



GREEN
CLIMATE
FUND

| GCF.10 |

| 10 YEARS OF CLIMATE IMPACT |

GCF REGIONAL DIALOGUE

with EAST AND SOUTH ASIA

Colombo, Sri Lanka
14–17 September 2026

Making Early Warning Messages Work for All!

Case of enabling Cell broadcast for EWS

Dulip Tillekeratne, GSMA

Colombo, Sri Lanka
14–17 September 2026

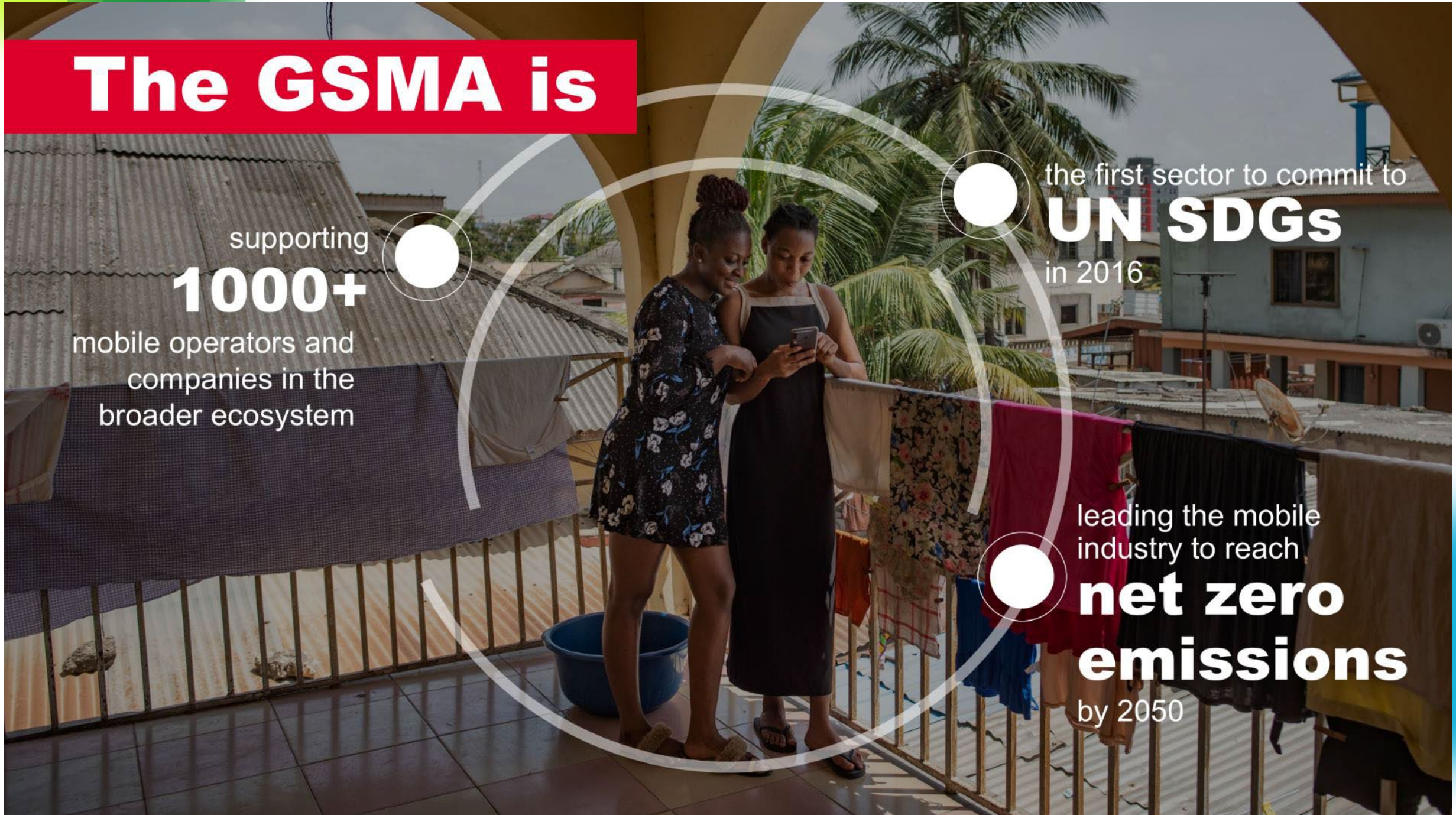
The GSMA is

supporting
1000+

mobile operators and
companies in the
broader ecosystem

the first sector to commit to
UN SDGs
in 2016

leading the mobile
industry to reach
**net zero
emissions**
by 2050



Mobile for Development in Numbers

GSMA

Mobile for Development has impacted the lives of over

220m people and counting...



