World Meteorological Organization

Weather • Climate • Water

DRR-related mandates and relevant activities and projects of RA III

2015 Meeting of the Disaster Risk Reduction Focal Points of WMO Regional Associations, Technical Commissions and Programmes (DRR FP RA-TC-TP)

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Mandates and priorities in DRR

- It is very important SNMHs of RA-III in Risk Management.

- The SNMHs are responsible for generating, information, monitoring and prediction of major natural hazards (heavy rain, drought, high winds, hurricanes, tornadoes, hail, lightning, etc.)

- In RA-III, the INAMHI (Ecuador) is the only one that depends on a Risk Management Department.

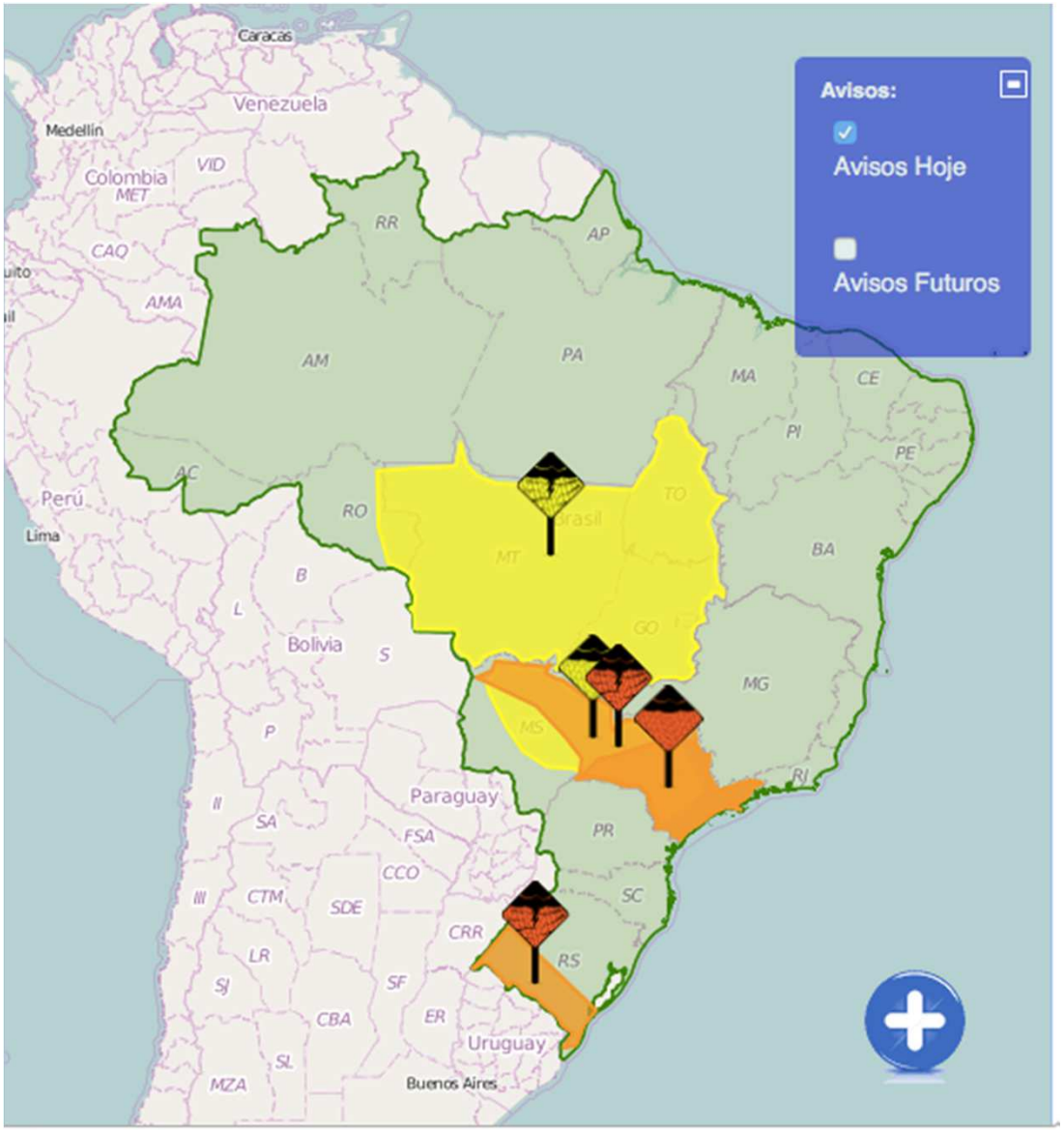
Priority projects & activities related to DRR

