



**Asia-Pacific  
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**2017/SOM1/EPWG/015**

Agenda Item: 7.2.5

## **Managing Risks Through Preparedness Activities in Indonesia**

Purpose: Information  
Submitted by: Indonesia



**11<sup>th</sup> Emergency Preparedness Working Group  
Meeting  
Nha Trang, Viet Nam  
18-19 February 2017**



**BNPB**  
Badan Nasional  
Penanggulangan  
Bencana



**APEC**  
Asia-Pacific  
Economic Cooperation












# Managing Risks through Preparedness Activities in Indonesia

INDONESIA NATIONAL DISASTER MANAGEMENT AUTHORITY (BNPB)  
FOR EPWG MEETING AT THE APEC SOM3  
18-19 FEBRUARY 2017, NHA TRANG, VIETNAM

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Director of Preparedness, BNPB

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## Transformation of Disaster Management in Indonesia

WCDRR: SFDRR  
2015-2030

Indian Ocean  
Tsunami 2004

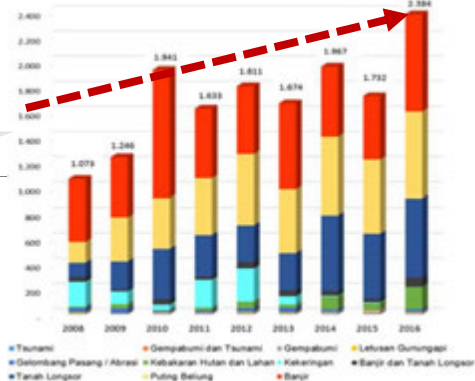


DISASTER SUPERMARKET

Building COMMITMENT on Disaster Management	FUNDAMENTAL BASED on Disaster Management	Increase EFFECTIVITIES on Disaster Management
<div style="background-color: #f1f3f4; padding: 5px; border: 1px solid #ccc; border-radius: 5px; font-weight: bold; margin-bottom: 10px;">2004-2009</div> <p><b>Legislation Aspect:</b> <i>UU 24/2007; PP 21, 22, 23/2008, Presidential Decree 8/2008</i></p> <p><b>Institutional Aspect:</b> <i>BNPB, BPBD, National Platform on DRR</i></p>	<div style="background-color: #f1f3f4; padding: 5px; border: 1px solid #ccc; border-radius: 5px; font-weight: bold; margin-bottom: 10px;">2010-2014</div> <p><b>Legislation Aspect:</b> <i>Yogyakarta Declaration; Local Government on DM; MoU for DM; UU 23/2014; 7 SNL on Disaster Management</i></p> <p><b>Institutional Aspect:</b> <i>&gt;87% BPBD; Local Forum on DRR; Academic Forum on DRR; IABI</i></p> <p><b>Planning Aspect:</b> <i>National Plan on DM 2010-2014; RAN PRB 2010-2012; Masterplan 12 hazards; RPB 33 Provinces &amp; 87 Districts/Subdistricts Level</i></p> <p><b>Budgeting Aspect:</b> <i>Rp.150 M → Rp. 5 T : increase 3.300%</i></p> <p><b>Capacity Aspect:</b> <i>Global Champion on DRR; NAR; IRBI 2011, 2013; Ina SAFE; Ina-DRITG; Ina-WARE; Risk Map on 33 Provinces &amp; 87 Districts/Subdistricts Level</i></p> <p style="color: blue; font-weight: bold; text-align: center;">DISASTER LABORATORIUM</p>	<div style="background-color: #f1f3f4; padding: 5px; border: 1px solid #ccc; border-radius: 5px; font-weight: bold; margin-bottom: 10px;">2015-2019</div> <ul style="list-style-type: none"> <li>Review on legislation UU 24/2007 and other regulations to harmonize and synchronize</li> <li>Professional Capacity Building on DM PB as Experts</li> <li>World Class Training Center</li> <li>DRR Knowledge Center</li> <li>Mainstreaming DRR into Spatial Planning</li> <li>Integration DRR and CCA</li> <li>Increase on Research, Science and Information Technologies for Risk Communication</li> <li>Urban Resilience</li> <li>Optimized International Cooperation for DRR</li> <li>Integration DRR into SDGs</li> </ul> <p style="color: blue; font-weight: bold; text-align: center;">CENTER FOR GLOBAL KNOWLEDGE ON DISASTER</p>

# Disaster Events in Indonesia

The average annual impact of the damages and losses caused by disasters in Indonesia around **Rp 30 trillion** (excluding catastrophe).



The DM policy according to National Mid-Term Development Plan is "to reduce disaster risk and improve resilience of the government, local governments and people n dealing with disaster"

Goal: Reducing disaster risk index in 136 center-of economic-growth municipalities which are prone to disaster

Reduction target of disaster risk index by 2019 → 30%  
By 2016 has reach up to 15,98%

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# Indonesia's Multihazard Map

**InaSAFE**  
Indonesia Scenario Assessment For Emergencies  
<http://inasafe.org>

**inaRISK**  
how risky is your place?  
<http://inarisk.bnpb.go.id>  
<http://mhews.bnpb.go.id/index>

**InAWARE 5.3.3 GA**  
Didukung oleh DisasterAware <http://inaware.bnpb.go.id>



# INDONESIA IN INTERNATIONAL FORUM

Indian Ocean Wave Exercise (IOWave) 2016, Padang, Pacitan, Pangandaran, Pandeglang, Jakarta – 7 September 2016

Ambon Disaster Response Exercise (Ambon DiREx) 2016, 15-17 November 2016: TTX on The EAS Rapid Disaster Response Toolkit

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## Development Process of Indonesia MHEWS

Resampled Map  
<http://mhews.bnpb.go.id>

Overlay the map with Algebra Map and produce the new index

## PROGRESS IN 2017

- The existence of strong commitment in each institution to collaborate in creating real time warning system:
  1. Real time data and information flow from related institutions
  2. Solid information sharing and discussion through Disaster Preparedness Situation Analysis Center(PASTIGANA)
- Leading applications are already built and complemented each other by the institutions.
- Willingness to integrate all the available applications that will be realized in the near future → national early warning dissemination
- The development of data and information from **InaRISK**, **InaWARE**, and **InaSAFE** are already available for public.
- PASTIGANA team are already formed and started to develop the work system, validate the data result analysis and prediction.

## Future Initiatives

For future initiatives regarding the development of Preparedness Activities in APEC level, we look for your:

1. Further advice to seek possibilities on the collaboration of customized information of MHEWS for APEC countries and also to identify possible and related fora and/or subfora to be involved in the implemented of MHEWS for APEC region.
2. Further advice to implement and to make contingency plan for APEC region. It will be tested as an exercise (TTX, CPX, FTX, etc.) which involves all stakeholders, including business and industry sectors, to present a comprehensive emergency command system.
3. Further advice to share knowledge and practical experiences in systematically managing disaster risks through preparedness instruments, institutions and the supporting policy regimes.

“Because disaster is everybody’s business”

Further references:  
<https://inarisk.bnpb.go.id>  
<https://mhews.bnpb.go.id>

THANK YOU



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