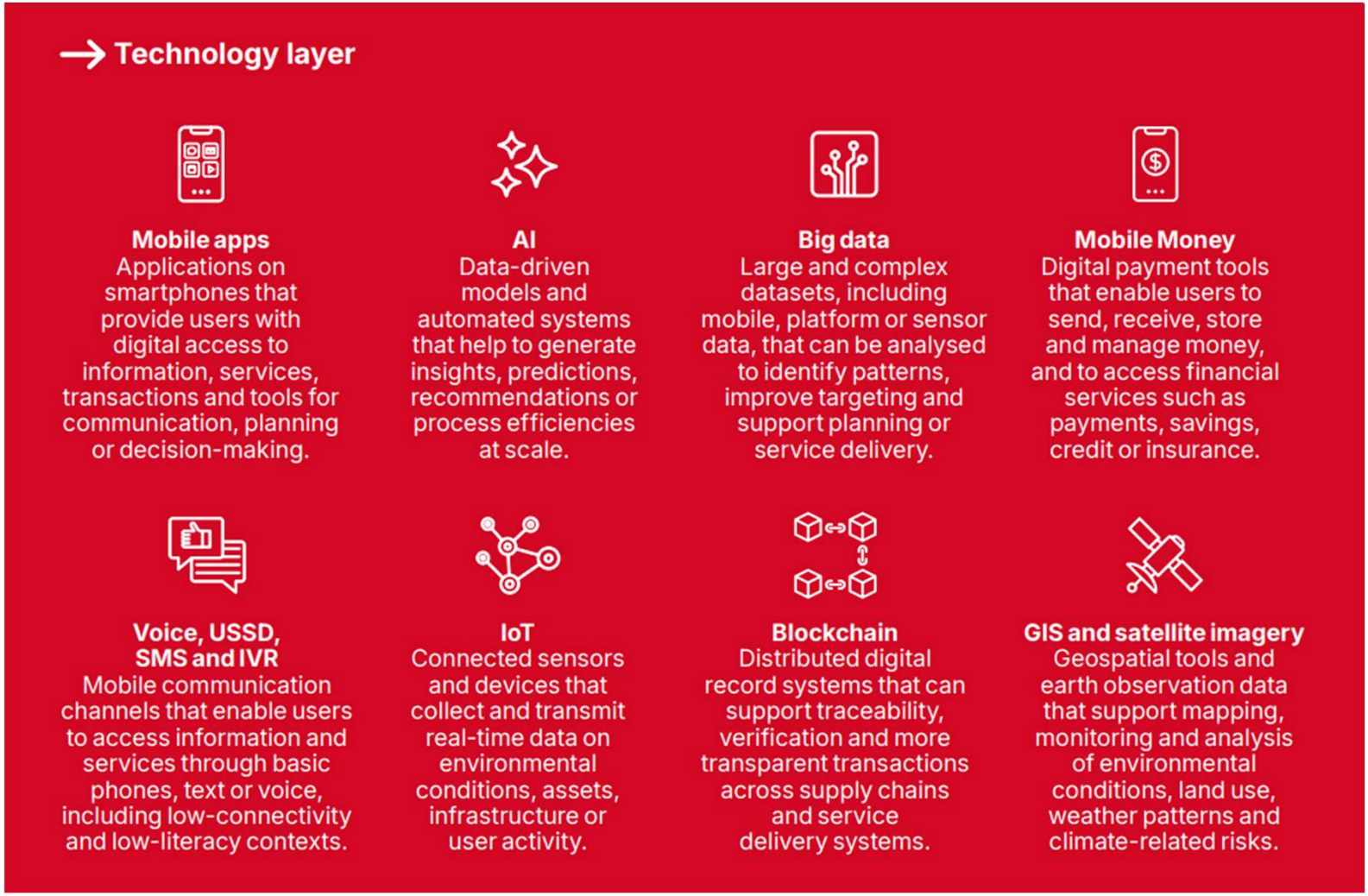
people supported to adapt to climate change



