



Risk-based land-use guide: Safe use of land, based on hazard risk assessment

Figure 2. Figure 2. Land-use risk management sequence of knowledge requirements and actions

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2015

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 doi:10.4095/295981

This publication is available for free download through GEOSCAN (<http://geoscan.nrcan.gc.ca/>)

Recommended citation

Struik, L.C., Pearce, L.D., Dercole, F., Shoubridge, J., van Zijll de Jong, S., Allan, J.D., Hastings, N.L., and Clague, J.J., 2015. Risk-based land-use guide: Safe use of land based on hazard risk assessment; Geological Survey of Canada, Open File 7772, 79p + appendices. doi:10.4095/295981

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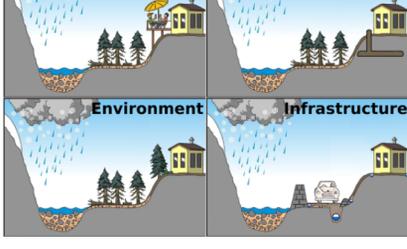
Get Mandate and Assemble Team

Get a mandate for risk management and put together a team to make it happen



1.0 Establish Your Needs

1.1 Define desired outcomes and priorities



1.2 Acquire needed information and resources, including expertise, risk-reduction tools, regulations, and processes

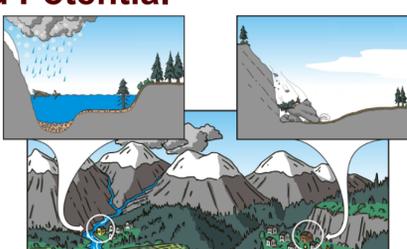


1.3 Define community tolerance for risk for each community priority

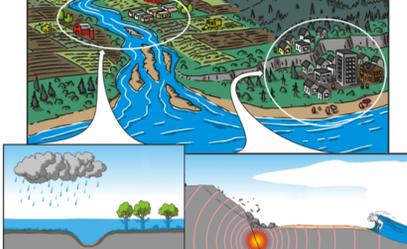


2.0 Define Hazard Potential

2.1 Identify hazards of concern, be they natural or man-made



2.2 Assess potential that events from such hazards of concern will happen



3.0 Identify What Could Be Harmed

3.1 Identify the amount that people and things are exposed to the hazard

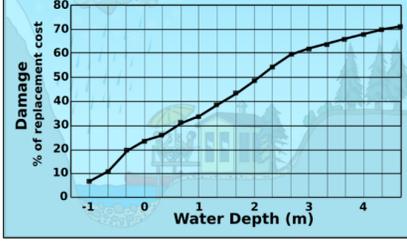


3.2 Determine how much the people and things exposed to harm in a hazard event



4.0 Calculate Potential Losses

4.1 For probable hazards of concern, determine the amount of losses (consequences) that result from people and things exposed to a potential event



5.0 Recommend Safe Land-use

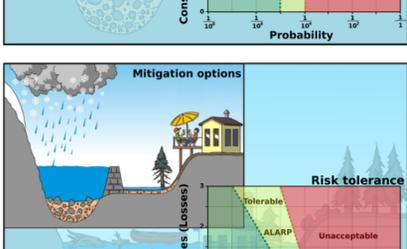
5.1 Evaluate if potential losses are acceptable



5.2 If necessary, determine how to reduce potential losses to acceptable levels, and evaluate the cost-benefit of those actions



5.3 Make development recommendation that has acceptable risk



6.0 Monitor Decision Success

6.1 Determine if the completed development actually has acceptable risk as planned



6.2 Determine if the completed development continues to have acceptable risk throughout its lifespan, and has not transferred risk elsewhere



6.3 Determine which decisions would have better achieved sustainable acceptable risk, share that knowledge, and incorporate it into future policy

