



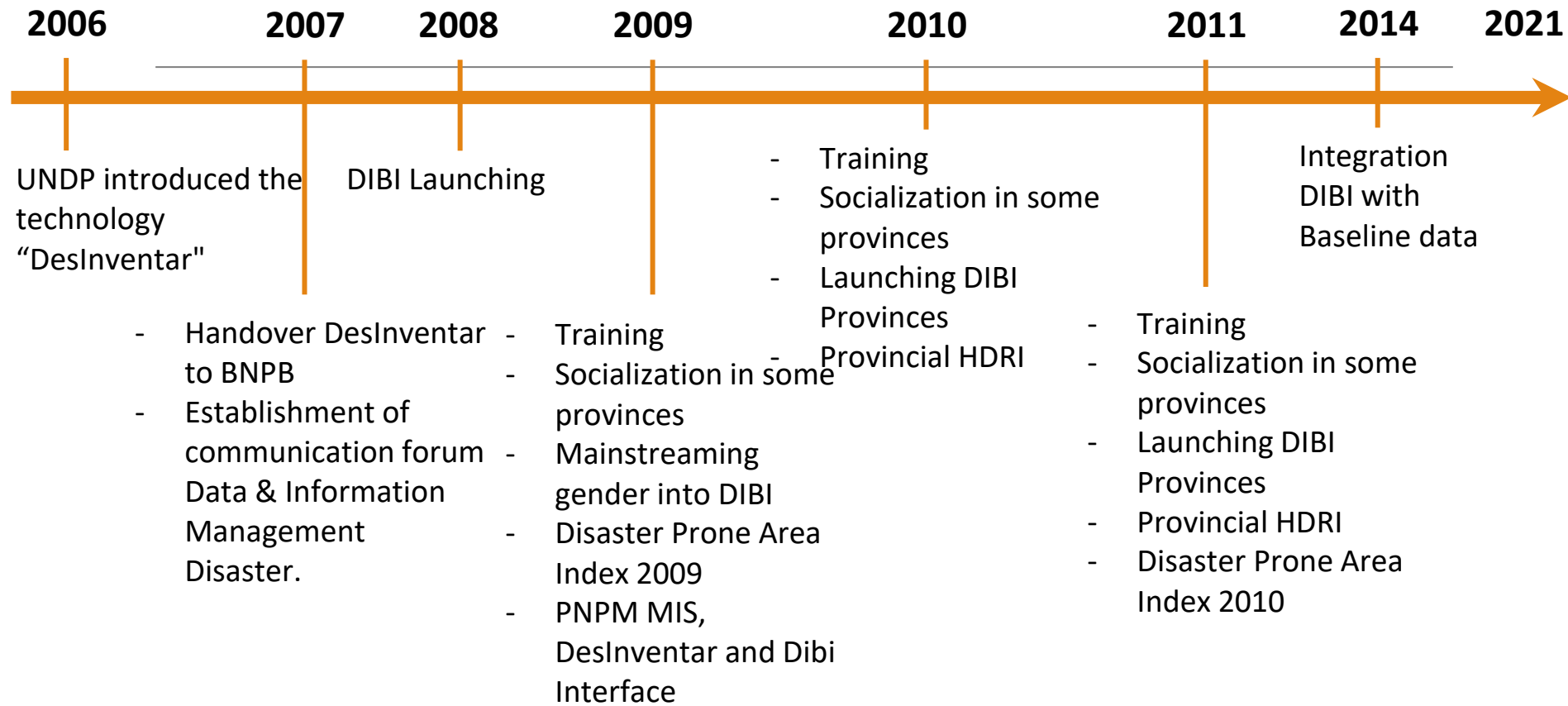
INDONESIA DISASTER LOSS & DAMAGE DATABASE

THE SCOPE OF DATA IN THE DRSF BASIC RANGE OF DISASTER-RELATED STATISTICS

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Information Management Specialist - UNDP/BNPB

Building Disaster Database in **INDONESIA**





- ❓ Name of Database : Disaster Data and Information of Indonesia (DIBI)

