

Seismic Hazard Map of Indonesia 2016/2017 (in progress)

Team for Updating of Seismic Hazard Maps of Indonesia 2016



National Disaster
Management Authority



Ministry of
Public Works

Supported by:



Ministry of
Public Works

Australian
Aid



BNPB

AUSTRALIA-INDONESIA
FACILITY FOR
DISASTER REDUCTION



Ministry of Energy+
Mineral Resources



ITB



Bureau of Meteorology,
Climatology,
Geophysics



Indonesia
Research Institute



Agency for the
Assessment and Application Geospatial Information
of Technology



University of
Gajah Mada



University of
Diponegoro



Indonesian Society for
Geotechnical Engineering

Seismic Hazard Map of Indonesia 2016/2017 (in progress)

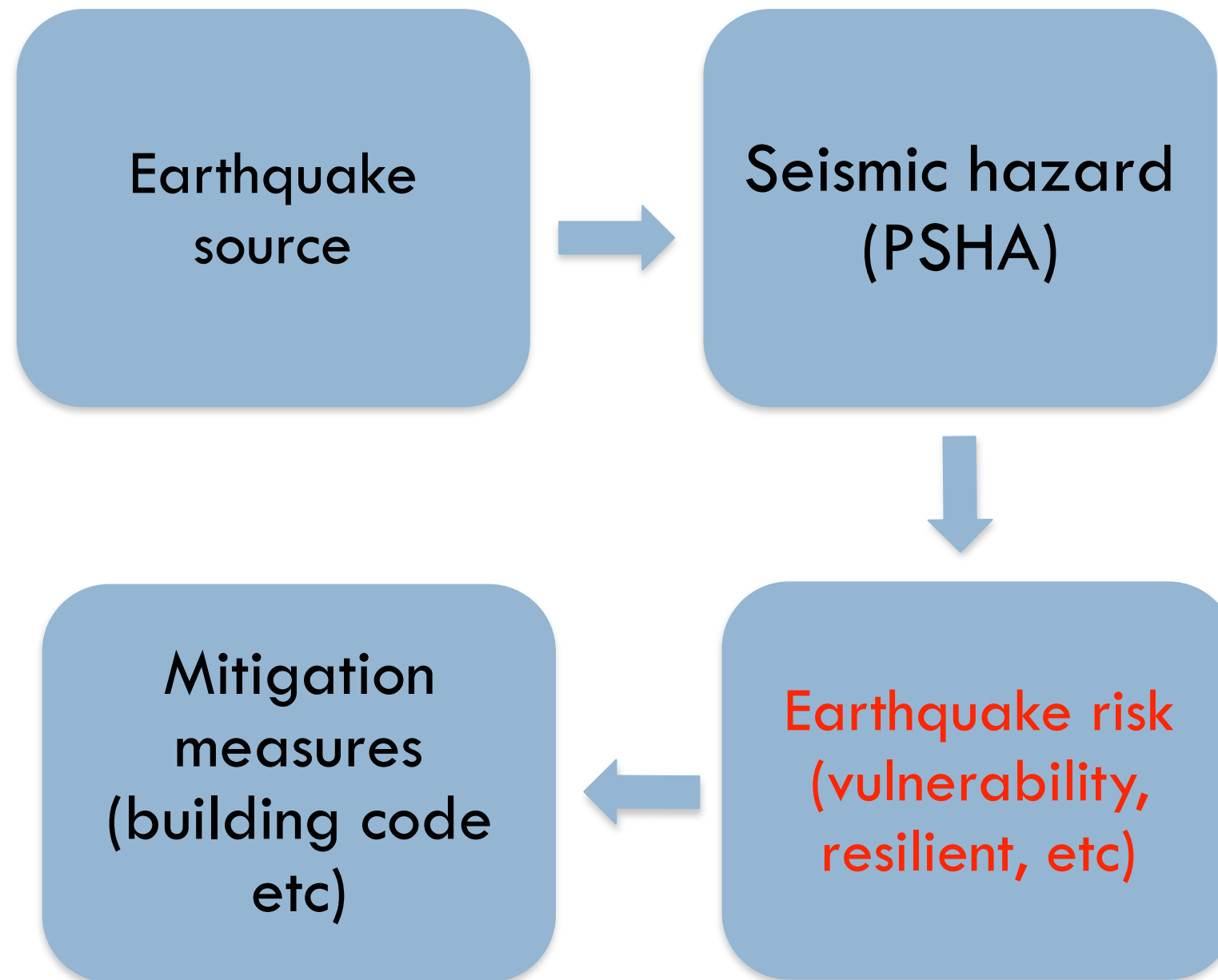
Collaboration with International Research Centers:



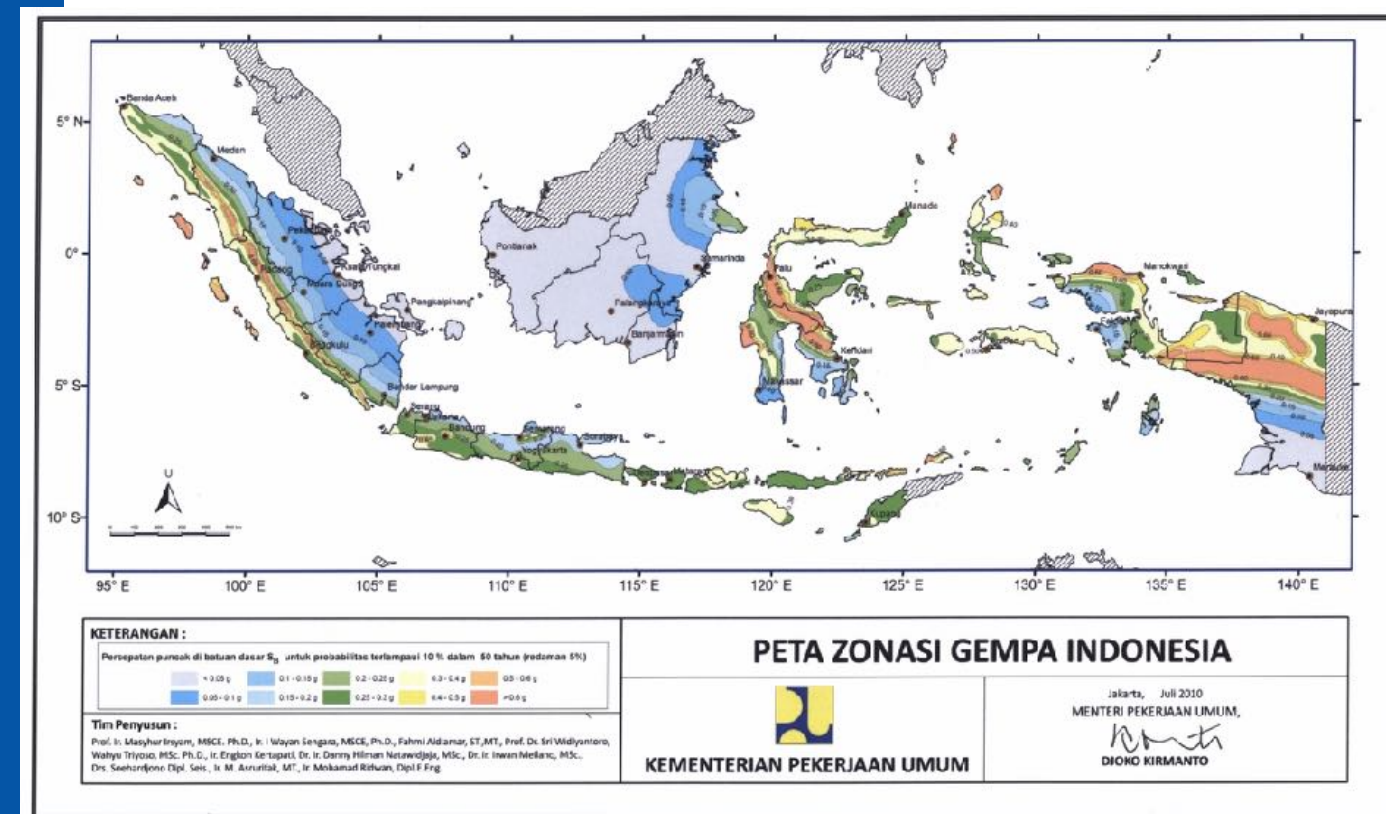
**Software: USGS, EZFRisk , and OpenQuake softwares
for comparison and verification**

- **Maps of Earthquake Sources for Indonesia is being finalized**
- **Maps of Seismic hazard of Indonesia 2016 is being calculated**

