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
UNDP introduced the technology "DesInventar" in 2006.

- Handover DesInventar to BNPB
- Establishment of communication forum Data & Information Management Disaster.

2007

DIBI Launching

- Training Socialization in some provinces
- Launching DIBI Provinces
- Provincial HDRI

2008

Training Socialization in some provinces

2009

Mainstreaming gender into DIBI Disaster Prone Area Index 2009

- PNPM MIS, DesInventar and Dibi Interface

2010

- Training Socialization in some provinces
- Launching DIBI Provinces

- Disaster Prone Area Index 2010

2011

Integration DIBI with Baseline data

2014

- Disaster Prone Area Index 2010

2021

- Disaster Prone Area Index 2010
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
Applications at global and national levels


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
http://inarisk.bnpb.go.id
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)

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.
InaRISK Personal

- Individual
- Family
- Communities
INTEGRATED INARISK WITH MULTI HAZARD EARLY WARNING SYSTEM (http://mhews.bnpb.go.id)
INTEGRATED INARISK WITH CRISIS CENTER OF THE MINISTRY OF HEALTH (http://pusatkrisis.kemkes.go.id/spasial)
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

Integrated RVA into Spatial Planning

Integrated RVA into Disaster Evacuation Routes

Integrated RVA into Disaster Rehabilitation and Reconstruction
...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
- Indonesia: [https://dibi.bnpb.go.id](https://dibi.bnpb.go.id)
- Myanmar: [http://www.mdld-rrd.gov.mm](http://www.mdld-rrd.gov.mm)
- Philippines: offline
- Maldives: [https://ndmc.desinventar.egov.mv](https://ndmc.desinventar.egov.mv)
- Nepal: [https://www.desinventar.net](https://www.desinventar.net)
- Papua New Guinea: offline
- Mauritius: offline
- Laos: [https://www.desinventar.net](https://www.desinventar.net)
Thanks for your attention!

Invest today for a safer tomorrow