- ❓ URL of Database: <http://dibi.bnpb.go.id>

- ❓ Sources of Data : Government of Indonesia

- ❓ Period of Data : 1815 – 2021

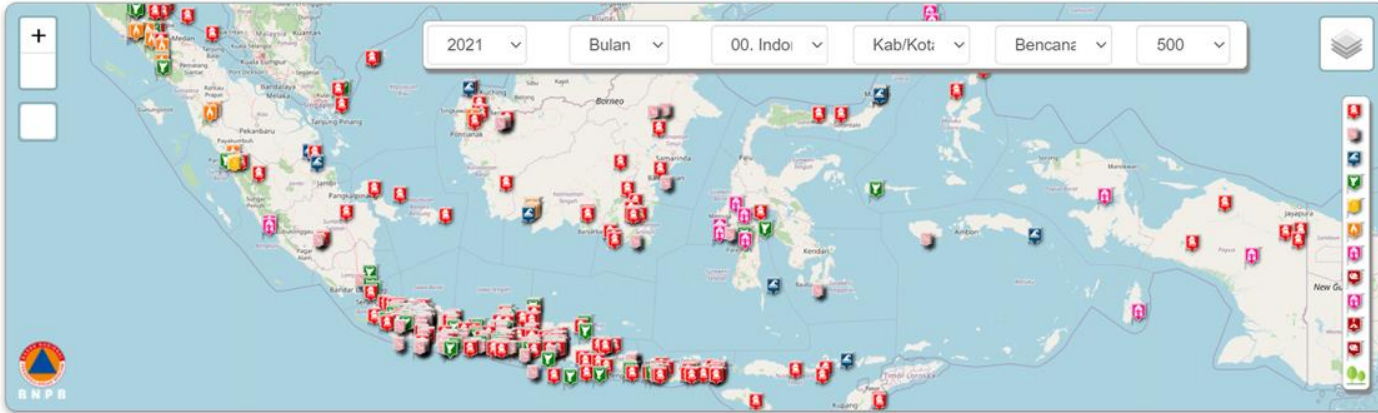
- ❓ Host agency: National Agency for Disaster Management (BNPB)

- ❓ Staff : 1 of Head of Data Information & PR Centre and 23 staffs

- ❓ Data collection: Using paper-based data collection format from government validated data

Indonesian Disaster Information Data

(21) Others, CILACAP, Central Java :: (26-10-2021) Tornado, PATI, Central Java :: (26-10-2021) Others, CILACAP, Central Java :: (26-10-2021) Others, CILACAP, Central Java :: (26-10-2021) Others, CILACAP, Central Java :: (26-10-2021) Others, CILACAP, Central Java

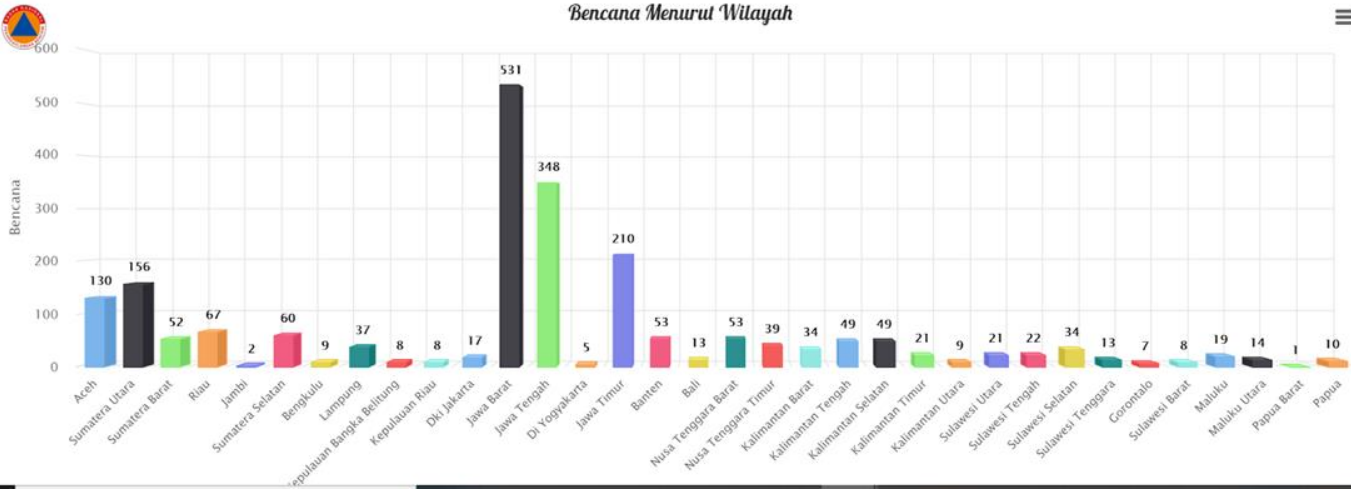


Disaster	
Amount	2,109
Loss	Rp. 1,872,703,155 (million)