70m+

additional women reached with mobile internet or mobile money services since 2016 by **50+ MNOS**, as part of the Connected Women Commitment Initiative



9.28m+ people

impacted to date by the work of the GSMA Digital Utilities programme and its partners



16m

smallholder farmers reached in Africa and Asia through **digital agriculture solutions**



70m+

people in **40 countries** trained with the basic digital skills required to access and use mobile internet in order to meet their needs, using the GSMA Mobile Internet Skills Training Toolkit



There are now **1.6bn** registered mobile money accounts globally transacting

US\$1.26tn

That is **\$3.45 billion per day!**



244m

registered accounts

now covered by GSMA Mobile Money Certified providers



As of May 2024, the GSMA Innovation Fund has supported

100+

organisations, who went on to attract over £662 million in additional investments and provide life-enhancing solutions to **47m people**



The GSMA's humanitarian work has now impacted

12m+



people with improved access to, and use of, life-enhancing mobile-enabled services during humanitarian preparedness, response, and recovery

Our Climate resilience, mitigation and adaptation strategies leverage mobile and digital technology for climate action, to **help limit global warming to under**

1.5°C



Mobile for Humanitarian Innovation

Accelerating

digital humanitarian assistance



**12+ million
people**
reached to date



Building **partnerships**
to deliver safe, efficient and
dignified humanitarian
assistance



Investing in innovation
to target humanitarian
challenges with 29 solutions
delivered to date



Enabling **life-saving
information** to reach
those in crisis

EW4All and GSMA Role



“Today I announce that the United Nations will spearhead new action to ensure every person on Earth is protected by early warning systems within five years. **Early warning systems** save lives. Let us ensure they are working for everyone.”

António Guterres
Secretary-General of the United Nations

 WORLD METEOROLOGICAL ORGANIZATION

Colombo, Sri Lanka | 14–17 September 2026

Risk knowledge

- What are the risks?



Monitoring risks

- Continuous assessment



Alerting / disseminating

- Multi – channel approach



Response capability

- Community ability to respond



Benefits of cell broadcast

CB allows mobile network infrastructure to rapidly push an alert message to mobile handsets within a designated geographic area.



