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INDONESIAN TSUNAMI EARLY WARNING SYSTEM (INATEWS) CURRENT STATUS

National Report

13th Session of the Intergovernmental Coordination Group for the
Indian Ocean Tsunami Warning and Mitigation System (ICG/IOTWMS-XIII)
Nusa Dua, Bali Indonesia
28 November - 2 December 2022

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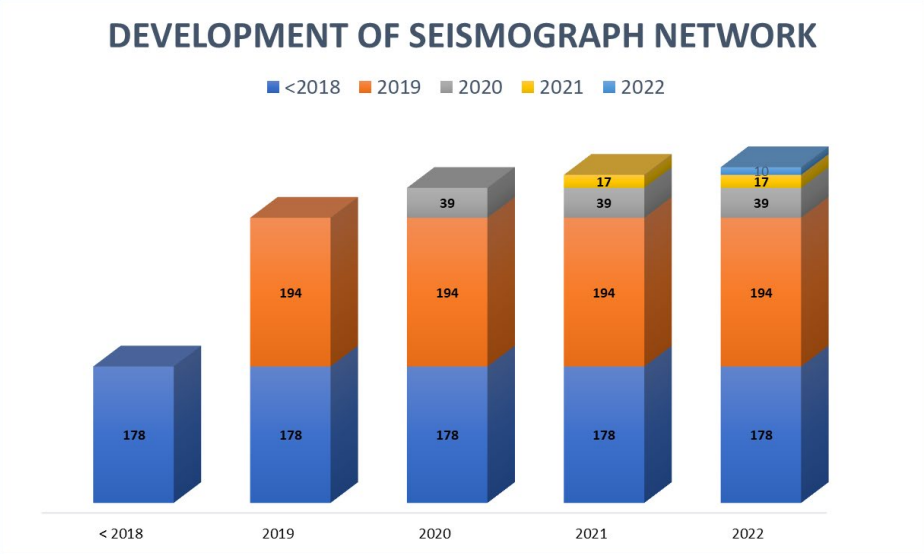
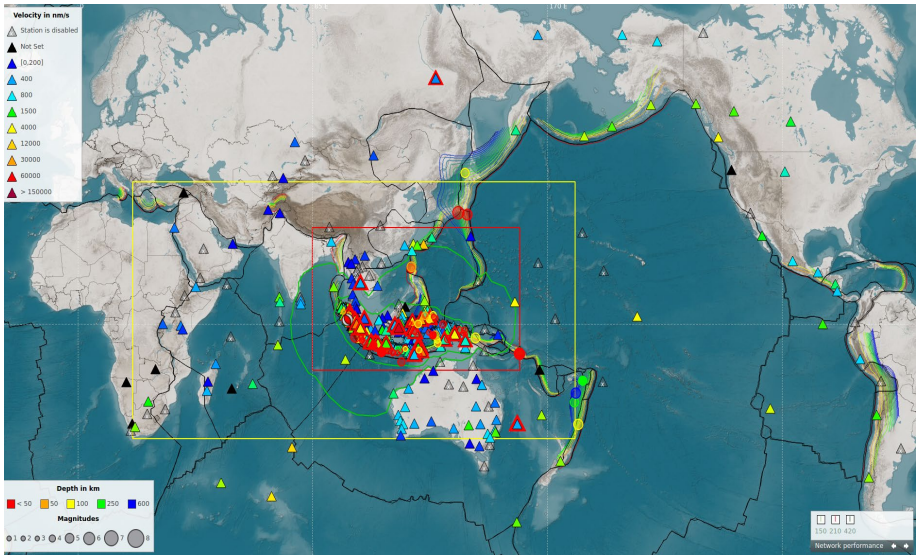
SYSTEM MODERNIZATION AND INNOVATION FOR ENHANCING EARLY WARNING