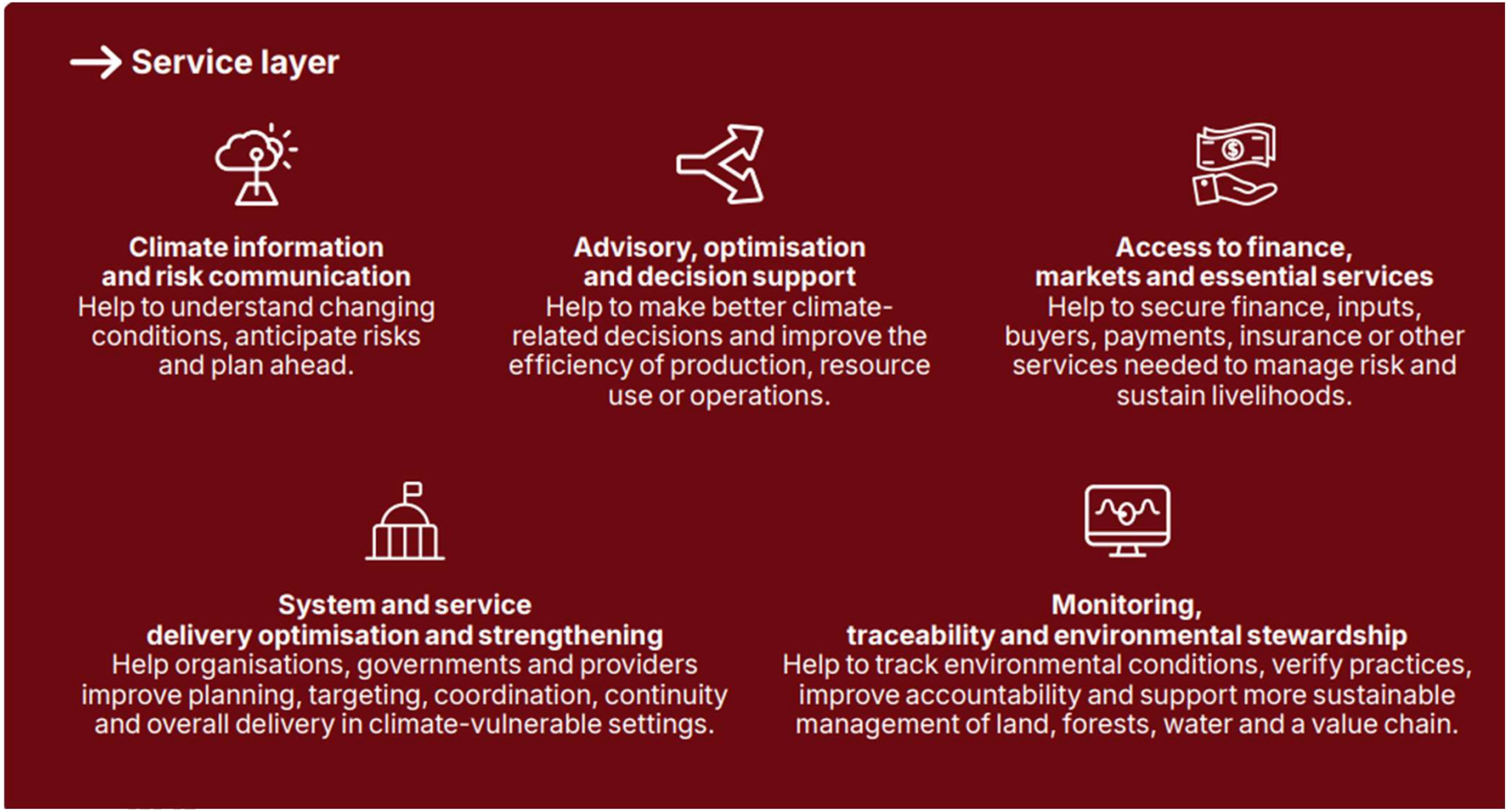
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The technologies used in these solutions can be categorised into eight buckets



The service layers for climate resilience can be categorised into six buckets



Learnings

Digitally enabled climate resilience delivers the strongest results when solutions are designed for disruption, delivered through trusted and well supported adoption pathways, and measured through realistic changes in use, behaviour and outcomes over time.



01 Environmental benefits and ecosystem outcomes should be anchored in practical, measurable actions

02 Trust must be built before adoption can scale

03 Climate tech should be designed intentionally for women and other underserved users

04 Behaviour change requires practical, repeated decision support

05 Digital solution development must account for contextual uncertainty

Further information

For more information about the GSMA ClimateTech programme...

Visit... **www.gsma.com/ClimateTech**
Or download the brochure **here**

Download
the brochure:





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THANK YOU

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