

# Type B: Individual existing landslide

#### **Questions:**

- 1. What is the probability of failure?
- 2. What would be the consequences of a failure



## Available tools:

- Stability analysis (deterministic or probabilistic)- does not provide temporal probability of failure
- Deformation or runout analysis (deterministic)

# Type C: Landslide susceptibility zoning

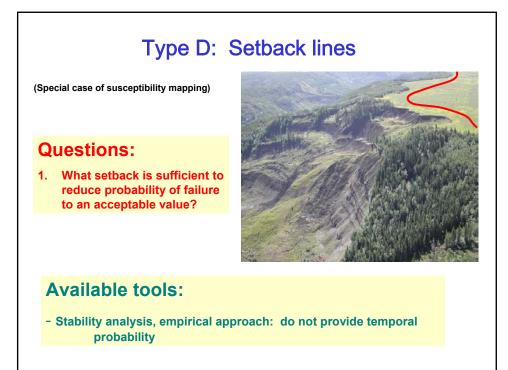
#### **Questions:**

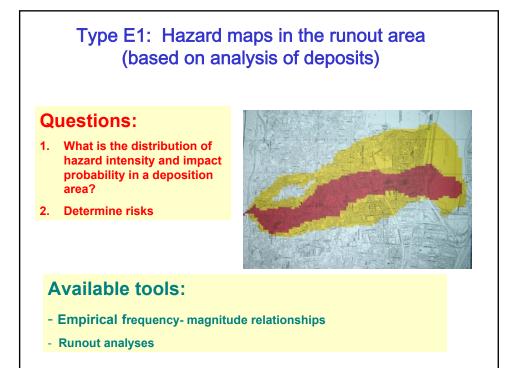
- 1. What is the distribution of landslide susceptibility?
- 2. How should land use be controlled to minimize hazard and risk?



### **Available tools:**

- Susceptibility mapping methods: subjective geomorphic, parameter correlations, objective correlations, analytical methods: GIS-based -(cf. Soeters and VanWesten in "Landslides")





# Type E2: Hazard maps in the runout area (based on analysis of landslide sources)

## **Questions:**

- 1. What is the distribution of hazard intensity and impact probability in a deposition area?
- 2. Determine risks



# Available tools:

- Methods of susceptibility mapping
- Empirical frequency- magnitude relationships
- Runout analyses