- Currently, the Brazilian INMET has developed the ALERT-AS (Alert South America) system as a technological tool capable of generating warnings to the community using satellite imagery and history of disasters.

- ALERTS uses the Common Alerting Protocol WMO to disseminate them.

- The ALERTS will initially be expanded to the southern countries of South America.

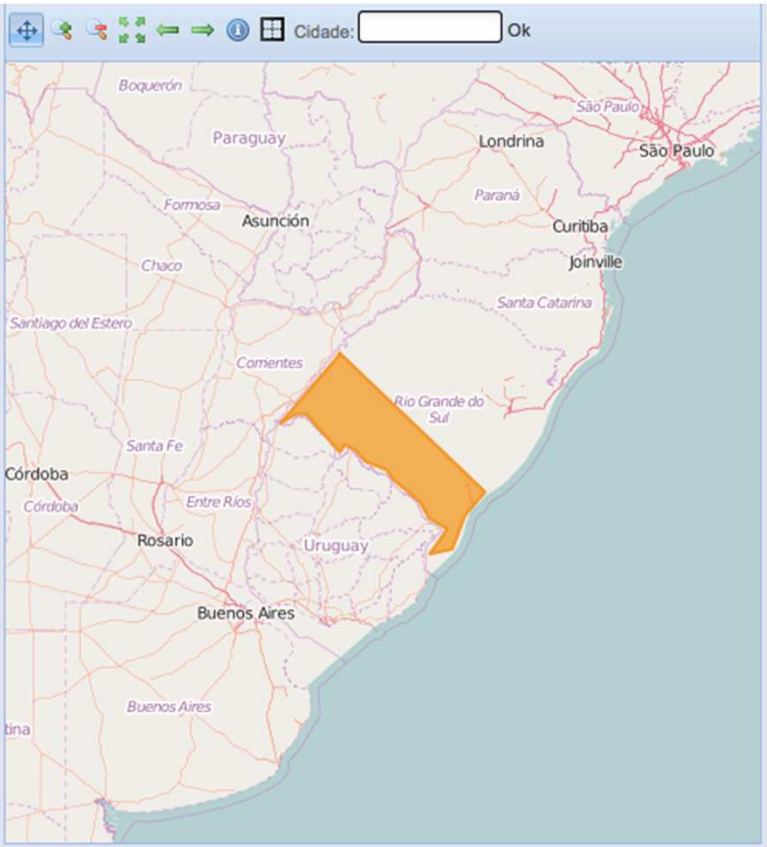
Guidelines, manuals & standards related to DRR



ALERTS: example in Brazil

http://alert-s.inmet.gov.br/cv/emergencia/cap/

Alert Detail "Orange" to southern Brazil



Advertencias meteorologicas:**Brasil**

Advertencia de: Chuvas Intensas. Grado de severidad: **Perigo**
Evento: Chuvas Intensas
Comienzo: 30/10/2015 13h0min
Fin: 1/11/2015 0h59min
Institución: *Instituto Nacional de Meteorologia*
Riesgos potenciales: *Risco de queda de galhos de árvores, alagamentos, incidência de descargas elétricas e granizo.*

Municipios:

Alegrete - RS (4300406), Arroio Grande - RS (4301305), Baje - RS (null), Barra do Quaraí - RS (4301875), Caçapava do Sul - RS (4302808), Cacequi - RS (4302907), Candiota - RS (4304358), Canguçu - RS (4304507), Capitão - RS (4304697), Capivari do Sul - RS (4304671), Cerrito - RS (4305124), Dilermano ... mire más

Área afectada:

Aviso para as áreas: Sudoeste Rio-Grandense, Sudeste Rio-Grandense, Centro Ocidental Rio-Grandense

Legenda

Another example of the Center for Natural Disaster Alert (CEMADEN) in Brazil (http://www.cemaden.gov.br)

Possible Future Actions

- Expand alerts to all Members of RA III. With this implementation of CAP (Common Alert Protocol) is ensured in the region.

