



**Asia-Pacific
Economic Cooperation**

2025/SOM3/EPWG/SDMOF/009

Agenda Item: S3.2.2

Bridging Gaps in Early Warning Systems

Purpose: Information
Submitted by: Mexico



**18th Senior Disaster Management
Officials' Forum
Incheon, Korea
31 July 2025**

Bridging gaps in Early Warning Systems

SDMOF 18
Session 3

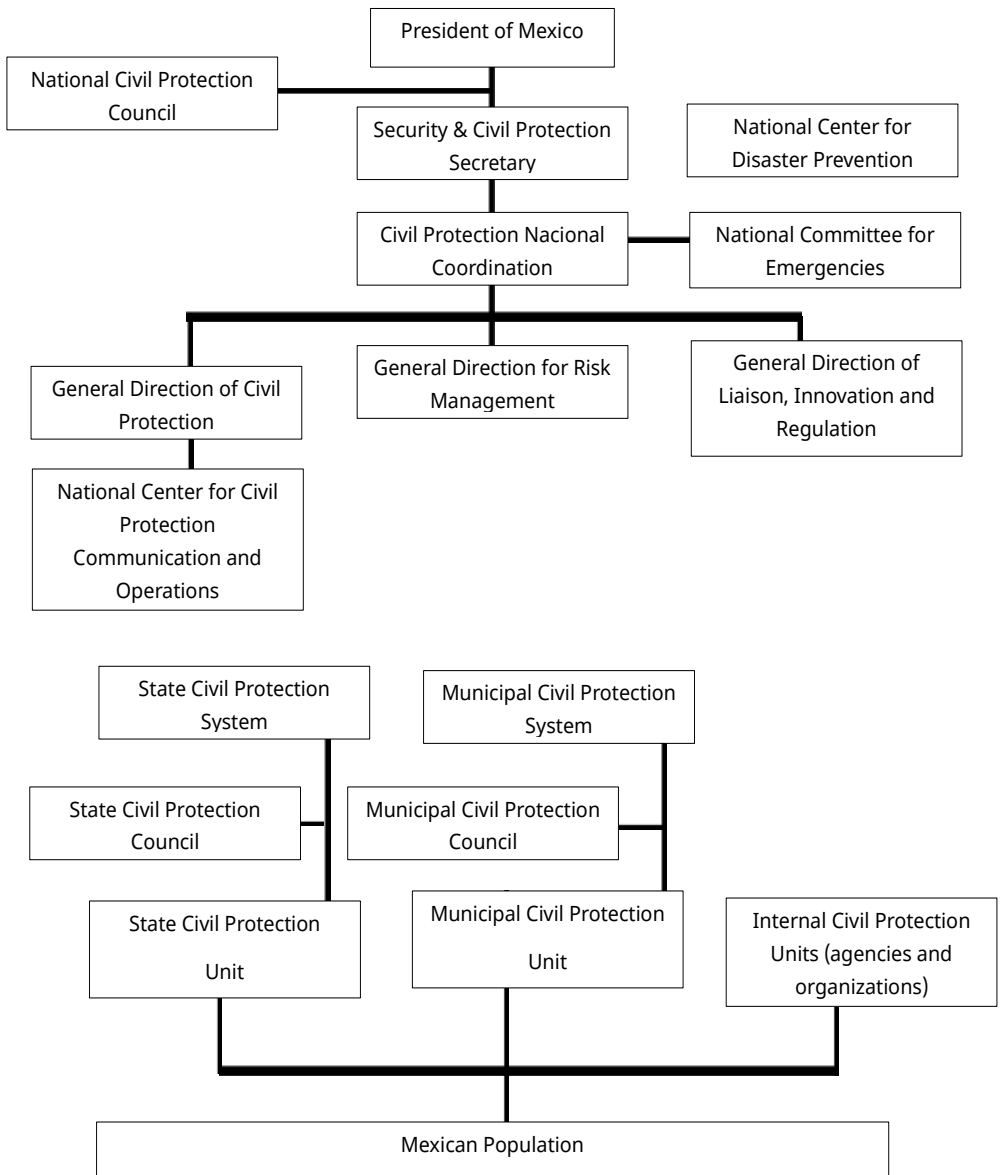
Economy of
Mexico

Contents

- SINAPROC
- Prioritizing community leadership in disaster response
- Mexican Early Warning Systems