Victim	
Die	575
Is lost	69
Wounded	12,883
Suffer	4,336,719
Evacuate	506,670

Damage	
Home	133,327
Education	1,382
Health	348
Worship	1,222
office	501
Fasum	27
Bridge	268
Factory	2

Bencana Menurut Wilayah



Statistics

BY REGION

Home Disaster Data Statistics Reference Login

Casualties and Damage by Region

INDONESIA (By Province)

province Disaster 2021 Month

BY PERIOD

Home Disaster Data Statistics Reference Login

Casualties and Damage by Time

INDONESIA (By Year)

province County/City Year Disaster

Year	Amount	Victim						Damage							
		Die	Is lost	Wounded	Suffer	Evacuate	Amount	Home	Educational Facilities	Medical facility	Worship Facilities	Public facilities	office	Bridge	Factory
1815	1	10,000	0	0	0	0	10,000	0	0	0	0	0	0	0	0

BY HAZARD TYPES

Home Disaster Data Statistics Reference Login

Casualties and Damage by Disaster

INDONESIA (By Province)

province County/City 2021 Month

IN MAP FORMAT

Home Disaster Data Statistics Reference Login

Indonesia Disaster Map

2021 Disaster

- 1. Disaster
- 2. Died
- 3. Lost
- 4. Hurt
- 5. Suffering
- 6. Evacuate
- 7. Home
- 8. Education
- 9. Health
- 10. Worship
- 11. Losses

0 200 400 600

POSI, Pusdatincom, BNPB © Natural Earth

Applications at global and national levels

**Global Assessment Reports (GAR)
on DRR - 2009, 2011, 2013, 2015**

Extensive intensive risk analysis

Disaster risk and poverty analysis

Poverty monitoring

**Allocation of funds based of levels
of risks**

Local disaster management plans

InaRisk (Indonesia)

**Monitoring of indicators of SFDRR
and SDGs**

**Preparation of national, state and district
disaster management plans**

Insights from the analysis

**Monitoring of a range of indicators across
sectors**

**Tracking of allocation by the national
government to districts**

Setting up loss reduction targets

Validation of risk assessment models

**Modelling of potential losses from future
disaster events**

Supporting in-depth research



inaRISK

how risky is your place?

<http://inarisk.bnpb.go.id>



INDONESIA
KAJIAN: HAZARDS (MID-HIGH)