- Necessary to integrate weather radars in the region. There are initiatives in Southeastern South America.

- Necessary to integrate networks of automatic stations throughout the RA III. This can be achieved by completing the implementation of BUFFER region followed by WIGOS.

Secretaría de Gestión de Riesgos

INAMHI

ECUADOR

Weather · Climate · Water

Secretaría de Gestión de Riesgos

INAMHI

Secretariat of Risk Management (SGR)

- Leading the Decentralized National System of Risk Management to ensure the protection of people and communities of the negative effects of disasters natural or manmade, by generating policies, strategies and standards that promote strategies to identify, analyze, prevent and mitigate capabilities confront and manage risks to disaster events; as well as to recover and rebuild the social, economic and environmental conditions affected by any emergency or disaster.
- INAMHI, is attached to the SGR, from June 2010

Mandates and priorities in DRR

Institution that provides information and services in the meteorological field, climate and water quality, developed scientifically and timely.

Through a network of stations (Hydrometeorological, satellite, radar and upper-air), numerical models, laboratory infrastructure and qualified human resources.

For decision-making on a personal level, risk management, planning works and generate information for research on climate, weather and water.

INAMHI
INSTITUTO NACIONAL DE METEOROLOGÍA E HIDROLOGÍA

Mandates and priorities in DRR

The registered floods, not are only the result of the rainy season due to atmospheric phenomena, but also by those caused by the presence of the El Niño phenomena.

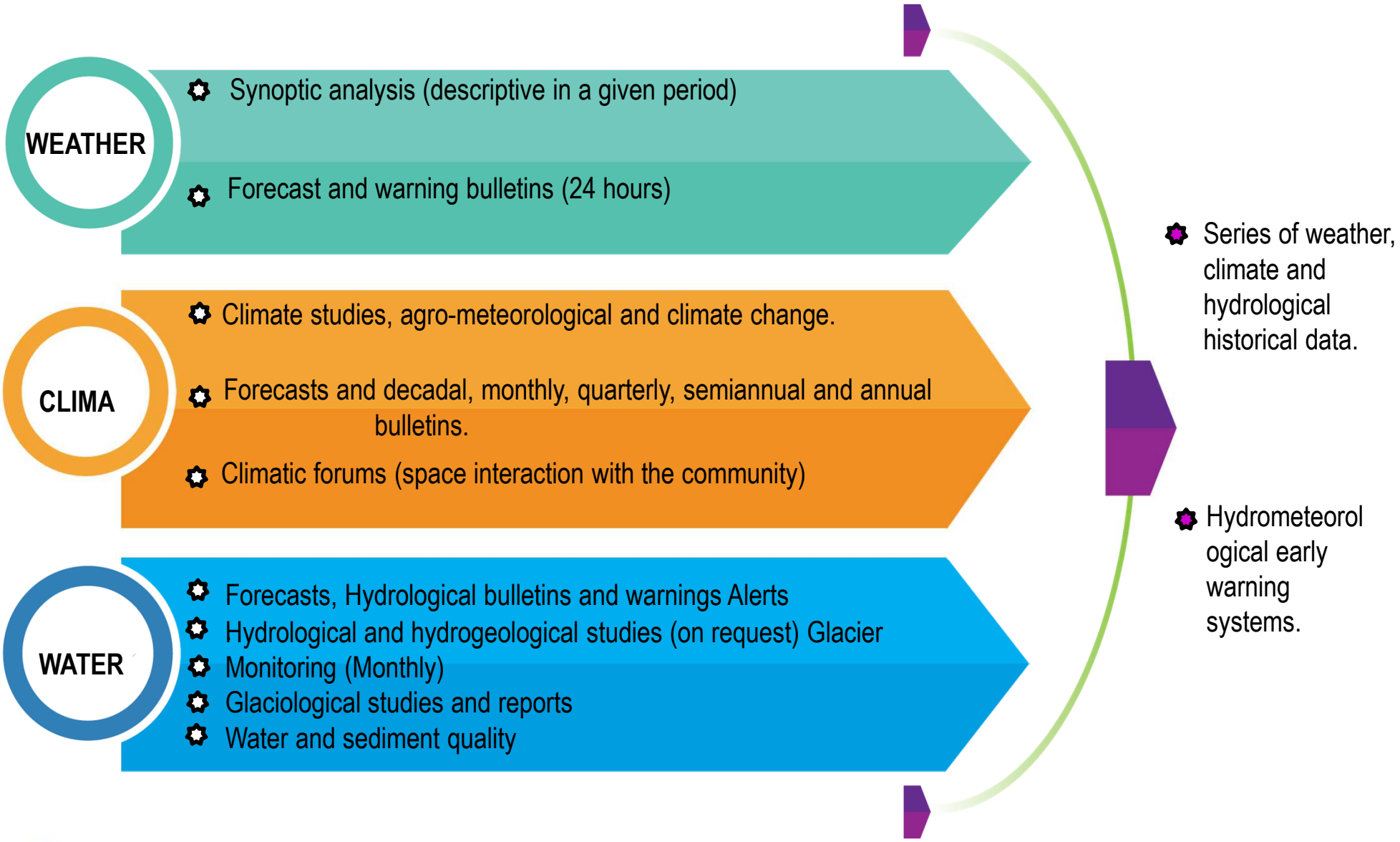
Between the floods by El Niño and that caused great damage, those are which occurred in 77-78, 82-83 y 97-98.