PROGRESSIVE DEVELOPMENT OF SEISMOGRAPH NETWORK





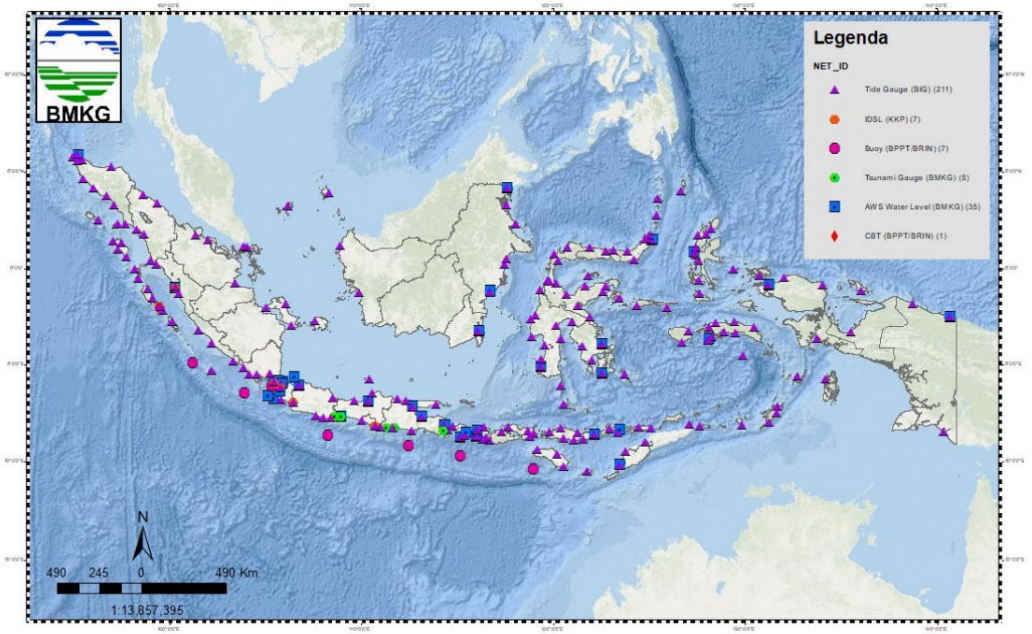
YEAR	<2018	2019	2020	2021	2022	TOTAL
ΣSEISMOGRAPH	178	194	39	17	10	438

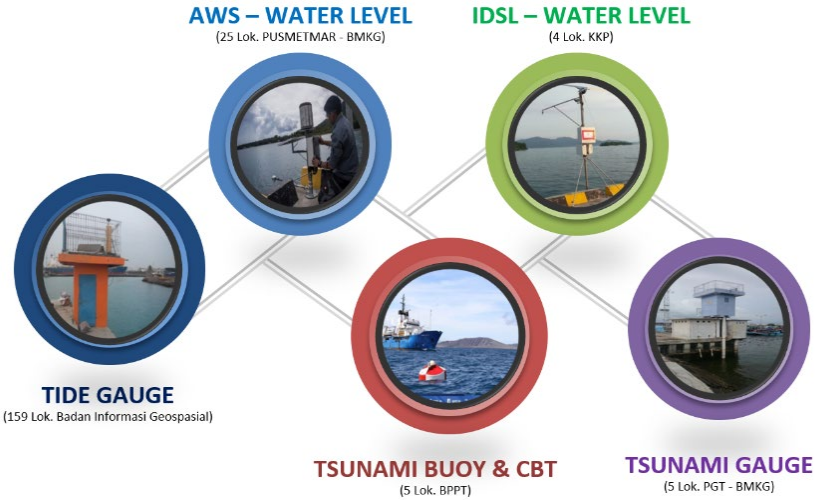
438 broadband seismometers have been deployed to increase earthquake detectability.

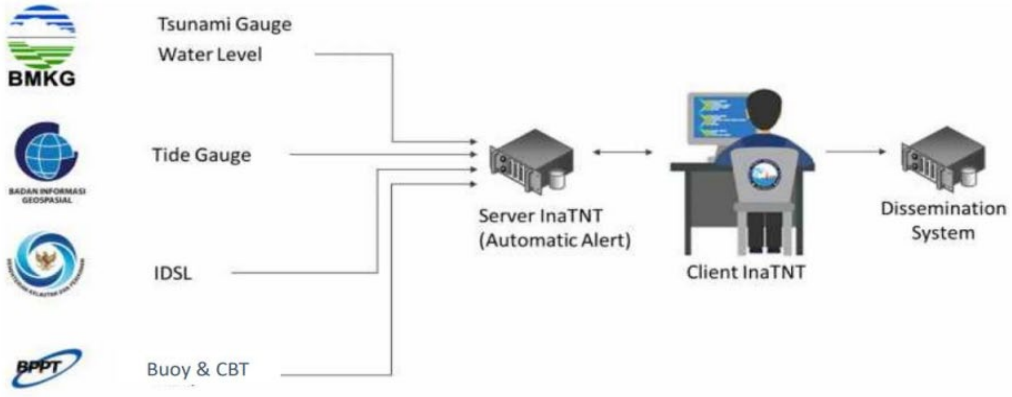
83 seismometers are on going process to be deployed until next year.

Seismic data from international data sharing to improve quality of earthquake parameter.