SAVE DATA
WILAYAH

NUMBER OF PROVINCES
28

SAVE DATA
INFRA

SIZE HAZARDS
52.374.614





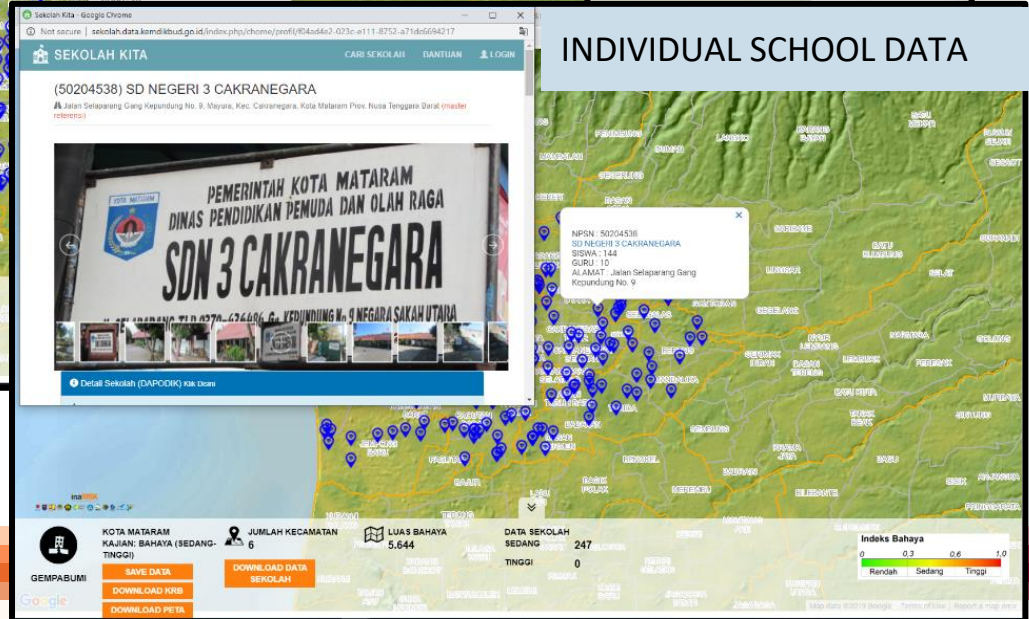
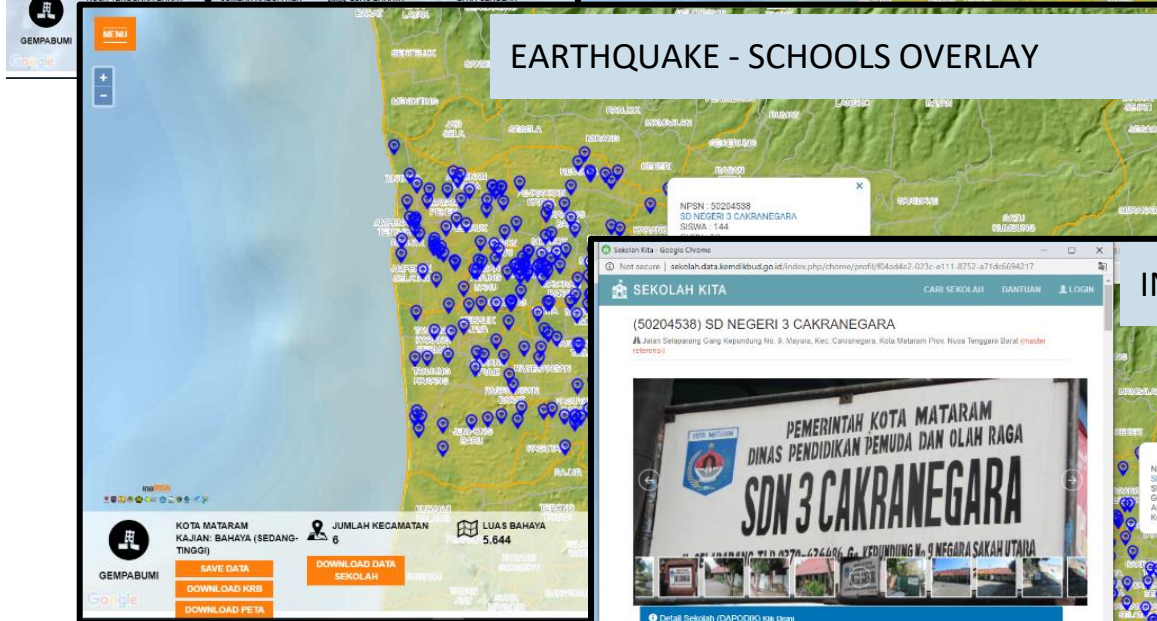
