

DISASTER RISK MANAGEMENT

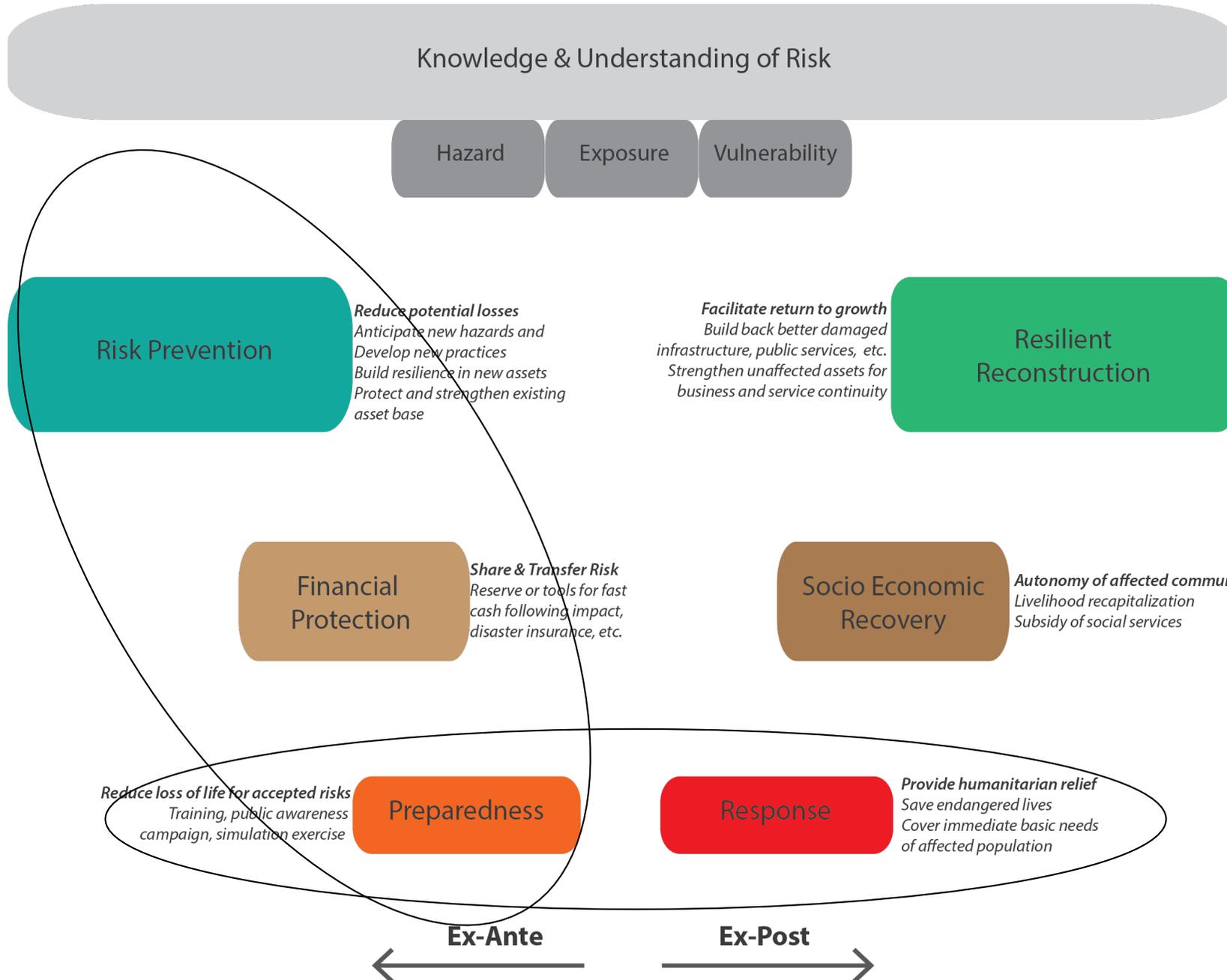
Universita di Roma Tor Vergata
B.A. Global Governance