INTEGRATING SEA LEVEL MONITORING INTO INATNT

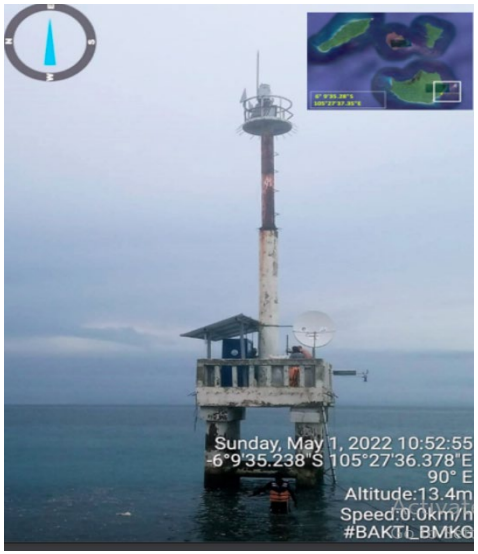


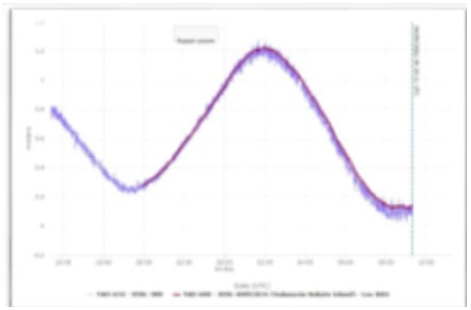




- **Sea level monitoring network to make sure whether tsunami has generated or not.**
- **Whole sea level data is integrated in InaTNT system, which managed by BMKG**