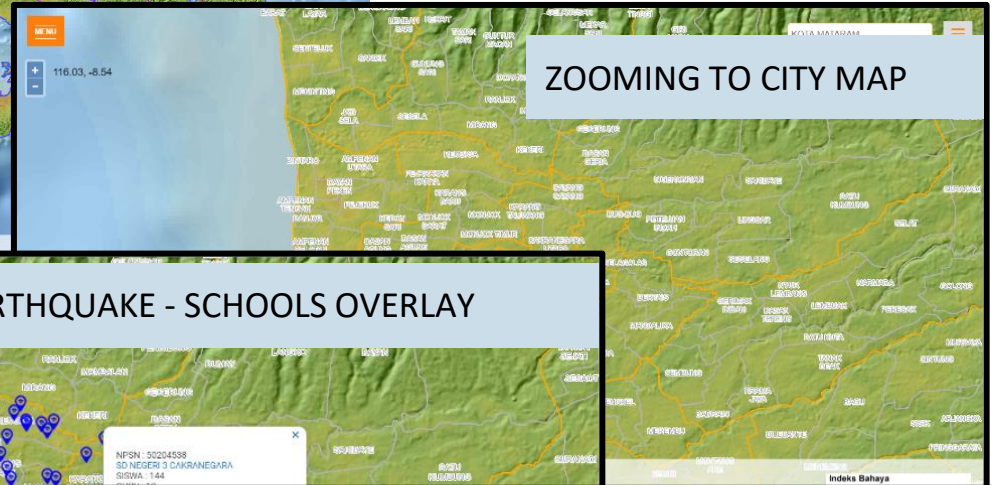
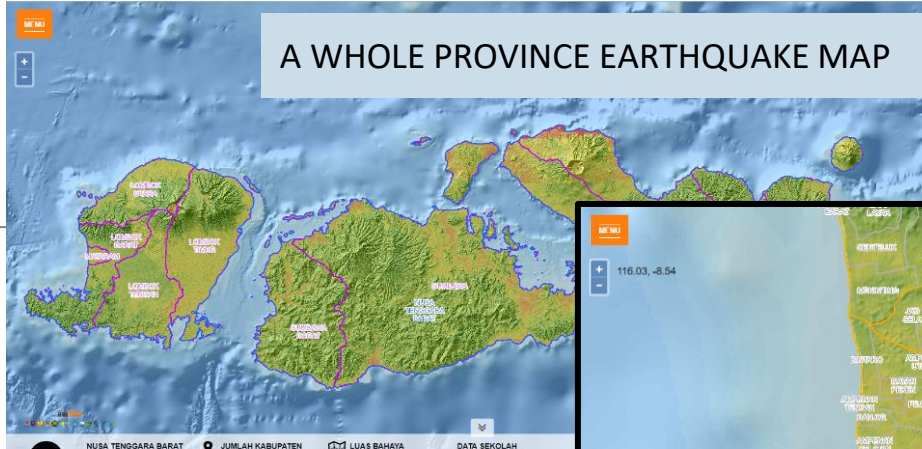
InaRISK is the results of risk assessment portal using ArcGIS server, consists of :

