



# ELEMENTS EXPOSED TO HAZARDS



## Hazard

*A process, occurrence, or human actions that could lead to loss of life, injury or other health consequences, damage to property, social and economic disturbance, or endanger to the environment*

*It is distinguished by its place, intensity or magnitude, incidence, and probability.*

*It can be discrete, sequential, or combined.*

## Vulnerability

*The elements defined by physical, social, economic, and environmental factors or methods that increase the susceptibility of a person, a society, properties, or systems to the consequences of hazards*

*Examples include defective design and structure of buildings, poor safekeeping of assets, absence of public awareness, outstanding levels of poverty, limited official acknowledgment of risks and readiness measures, disregard for wise environmental management or weak institutions, and governance.*

## Exposure

*The circumstances in unsafe surroundings of human beings, facilities, infrastructure, production capacities, and other tangible human properties located in hazard-prone areas*

*These may be matched with the distinct vulnerability and capacity of the exposed elements to a specific danger to estimate the quantitative risks affiliated with that hazard in the region of interest.*

*Measures can involve the number of personalities or types of assets in a given location.*