One-to-many



Rapid distribution



Geographically targeted distribution



Audible and visual alert



Privacy conscious



Secure/difficult to infiltrate or replicate

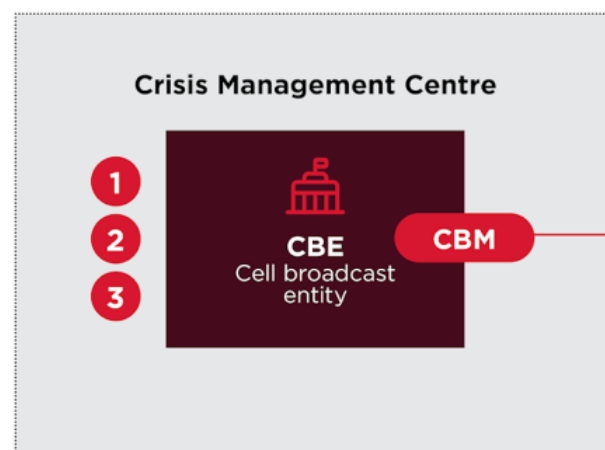


Reach

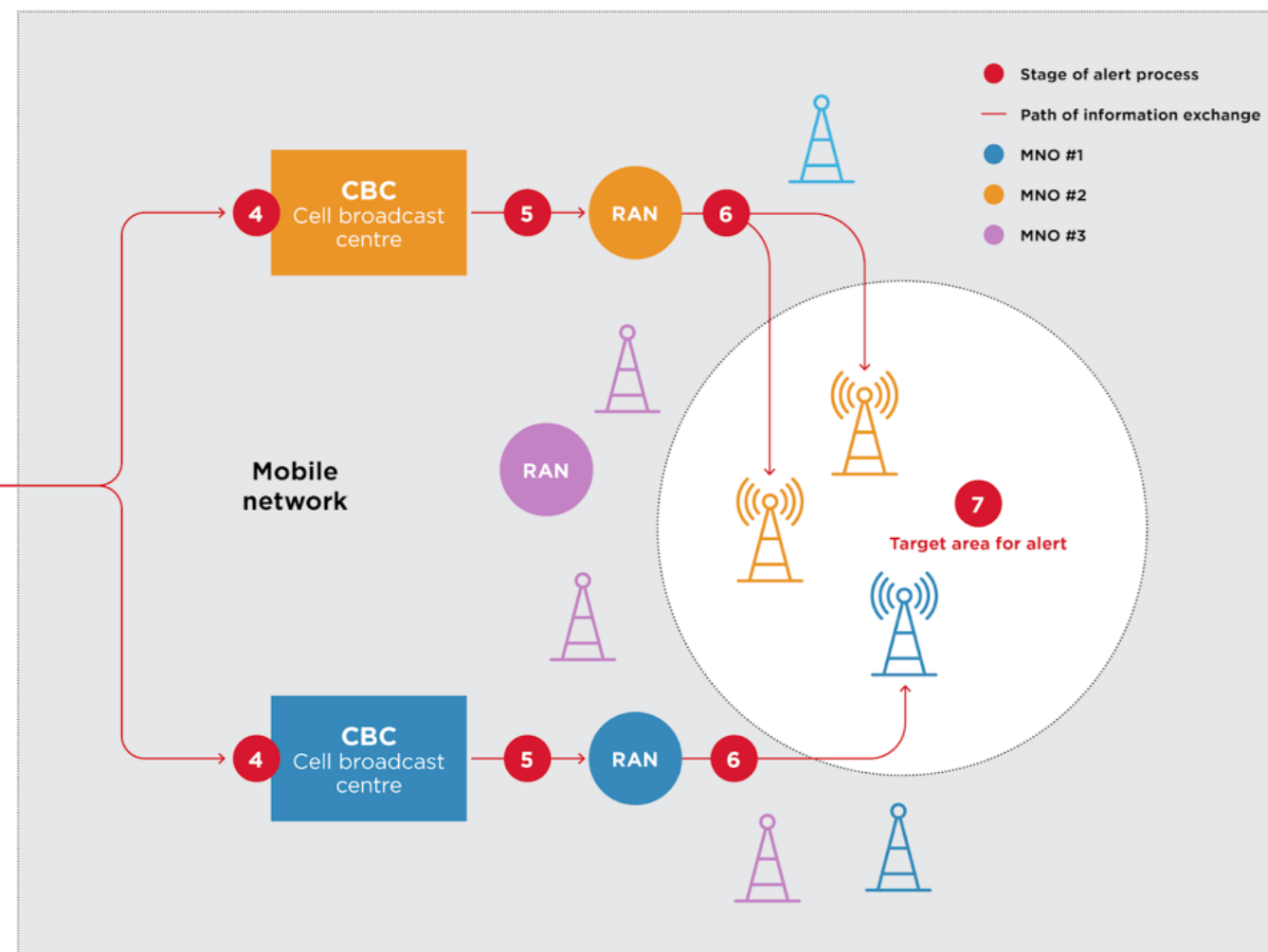


No network congestion

Path of information exchange of a cell broadcast message (CBM)



*RAN = Radio Access Network



Considerations when implementing Cell broadcast projects



Operational

- How should disaster management partners collaborate?
- What role do standards and regulations play?
- How does existing message alerting process and authorisation matrix need to be modified?



Technical

- Is CB an appropriate channel?
- How resilient is network infrastructure?
- Is there adequate mobile network coverage?
- Which mobile technologies will the CB system operate on?
- How will the CB system interact with existing network infrastructure?



Financial

- What are the costs for the implementation of the CB system?
- Who pays for the system – both initial capex and ongoing annual opex?
- Is there a choice between third-party sources and a DIY approach?
- Do cost-saving measures exist?



User-facing

- How can communities be made aware of EWS?
- How can stakeholders create a culture of risk awareness?
- How can stakeholders ensure CB-enabled EWS are accessible?
- How can stakeholders build and maintain trust in CB-enabled EWS and messages?

Call to action...

- Engaging with the Mobile Network Operators as Partners
- Ensuring it is not considered only a Technical project
- Enabling the local ownership
- Focusing on the end users, making sure the solution is designed as an inclusive solution
- Ensuring sustainability of the solution (thinking of CAPEX and OPEX as well as country level maintenance)



| **GCF.10** |
| 10 YEARS OF CLIMATE IMPACT |

Thank you

Colombo, Sri Lanka
14–17 September 2026