1. Potential hazards
2. Potential population affected
3. Potential physical losses (Rupiah)
4. Potential economic losses (Rupiah) and
5. Potential environmental damage (hectare)
6. Monitoring tool for disaster risk reduction index.

inaRISK as a portal for the sharing of spatial data:

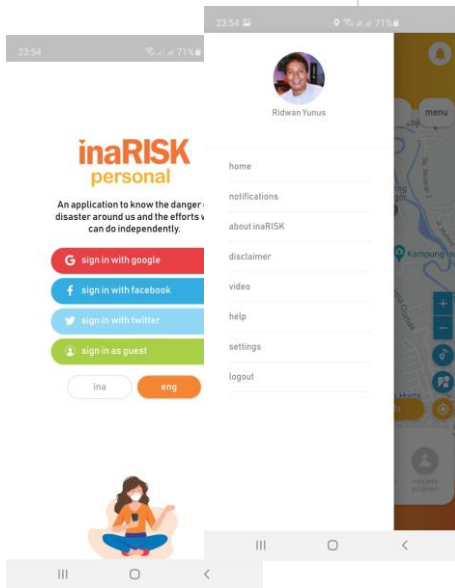
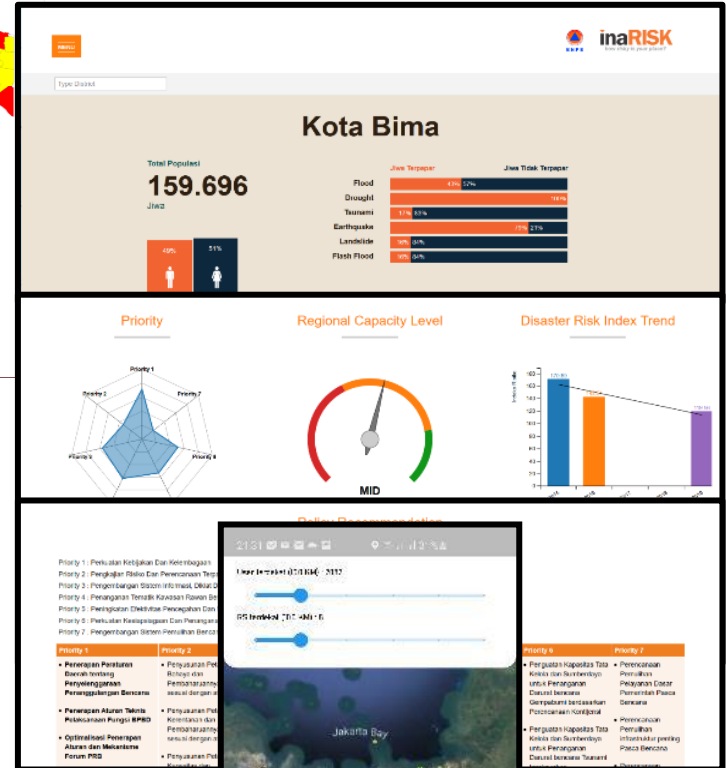
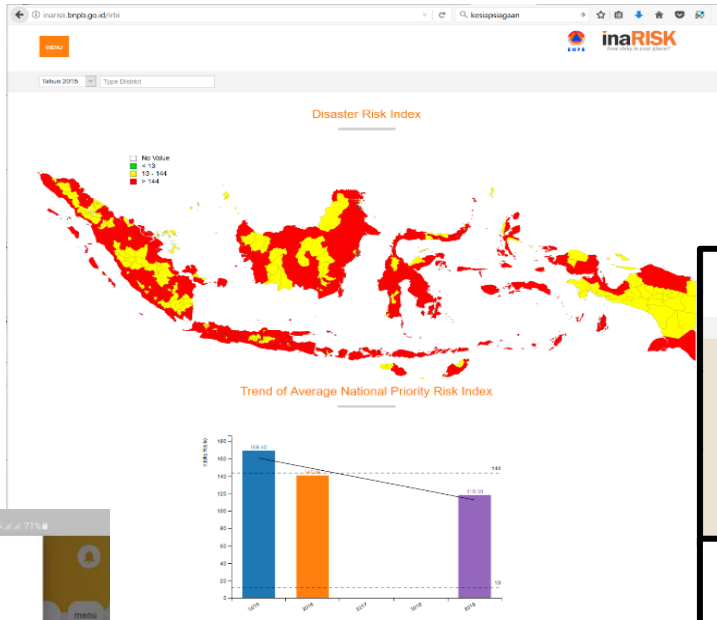
1. Tool dissemination of disaster risk assessments.
2. Support central government, local government, and the parties to strategize the implementation of programs, policies, and activities to reduce disaster risk at the national and sub national levels.
3. Provides spatial data for further analysis, such as MHEWS, Global Centre Disaster Statistics (GCDS), spatial planning, etc.