SINAPROC (National System of Civil Protection)

Organization and structure



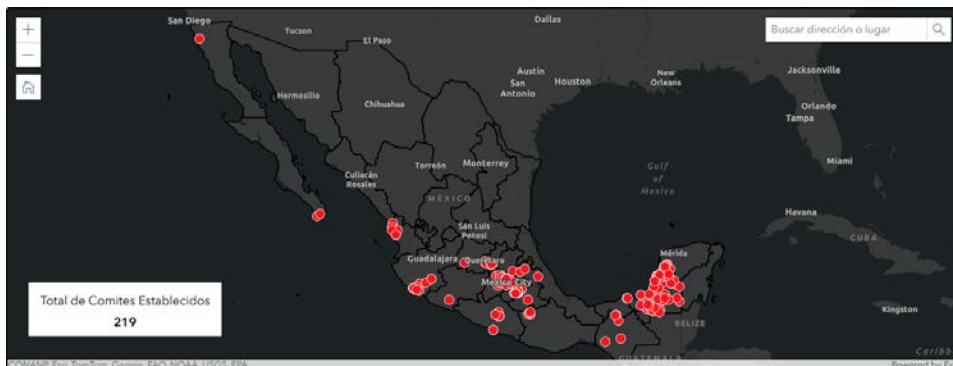
Functional relationship —————

Coordination ' - - - - -

Decentralized administrative organization - - - - -

• Prioritizing community leadership in disaster response

- Disaster prevention and preparedness cannot depend only on government actions
- It is recognized that a resilient community not only resists the impact of a disaster, but also learns, adapts, and grows stronger from the experience
- Risk management is not only a technical issue, but a human one
- We need to prioritize justice and equity



<http://www.atlasnacionalderiesgos.gob.mx/ComiteComunitario/>

Presentación del sitio

ESTRATEGIA NACIONAL DE COMUNIDADES RESILIENTES

Con el fin de contribuir a fortalecer los mecanismos de participación locales y corresponsabilidad a través de la conformación y actuación de comités comunitarios de prevención y reducción de riesgos.

Jueves 3 de marzo • 10:00 h

Transmisión a través del canal de Facebook de la CNPC






COMITÉ COMUNITARIO PREVENCIÓN Y REDUCCIÓN DE RIESGOS





gob.mx/esp

Mexican Early Warning Systems



- The Mexican Seismic Alert System (SASMEX®) is an early warning system for earthquakes, which warns the population seconds before the arrival
- The Center for Seismic Instrumentation and Recording, A. C. (CIRES, A. C.), is a non-profit civil association dedicated to scientific and technological research, founded in June 1986 with the objective of promoting the development of technology applied to seismic instrumentation, as a useful means to mitigate seismic risk.
- It was in 1989 when CIRES developed the Mexico City Seismic Alert System (SASMEX), but it wasn't until 1991 when it began operating with twelve stations that partially covered the coast of Acapulco, Guerrero.
- Principal elements: risk awareness; monitoring and alert systems; dissemination and communication; and response capacity



Since 2012, CIRES has 96 sensors

<http://www.cires.org.mx/index.php>

- The 1st National Drill 2025, organized by the Civil Protection authorities, was held on Tuesday, April 29, 2025 at 11:30 a.m. (Central Mexico time), considering a hypothetical earthquake of magnitude 8.1 with epicenter in Tehuantepec, Oaxaca.
- This is the first time that the cell broadcast system was used
 - With 90% coverage, 5 million cellphones

<https://www.youtube.com/watch?v=aXf3PGzLcOc>



<https://www.youtube.com/watch?v=hZMAJzrcZqw>

Thank you

Anya TINAJERO VEGA
Director for Humanitarian Aid and Risk Management
Mexican Agency for International Development Cooperation
atinajero@sre.gob.mx