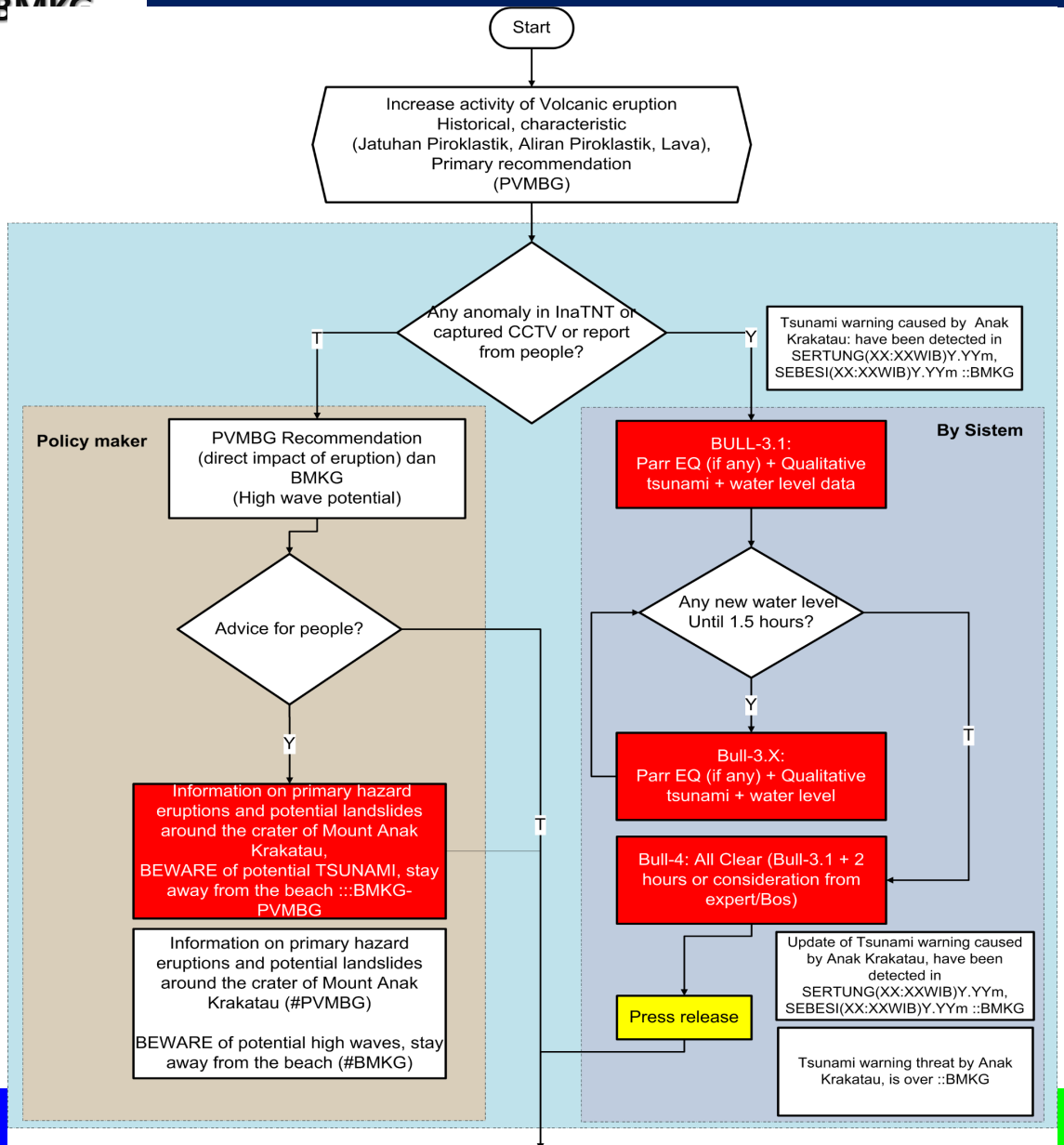
INSTALLATION SEA LEVEL OBSERVATION AT SUNDA STRAIT





- **The lesson learnt from Non Seismic Tsunami event at Sunda Strait in 2018 by installing sea level observation (IDSL) surrounding GAK.**
- **This activity was supported by KKP, BAKTI, PVMBG and DISNAV HUBLA**

DEVELOP SOP FOR ATYPICAL TSUNAMI AT GAK



BMKG and Geological Agency (Ministry of ESDM) develop new SOP for monitoring Gunung Anak Krakatau (GAK) activities

REAL TIME EARTHQUAKE INFORMATION AND TSUNAMI WARNING

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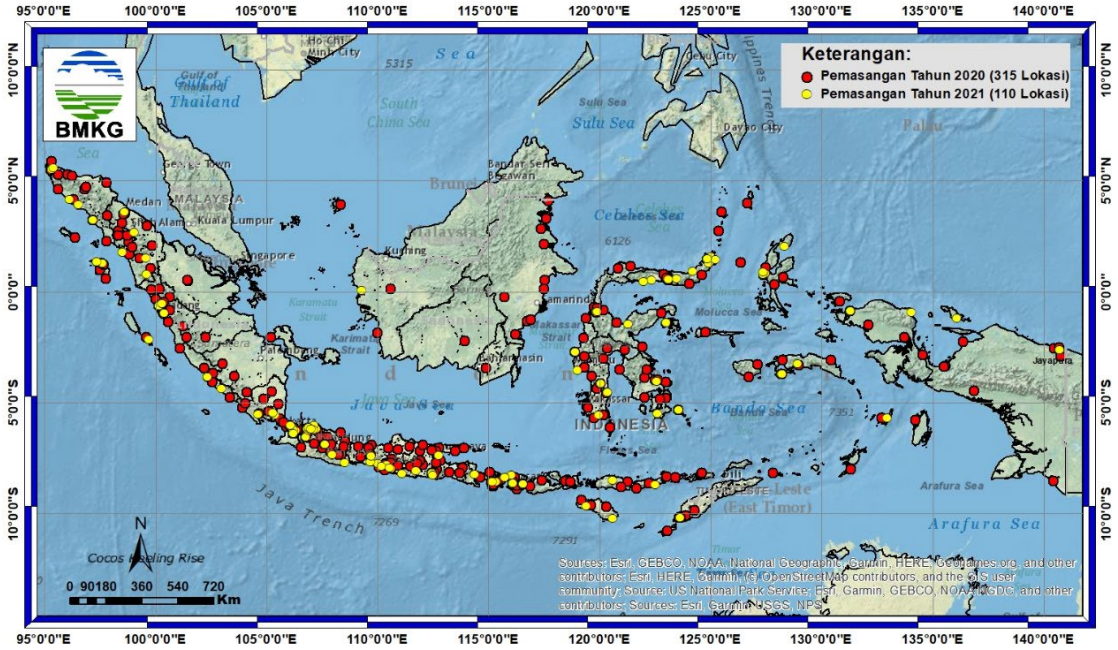
Sebaran Lokasi Pemasangan Sistem Diseminasi WRS New Generation



There are 425 Warning Receiver Systems (WRS) New Generation installed at LDMO

PILOTING THE INTERNATIONAL RECOGNITION OF INDONESIAN TSUNAMI READY

Indonesia Piloting UNESCO IOC Tsunami Ready Recognition of 9 (nine) communities. BMKG starts to advocate the implementation the 12 indicators of Tsunami Ready indicators

Advocacy of the compliance of the 12 indicators

Discussion on the development of community emergency response team

Discussion on the
t of
Plan

The inaguration of Tsunami Ready Recognition of Tanjung Benoa community

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FUTURE ACTIVITIES

- Expanding tsunami scenario database as well as improvement bathymetry and topography data
- Utilization of GNSS data for earthquake magnitude calculation, focal mechanism determination and verification of tsunami sources
- Integration accelerometer data to enhance hypocenter accuracy and develop new magnitude for earthquake in Indonesia
- Enhance seismic network and dissemination system

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Thank you