EARTHQUAKE HAZARD MAP OF EAST NUSA TENGGARA PROVINCE



DISASTER RISK INDEX

DISTRICT DISASTER RISK INDEX

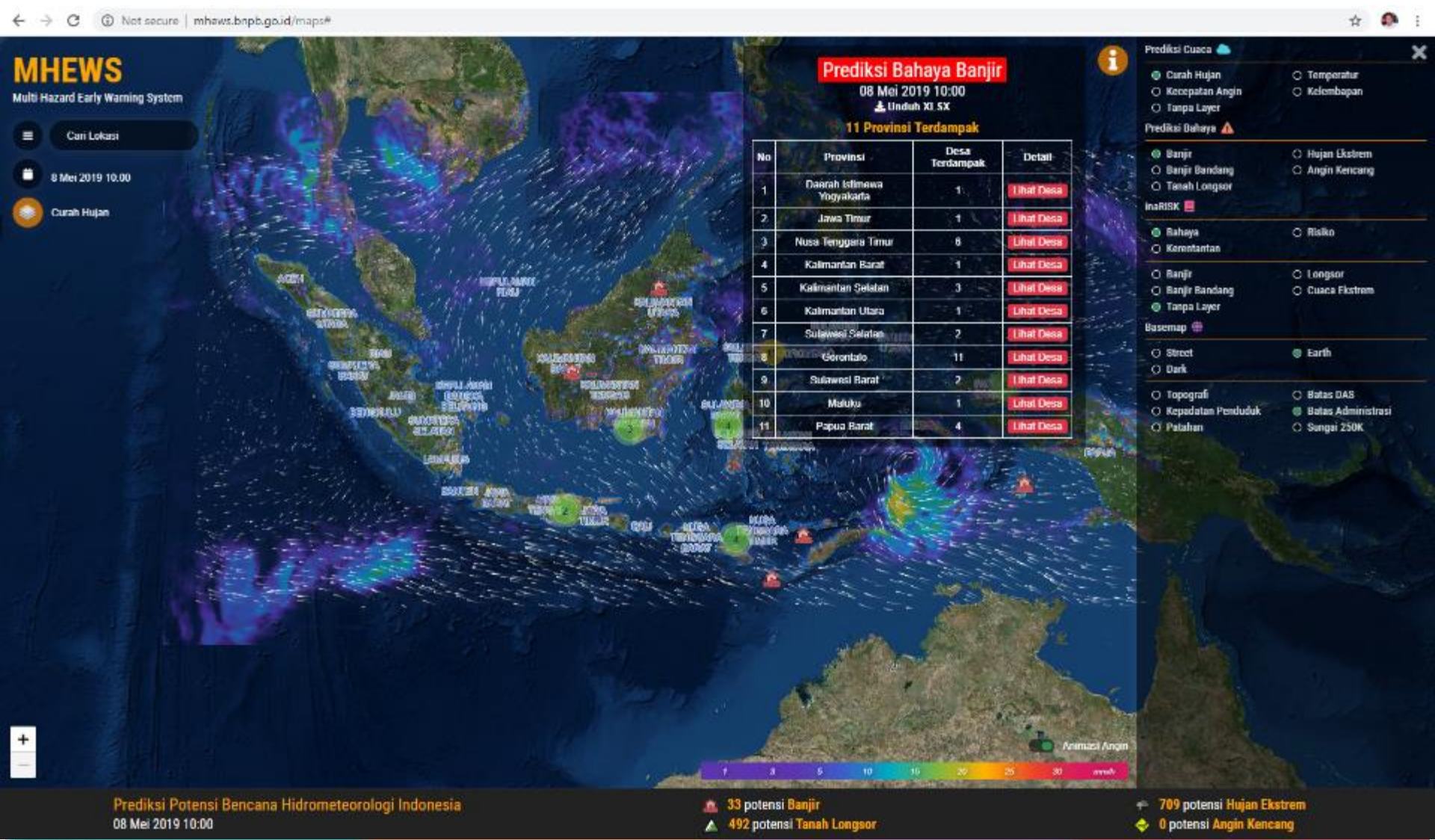


InaRISK Personal/Covid-19

- Individual
- Family
- Communities



INTEGRATED INARISK WITH MULTI HAZARD EARLY WARNING SYSTEM (<http://mhews.bnppb.go.id>)



INTEGRATED INARISK WITH CRISIS CENTER OF THE MINISTRY OF HEALTH (<http://pusatkrisis.kemkes.go.id/spasial>)

The screenshot displays the INARISK web application interface. The browser address bar shows the URL pusatkrisis.kemkes.go.id/spasial/#. The main content area features a map of Southeast Asia, including Thailand, Vietnam, Cambodia, Philippines, Malaysia, Singapore, Brunei, Indonesia, and Papua New Guinea. The map is color-coded to show risk levels. On the left side, there is a sidebar titled "Jenis Bencana" (Disaster Types) with a grid of icons representing various disaster types such as Flood, Earthquake, Tsunami, and others. Below the icons is a "Kajian" (Study) section with a "Submit" button. The bottom right corner of the map area contains the logo of the Indonesian Ministry of Health (KEMENTERIAN KESEHATAN REPUBLIK INDONESIA) and the Pusat Krisis Kesehatan (National Crisis Center for Health). The footer of the page includes the copyright notice "© 2018 Pusat Krisis Kesehatan Kementerian Kesehatan Republik Indonesia" and the date "9:25 AM 6/7/2018".

RISK ASSESSMENT OUTPUT IN INDONESIA?

