

Earthquake Evidence in Indonesia

インドネシアの地震

Last earthquake: 04 June 2012 at 18.18 Sukabumi area with 24 km depth and energy 6.1 Ritcher Scale.

Aceh case

Year 2007: $_{(6,3 \text{ SR}: 1) \text{ 27/4/07 8:02:49.6}}$ 27 times > 5 s/d 6,3 SR

Year 2008 : 27 times > 5 s/d 7,5 SR

(7,5 SR: 1) 20/02/10 8:08:30.

Year 2009 : 28 times > 5 s/d 5,8 SR

5,8 SR: 4/1/09 20:22:34.0)

Year 2010 : 15 times> 5 s/d 7,2 SR

(7,2 SR: 1) 9/5/10 12:59:41.0 dan 2) 12/6/10 02:26:16.0)

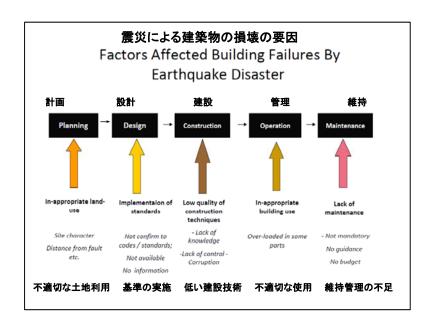
Year 2011: 5 times > 5 s/d 5,7 SR Year 2012: 26 times > 5 s/d 8.5 SR

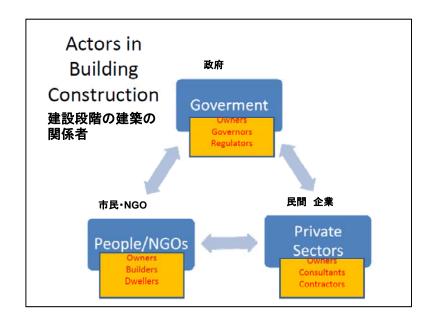
2012年 26回 リヒタースケール 5以上 最大 8.5

Sumbar RMKG & Parsonal Reaport

Munleyanayah 2012







人間居住研究所の役割 Roles of RIHS

- R & D for producing technologies & draft of policies
- Establishing Standards, guidance & manuals;
- Dissemination of technologies & Standards, guidance & manuals;
- · Giving technical advices.
 - 生産技術の研究開発と政策の原案
 - 基準、マニュアルなどの作成
 - ・基準やマニュアルの普及
 - 技術の指導



対象とするグループ Target Groups

- Central & Local Government officials
- · Consultants including universities;
- Contractors;
- Student in any level;
- NGOs

- 中央と地方政府の職員
- 大学を含むコンサルタント建設業者
- Ordinary peoples.
- ・あらゆる段階の学生
- NGO
- 一般の人々

意識の向上方策 Methods of Raising Awareness

メディア、印刷物、テレビなどを通じた社会化

- Socialization through media, printed, television etc.
- Focus on the importance of following standards, application of appropriate technologies;
- · Wide range of target groups;
- Using more popular language than technical/scientific sentences;
- · More animations.



戦略のプロセス Strategy Process

- Methods of Raising Awareness
- Methods of Raising Interest
- Methods of Moving Individuals to Seek Out Information
- · Methods for Decision-Making
- Methods to Move Individuals to Action.
 - ・ 意識の向上方策
 - 関心の向上方策
 - 情報を探す動機付け
 - ・判断の方法
 - 行動を起こす方法

意識の向上方策

Methods of Raising Awareness

- ・ 地震地帯の都市の関係者へのプレゼンテーション
- Presentation for stake holders in earthquake hazardous cities;
- Focus on the importance of following standards, application of appropriate technologies;
- · Selected range of target groups;
- Using more popular technical/scientific language
- · More technical presentation.



Methods of Raising Interest

関心の向上方策

- Improving the dissemination materials with a more practical examples
- ・ より具体例を使った普及の改善





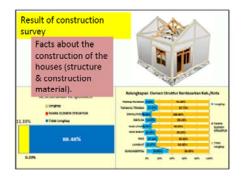
関心の向上方策

Methods of Raising Interest

 Getting closer to the target groups, understanding the problems and try to solve together ・対象グループと一緒になって問題を理解し、解決を模索する。 地震地帯における社会化



情報を探す動機付け Methods of Moving Individuals to Seek Out Information



住宅建設(構造と建設材料)の実態調査の結果

情報を探す動機付け

Methods of Moving Individuals to Seek Out Information



After people understand, they propose to get building permit, government approved the proposals

行動を起こす方法

Methods to Move Individuals to Action.

- Intensive training
- 集中的なトレーニング



Transfer the knowledge from experts to the government officials, consultants, contractors in the form of Training for the Trainers

判断の方法

Methods for Decision-Making

- Bottom-up Vs Top-down
- More democratize
- Involvement of informal leaders



- ・ ボトムアップとトップダウン
- より民主的に
- インフォーマルな指導者の参画

行動を起こす方法

Methods to Move Individuals to Action.

- Consistency on guidance
- ・ 指導の一貫性





行動を起こす方法

Methods to Move Individuals to Action.

- · Consistency on guidance
- 指導の一貫性





行動を起こす方法

Methods to Move Individuals to Action.

- · Apply together & give intensive technical advices
- ・ いっしょに適用し、集中的に技術指導する。



Assist the carpenters and workers in applying good building construction system

耐震住宅のモデル例 Some model earthquake resistant



おわりに

Closing Remarks

- Since Indonesia lies in the earthquake disaster prone area, technologies, standards, guidance as well as draft of policy had been developed to support the earthquake safer condition;
- Since the target groups are various, the dissemination strategies developed are different from one to each other target group in the step of raising awarness, raising interest, moving individuals to seek out information, decision making and move individuals to action;



Thank you どうも ありがとう ございます

Domo arigatou gozaimasu

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