Daule, Guayas. 2008

Huaquillas y Aguas Verdes- Niño 82-83

In recent years, 2006, 2008, 2010,2012, floods occurred in cities of the coast and sierra, although they also occurred in populations of the eastern region.

Priority projects & activities related to DRR

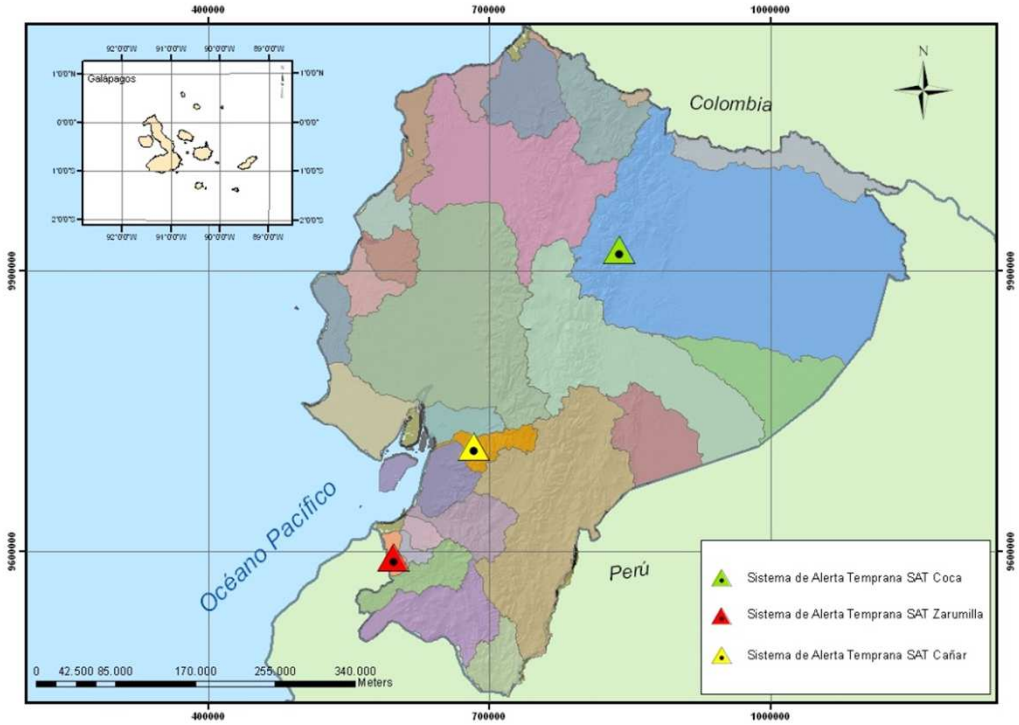


Priority projects & activities related to DRR

INAMHI, at the request of the SGR, currently is conducting studies hydrometeorological for the implementation of early warning systems, in different watersheds of the country, which according to priorities there are advances in the basins of the rivers: Coca, Cañar, and binational Zarumilla.