Risk distribution in spatial view

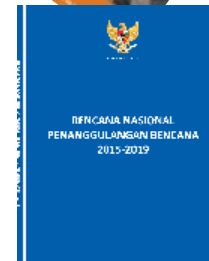
Number of potential exposure

- Population
- Economic
- Environment



Recommendation actions on specific location

1. Indonesia Risk Map

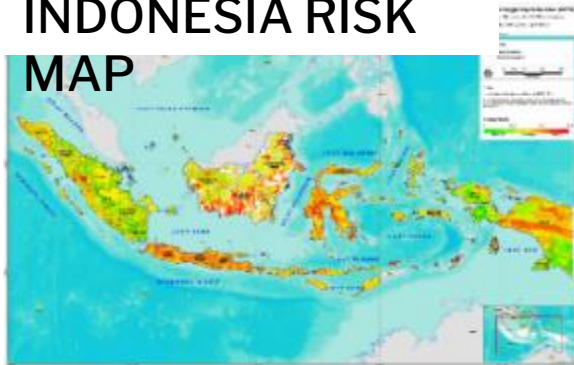


2. Indonesia Risk Index



RISK ASSESSMENT OUTCOME

INDONESIA RISK MAP

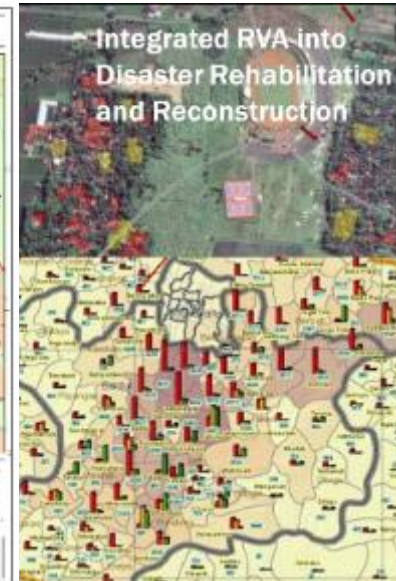
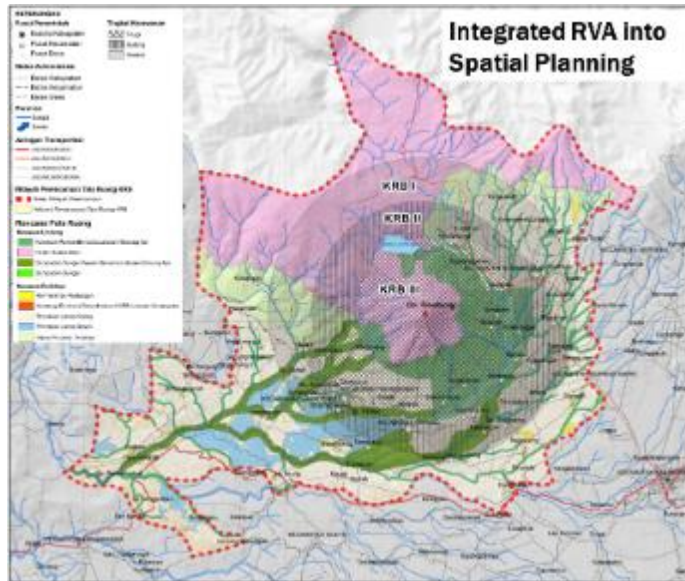


Small scale : 250 K/50 K/25K

- Spatial Planning
- Planning Disaster Management Plan
- Disaster Risk Index

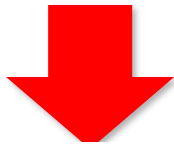
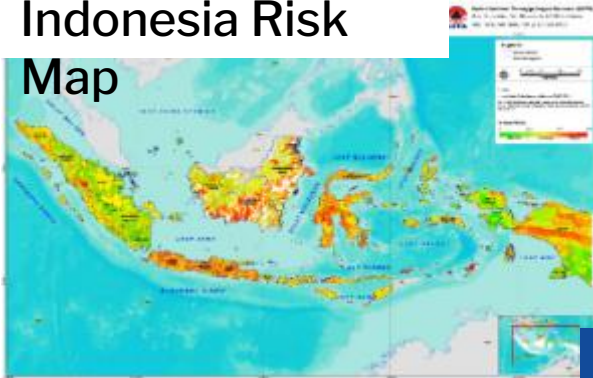
Large scale : 10 K/5 K

- Evacuation plans
- Rehabilitation and reconstruction

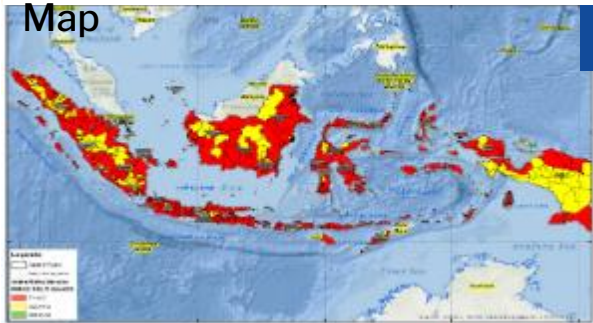


RISK ASSESSMENT OUTCOME

Indonesia Risk
Map



Indonesia Disaster Risk Index
Map



...based on the request of the Ministry of Finance, as the basis for determining the priority of the Special Allocation Fund for Disaster Management, BNPB produce Indonesia disaster risk index (IRBI 2013) for nine types of threats (multi-hazard).

IRBI 2013 is also used as a target in the National Medium Term Development Plan 2015-2019

Goal:
Lowering the Disaster Risk Index in the centers of economic growth at high risk

SUPPORT IMPLEMENTATION DISASTER LOSS DATABASE

- Indonesia : <https://dibi.bnppb.go.id>
- Cambodia : <http://camdi.ncdm.gov.kh>
- Myanmar : <http://www.mdld-rrd.gov.mm>
- SriLanka : <http://www.desinventar.lk:8081>
- Philippines : offline
- Maldives : <https://ndmc.desinventar.egov.mv>
- Nepal : <https://www.desinventar.net>
- Papua New Guinie : offline
- Timor Leste : <http://tlld.mss.gov.tl>
- Mauritius : offline
- Laos : <https://www.desinventar.net>

Thanks for your attention!



Invest today
for a safer tomorrow