

Early Warnings for All

Pillar 3: Warning Dissemination and Communication



Q4 2025

Early
Warnings
for All



Our Mission

The International Telecommunication Union (ITU) equips countries with the skills, technologies and systems needed to ensure that early warnings reach everyone — instantly, reliably, and accessibly — through cell broadcast, multi-channel systems, AI-powered tools and more.

A Global Opportunity

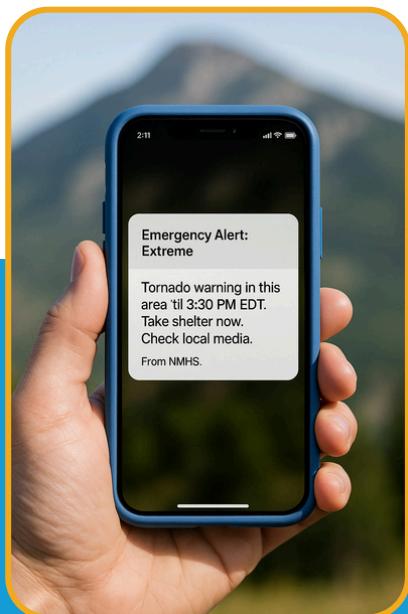


98.9% of the global population is covered by mobile networks.

4 in 5 people own a mobile phone.



... yet, around 140 countries have no inclusive mobile early warning system.



Our Expected Outcomes



Alerts reach people at risk, in time for them to take life-saving action.



Inclusive early warning systems that leave no one behind.



Legal and technical readiness for nationwide, multi-channel alerting.

ITU is turning mobile networks into lifelines

Our Tools



Cell Broadcast (CB)

No app. No subscription. Just a life-saving message on every screen. Only 37 countries currently deploy CB. ITU is helping others be CB-ready.



Common Alerting Protocol (CAP)

A standardized, XML-based format for emergency alerts, CAP ensures consistent alerting across all channels — radio, TV, mobile, social media and more.



Community Ownership

Empowering communities is key to effective early warning systems. With IFRC, ITU advances inclusive, people-centred alerts that are clear, trusted and actionable, prioritizing those most at risk.



Satellite Communication

ITU works with partners to scale up direct-to-device satellite technologies to countries, enabling mobile alerts to reach people in remote and underserved areas.



AI-Powered Tools

The Early Warning Connectivity Map — a collaboration between ITU, Microsoft, Planet Labs and IHME — uses AI and satellite imagery to identify unconnected populations.



Our Work in Progress

36

Countries supported under EW4All

36

...and counting

CB feasibility assessments conducted

11

...and counting

Countries provided with CAP support

27

National EWS Roadmaps covering communication & dissemination

Our Impact



Haiti

In Haiti, ITU led a simulation of location-based short messaging service (SMS) with the Government and mobile network operators. Haitian authorities have since sent over 100,000 preventive flood alerts via SMS, showcasing the system's life-saving potential in a fragile context. Scan the QR code to read the full impact story.



Mauritius

ITU is supporting Mauritius to become the first country in Africa to implement CB technology, setting a regional benchmark for advanced early warning systems.



Somalia

Through EW4All, ITU is helping Somalia build its alerting system with the National Communications Authority and other partners. Key reforms, CAP setup, and a national plan are underway, laying the foundations for mobile-based early warnings.



Partner with us to make early warnings accessible to all

You can help governments develop emergency telecom plans, deploy CB systems, and strengthen institutional capacity by:

Financing the mission

Fuel transformative impact by funding ITU's work to build inclusive, technology-driven public warning systems.

Sharing your technology and expertise

Scale up cutting-edge solutions by partnering with ITU and joining our Technical Expert Group on Mobile Early Warning Systems.

Reach us at:
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Visit our website:
www.itu.int/go/EW4All-Pillar3

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