Strategy for Earthquake Risk Reduction

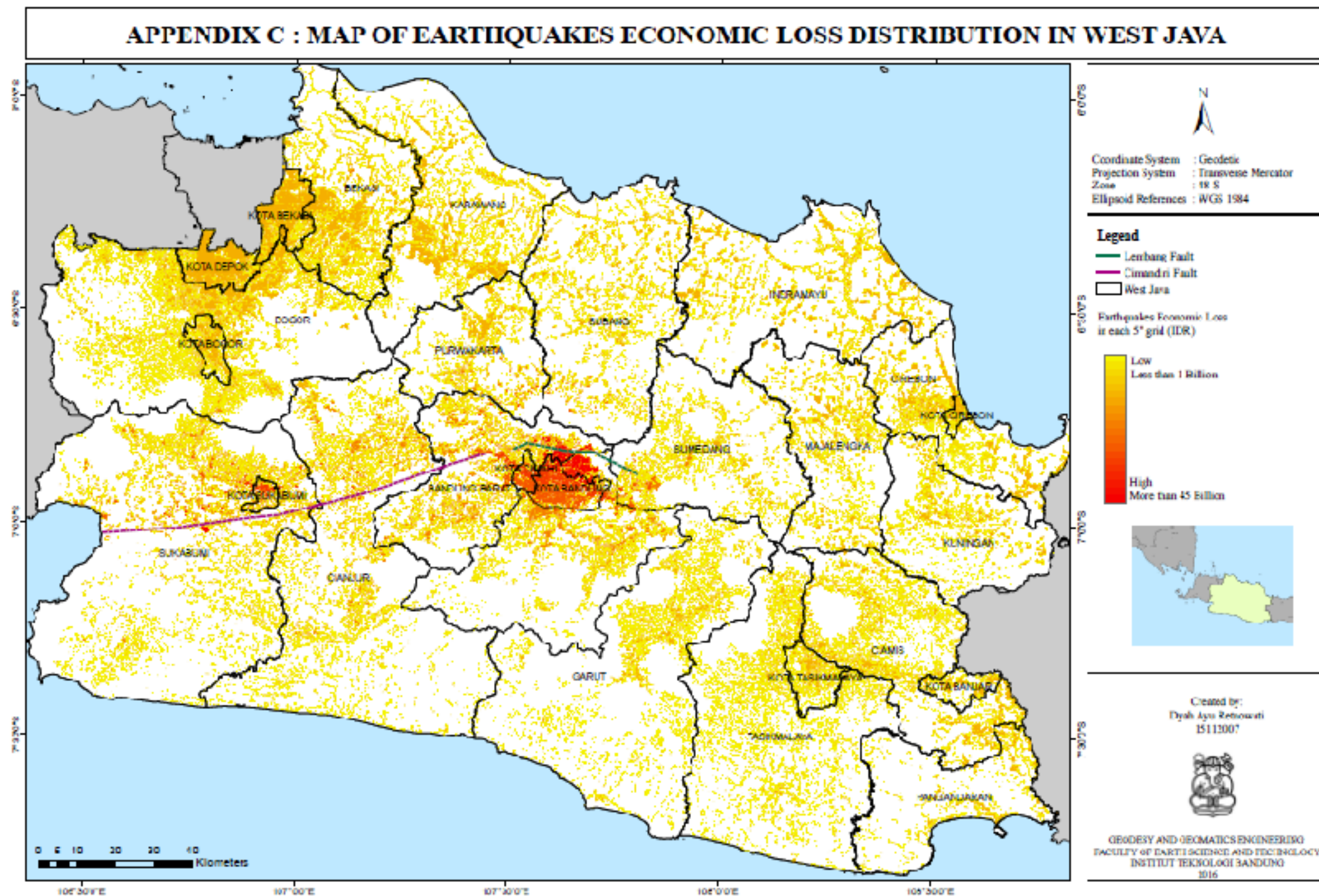


Indonesia Disaster Risk Index

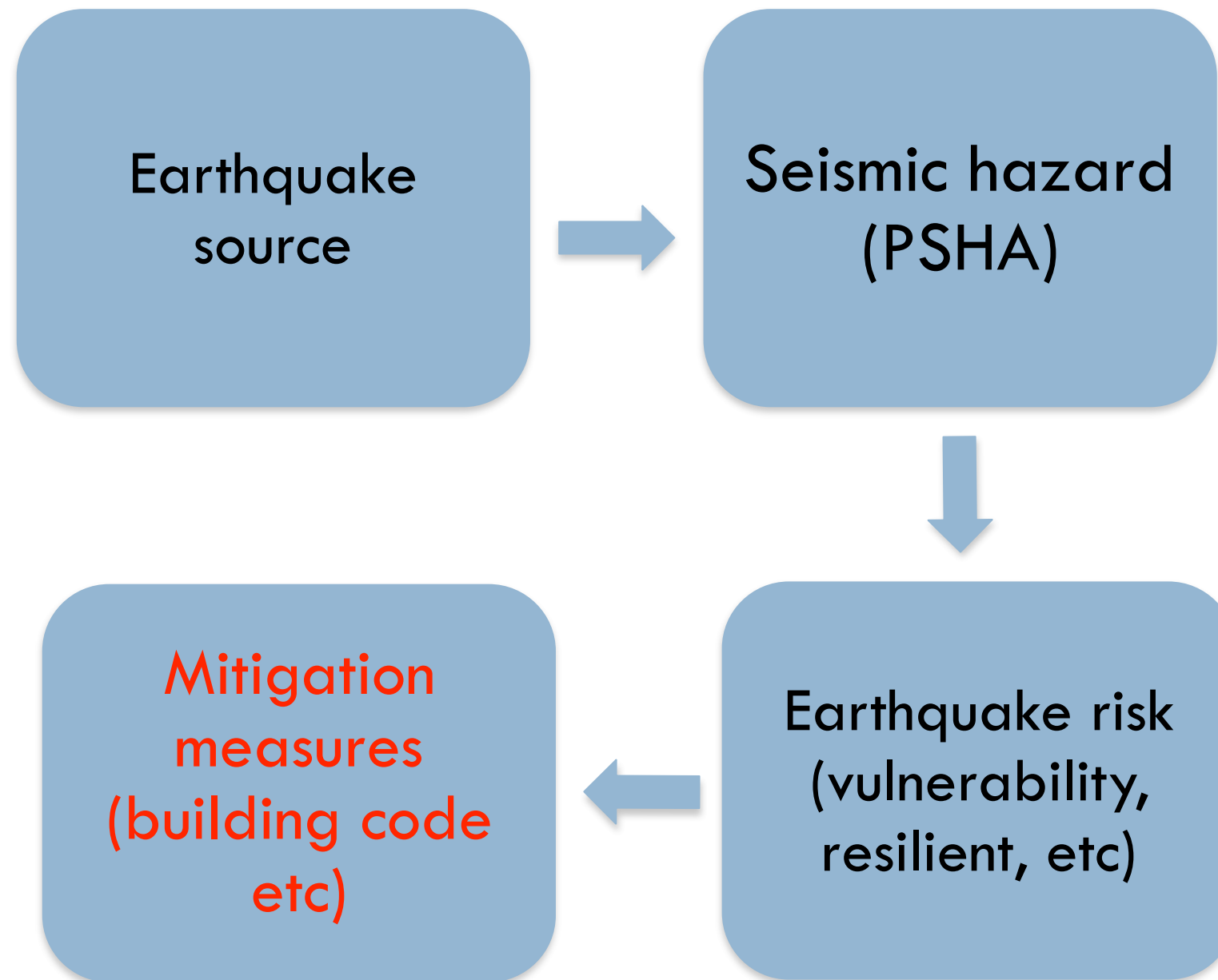


BNPB, 2014

Indonesia Disaster Risk Index : Province



Strategy for Earthquake Risk Reduction



Building code : dams



Refer to USBR:

**Probabilistic: 50, 100, 200, 500 1000, 2.500, 5.000, 10.000 yrs
+ Deterministic 84%**

For checking the safety of existing large dams: 5,000 and 10,000 years earthquake