Spring 2022

Session 12 – Monday May 23, 2022

Instructor: Erdem Ergin

Disaster Risk Management



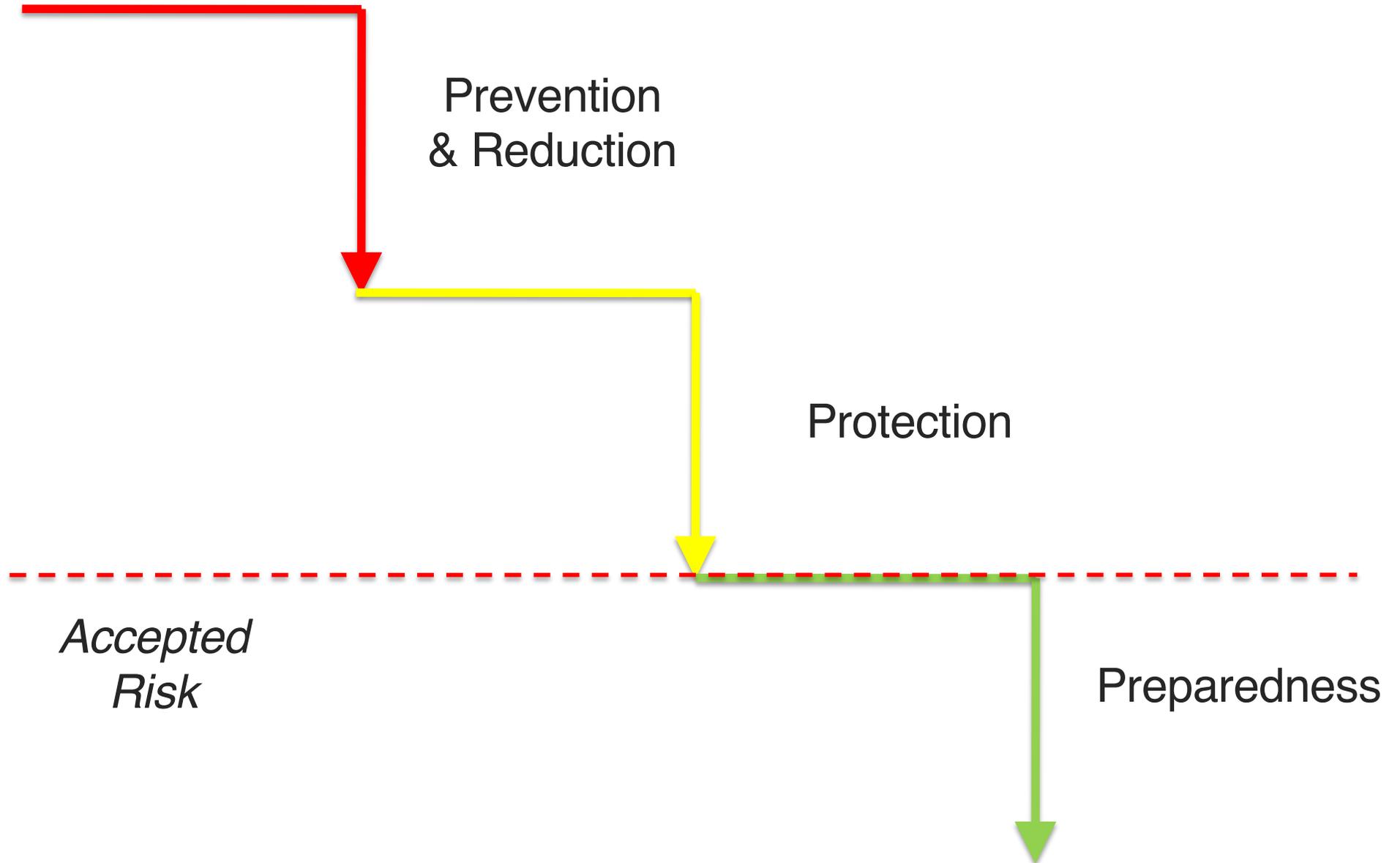
Preparedness

The ability to quickly and appropriately respond when required.

Response

The provision of emergency services and public assistance during or immediately after a disaster in order to save lives, reduce health impacts, ensure public safety and meet the basic subsistence needs of the people affected.

