



Technical Deep Dive on Seismic Risk and Resilience March 12 – 16, 2018 Tokyo, Sendai and Kobe







# Malawi's Key Takeaways from TDD

- 1. Seismic risk reduction, just like other risks, requires investment and prioritization
- 2. Effective building regulations that are enforced are key to seismic resilience
- 3. Taking stock of previous disasters, learning from them and doing things differently based on the lessons learnt
- 4. Seismic resilience requires working with multiple stakeholders with different expertise: local and national government, academia, research institutions, private sector, development partners, NGOs, media, communities, professional bodies, professional institute etc.
- 5. Utilizing multiple ways of communicating to public and among actors
- 6. Capacity building across the board, tailor-made for different players





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- 1. Capacity of key players built for seismic risk management
- Seismic hazard mapping finalized to guide design of programmes, support design and implementation of regulations
- 3. A nation aware of seismic risk, including what to do to mitigate, prepare and respond to seismic risk
- 4. Building Act in place
- 5. Building regulations that integrate resilience finalized (process underway)







## Malawi Actions to be Taken



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## <u>Short-term (1 – 6 months):</u>

- Undertake stakeholder mapping/analysis
  - Lead: Department of Disaster Management Affairs (DoDMA), Department of Geological Surveys (DGS), Dept. of Buildings
- Develop seismic risk communication strategy and undertake public awareness
  - Lead: DoDMA, DGS, Min. of Information, Dept. of Buildings
- Capacity assessment/mapping
  - Lead: Dept. of Buildings/DGS
- Participate in regional workshop to learn/share experiences and develop roadmap
  - Lead: World Bank, Dept. of Buildings, DoDMA





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## Malawi Actions to be Taken



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### Medium-term (7 months to 2 years):

- Capacity building and institutional strengthening (buildings legislation, seismic monitoring)
  - Lead: DGS, DoDMA, Department of Buildings
- Finalize building regulations
  - Lead: Department of Buildings
- Undertake seismic risk mapping/assessment
  - Lead: Department of Geological Surveys
- Develop Buildings Regulations
  - Dept. of Buildings
- Develop a Buildings Act
  - Lead: Department of Buildings

### Long-term (over 2 years):

- Review curriculum at primary, secondary and tertiary levels to integrate seismic risk and support long-term training programmes
  - Lead: DGS, Dept. of Buildings, DoDMA
- Investment in seismic monitoring systems (eg. equipment)







Barrier/Challenge of Implementation of Plan









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#### World Bank:

- Support requested for ff. country-driven initiatives:
  - regional workshop on experience sharing and developing roadmap
  - seismic risk communication strategy and conduct public awareness
  - capacity assessment on seismic risk (identification, monitoring, early warning, etc)
  - seismic risk mapping
  - buildings act and building regulations

#### **TDLC Program**

- Facilitate learning, through exchange of knowledge and experience
- Technical support in designing of programmes (awareness, regulations, Act, etc)

#### Knowledge Products (Case Studies, Policy Notes, etc.)

- Previous/current samples of building regulations/Acts that have integrated resilience
- Reports on previous/current processes to undertake related work: legislation, hazard mapping, capacity assessment
- Public awareness kits on seismic risk