By its geographic characteristics, topographical, hydroclimatological communications and even availability of information (topography, meteorology, hydrology, roads, etc.) each has its particularities.

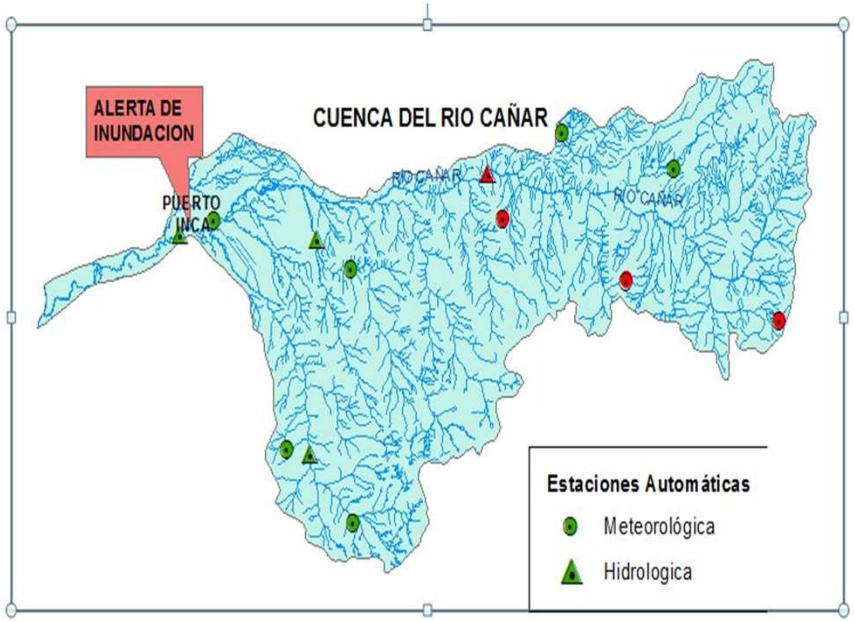
Defined a common methodology for the development of studies.