Risk Management



Risk Matrix

Combine Hazard Probability and Impact Severity

S e v e r i t y	Catastrophic	5	5	10	15	20	25
	Significant	4	4	8	12	16	20
	Moderate	3	3	6	9	12	15
	Low	2	2	4	6	8	10
	Negligible	1	1	2	3	4	5
				1	2	3	4
			Improbable	Remote	Occasional	Probable	Frequent
			Likelihood				

Red = Preparedness + Protection + Prevention
 Yellow = Preparedness + Protection
 Green = Preparedness

Preparedness/Response Components

- 1- Scenario
- 2- Evacuation
- 3- First Aid
- 4- Basic Needs
- 5- Communication
- 6- Debrief
- 7- Crisis Management
- 8- Simulation

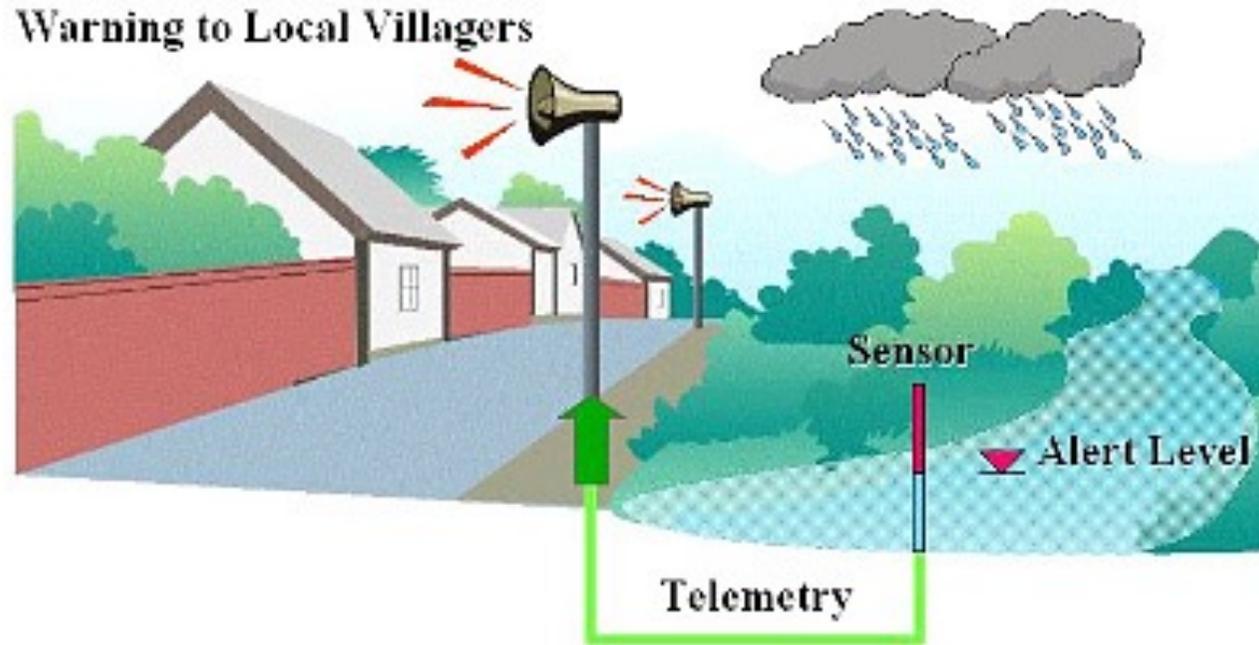
Scenario

Be mentally prepared

A description of possible actions or events in the future.



Evacuation – Early Warning



Major element of disaster risk management. It prevents loss of life and reduces the economic and material impact of disasters.

To be effective, early warning systems need to actively involve the communities at risk, facilitate public education and awareness of risks, effectively disseminate messages and warnings and ensure there is constant state of preparedness.

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Evacuation



Trainings and other actions aiming to change and improve the attitude, behavior, opinion and activities of the general public in terms of disaster risk management (response etc.)

First Aid

Do what you can, where you are,
with what you have.

The first 15 minutes

The Golden Hour

The First 24 hours

The first 72 hours

The first week

The first 30 days



Basic Needs

Shelter

Food & Water

Security

Health

Sanitation & Hygiene





UNHRD NETWORK HUMANITARIAN RESPONSE DEPOT





Communication



Up to date information during an evolving situation

Reliable information

Share with family

Share with work

Share with officials

Debrief



Debriefings are necessary to help people who have recently **experienced major loss or suffering**. (fear, injury, extreme discomfort, property damage, or loss of friends and loved ones.)

Debriefing helps to reduce the likelihood of **post traumatic stress disorder**, or other psychological problems.

