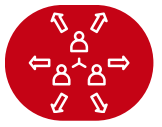
ALERT HUB
Warning Communication Knowledge Network

MAP CHALLENGES OF IMPLEMENTING EFFECTIVE WARNING COMMUNICATION

Preliminary findings of the systematic literature review



Institutional fragmentation and poor coordination among agencies and sectors involved in disaster risk management.



Low risk awareness and weak public engagement, especially among vulnerable populations and in rural or transient communities.



Limited integration of traditional and scientific knowledge, leading to missed opportunities for locally adapted warning systems.



Insufficient technological infrastructure, including outdated models, sparse weather station networks, and poor interoperability of systems.



Communication bottlenecks, such as the use of ineffective or inaccessible channels, unclear messaging, and failure to convey uncertainty in a usable way.



Underutilization of community-based resources, including local pharmacies, schools, and civil organizations, in dissemination and action planning.



Political and financial constraints, such as limited long-term planning capacity, weak climate adaptation mandates, and low public pressure for government action.