Irsyam, 2015

Building code: Port, harbours and railways



**Ports and
harbours**

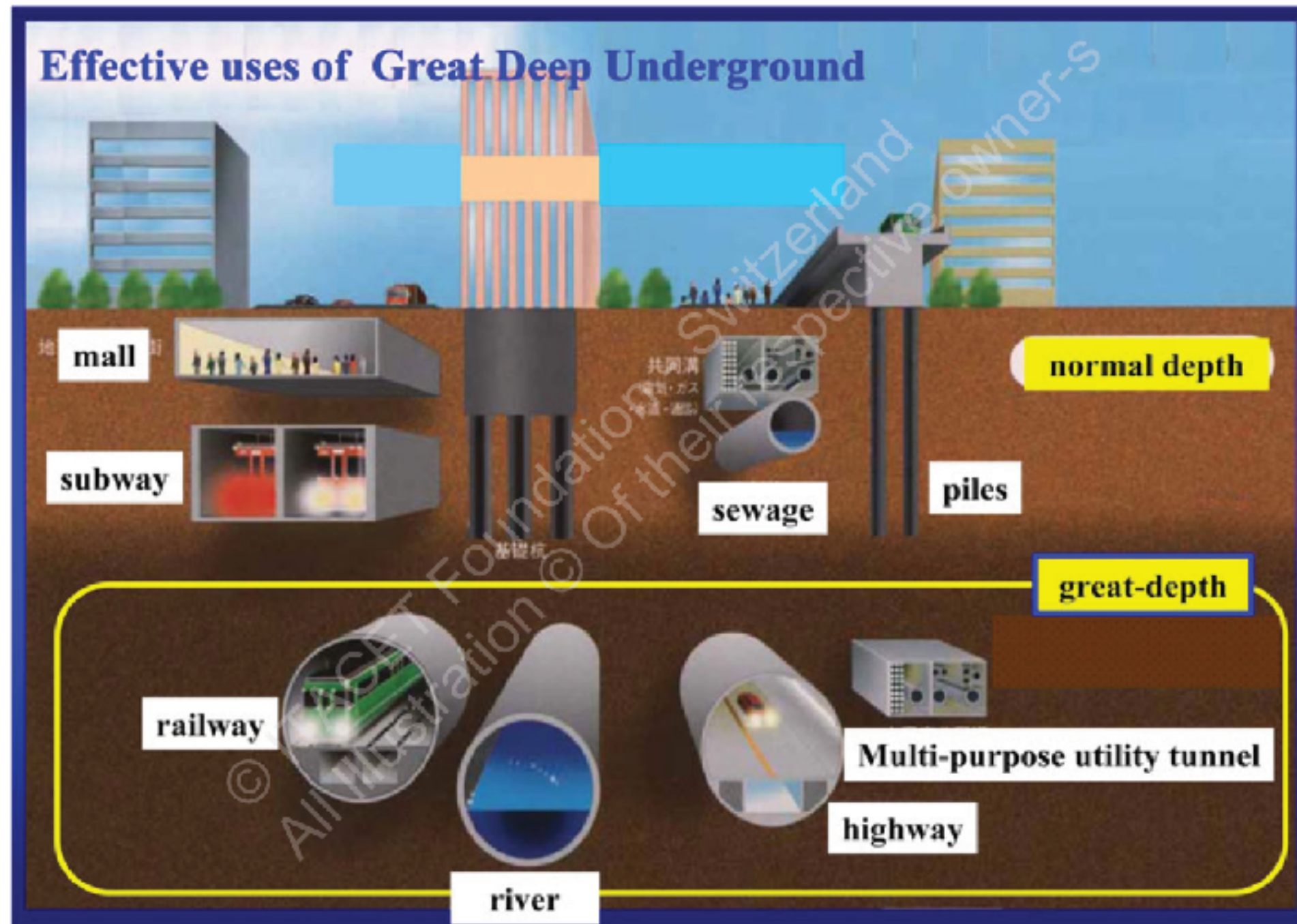


**Railway
bridges**

Design Earthquake: 500 yrs

Irsyam, 2015

Building code : MRT



Design Earthquake: 1.000 yrs

Irsyam, 2015

Building code : Nuclear reactor

Indonesia to Build Mini Nuclear Power Plants



Siska Amelie F Deil
05 Des 2014, 17:30 WIB



Total
11



Ilustrasi Pembangkit Listrik Tenaga Nuklir. (Foto: baten.go.id)



Liputan6.com, Jakarta As energy reserves becoming scarce, the government feels the need to construct nuclear power plant (PLTN) for its substitution. The Minister of Research

<http://global.liputan6.com/read/2143361/indonesia-to-build-mini-nuclear-power-plants>

Design Earthquake: 10.000 yrs

Irsyam, 2015

The 2nd Symposium on JASTIP Disaster Prevention International Cooperation Research 2017, Kyoto, **Irwan Meilano**