Crisis Management



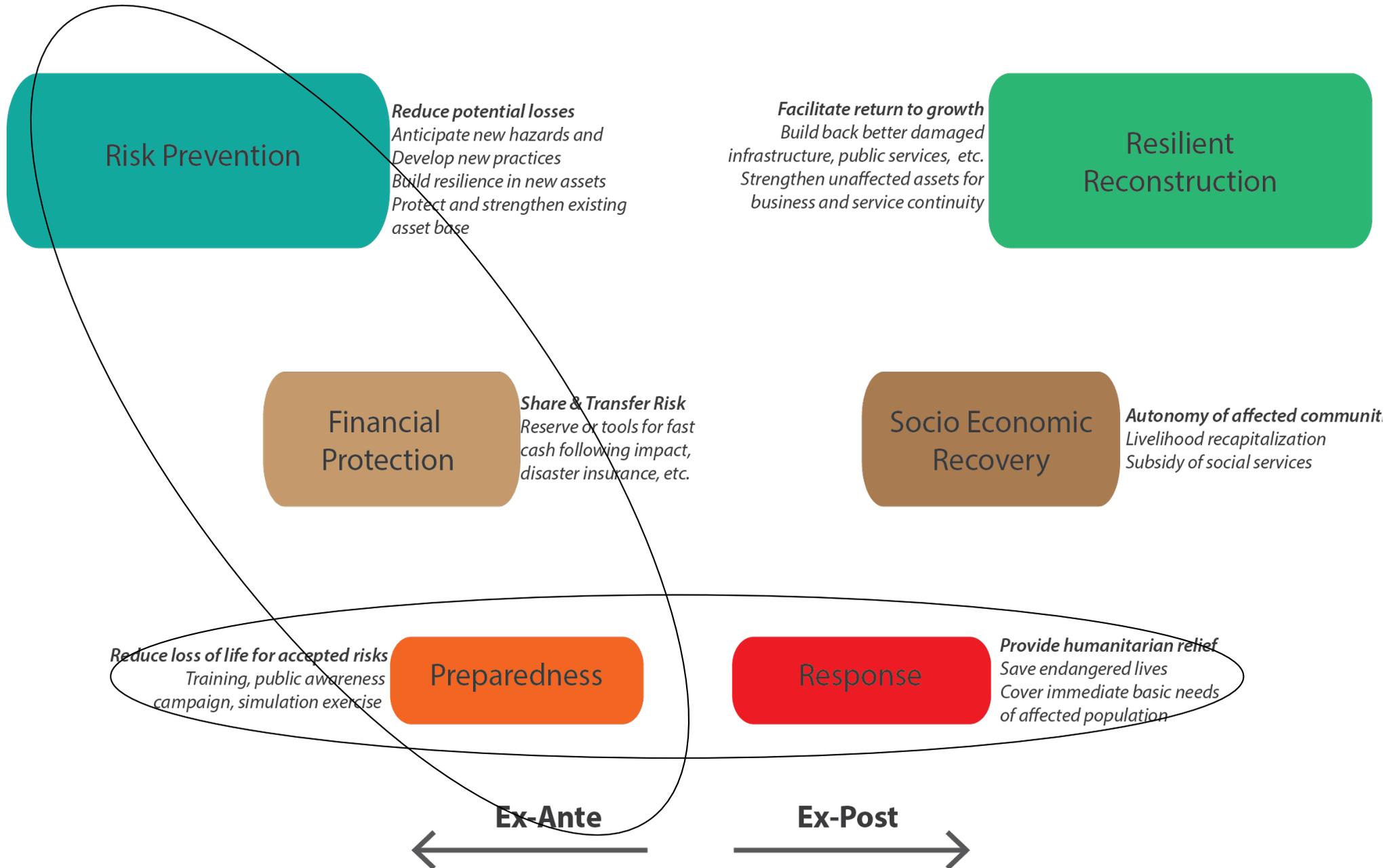
Crisis Management helps to collect, gather and analyze data; make decisions that protect life and property, maintain continuity of the organization, within the scope of applicable laws; and disseminate those decisions to all concerned agencies and individuals.

Simulation

Practice makes it perfect!

Simulation is the imitation of the operation of a real-world process or system over time. The act of simulating something first requires that a model be developed; this model represents the key characteristics or behaviors/functions of the selected system or process.

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