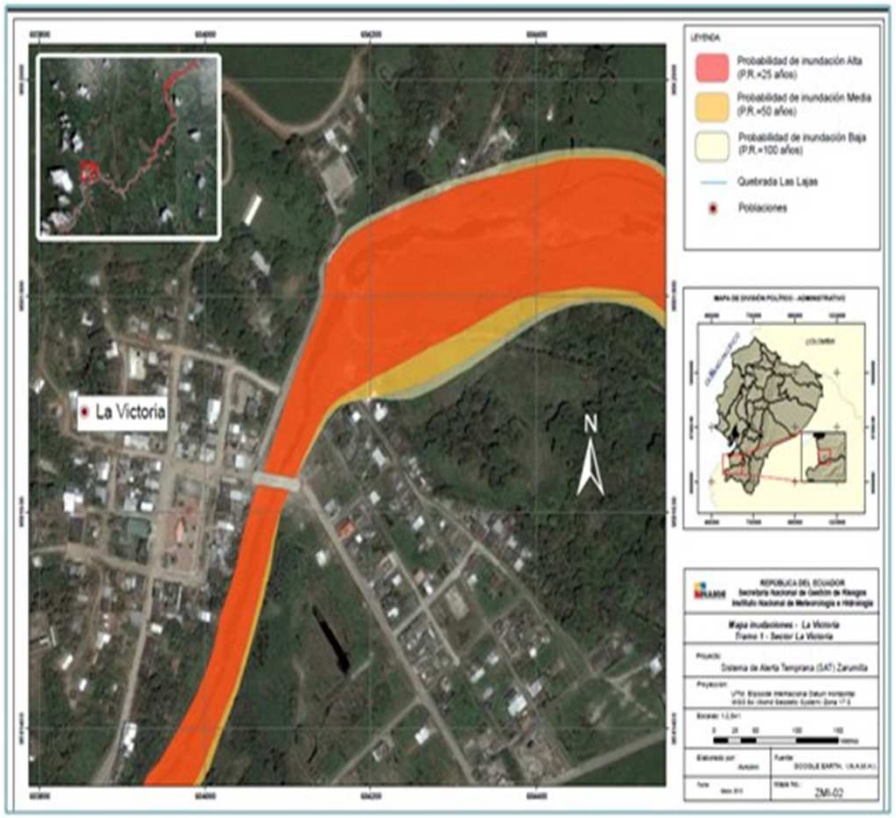


Guidelines, manuals & standards related to DRR

VII. Early Warning System Operating in real time

FLOOD ALERT

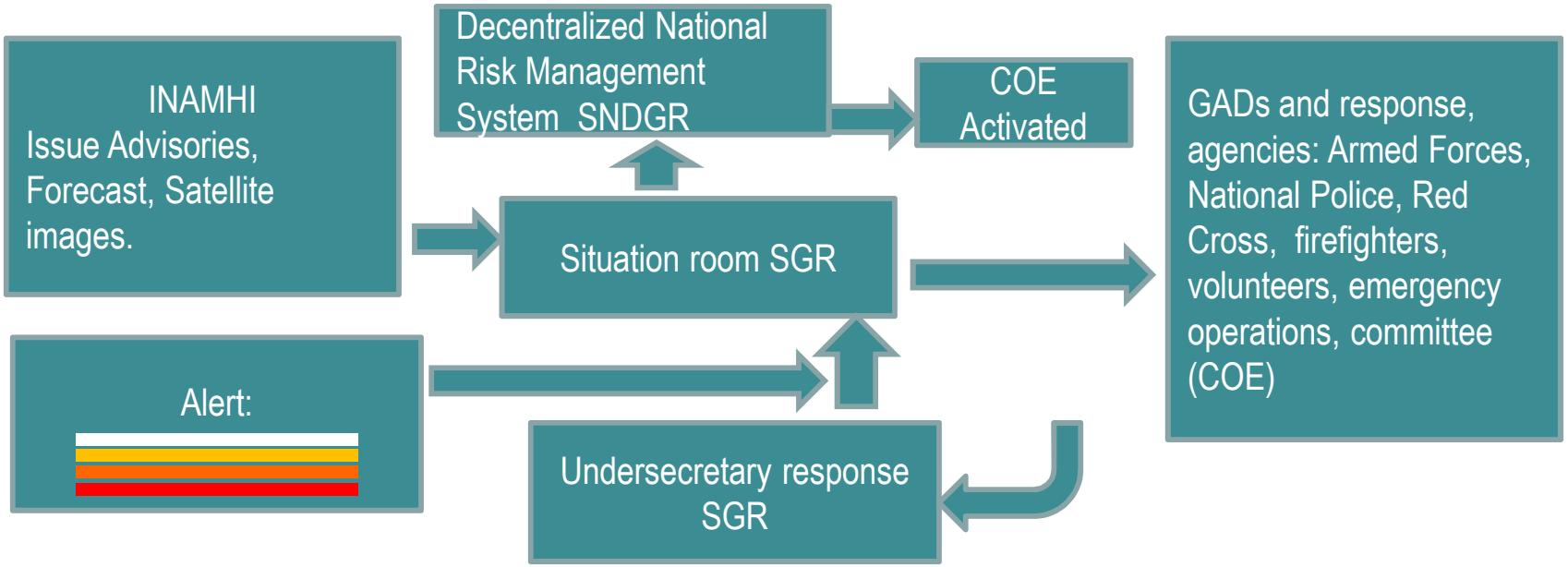




- Arrival time of the flood
  population prepared
  authorities prepared

Leveraging projects and activities of other RAs, TCs, TPs / Priority projects & activities related to DRR

Early Warning System Operational



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