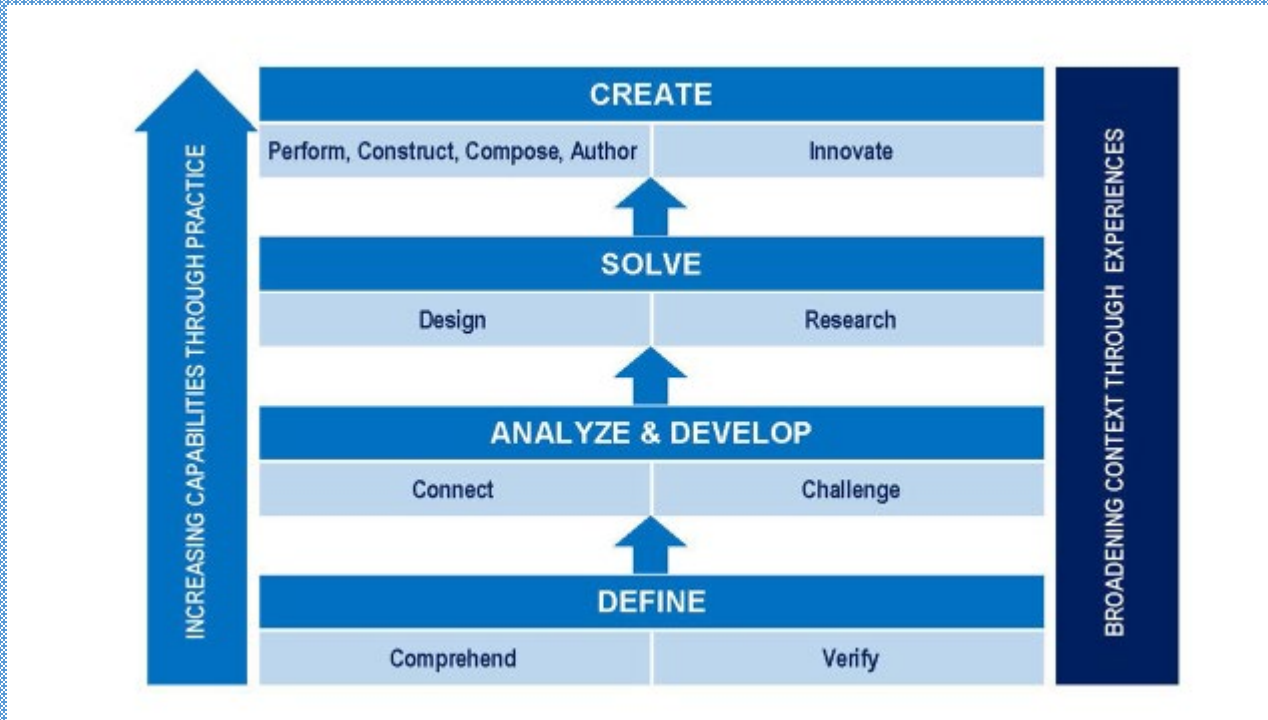


Agenda: (this is a tour, not an immersion!)

- . Critical Thinking for Conflict, Recovery & Resilience**
- . Critical Thinking across Difference**
- . Creating a Team Project & Driving Success**

Critical Thinking for Conflict, Recovery & Resilience

RIT's Applied Critical Thinking ladder:



JAZZ:

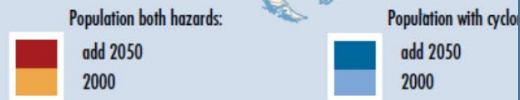
- Improv method *improves*
Improvisation relies on
experience/practice!!!
- Experience brings capability

Crisis driven thinking....

Disasters account for 1/5th of total humanitarian assistance (World Bank)

There were 399 major Natural disaster loss events in 2023 (EM-DAT)

412 Humanitarian crisis in more than 100 countries (UNICEF)

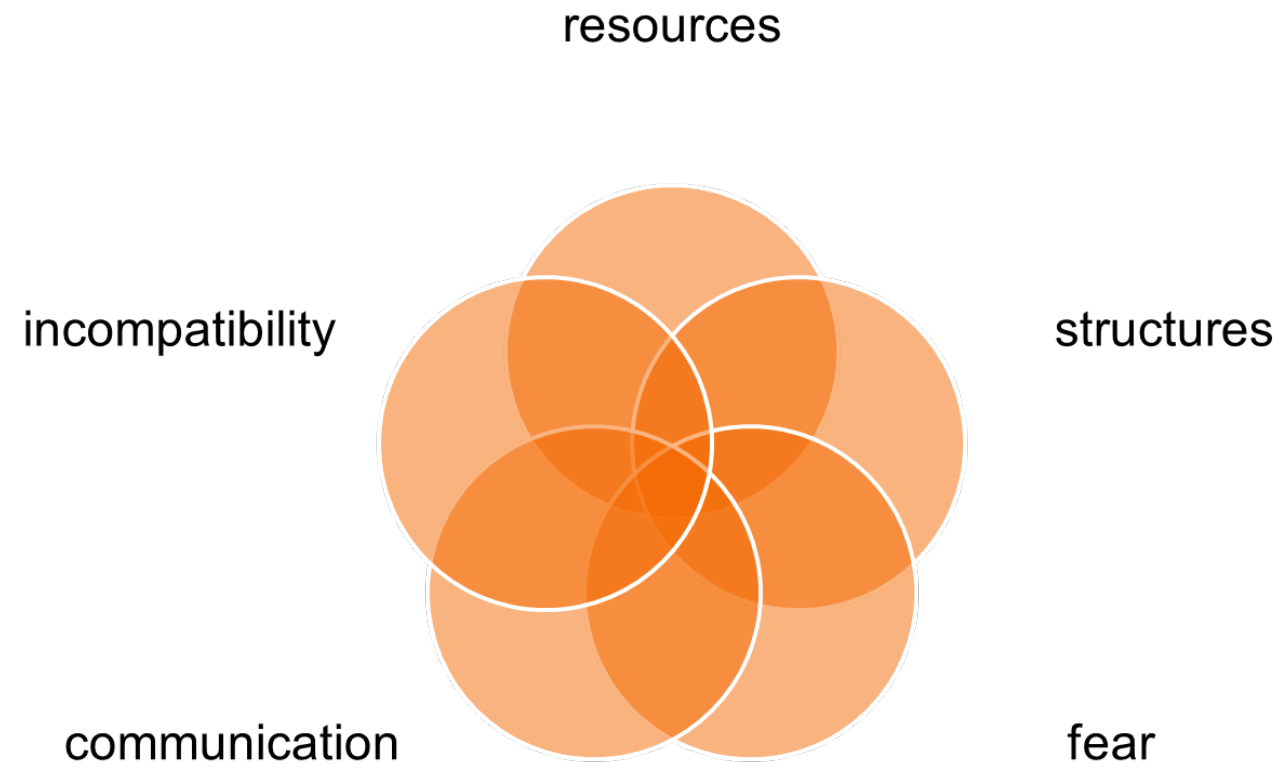


Probability and Consequences

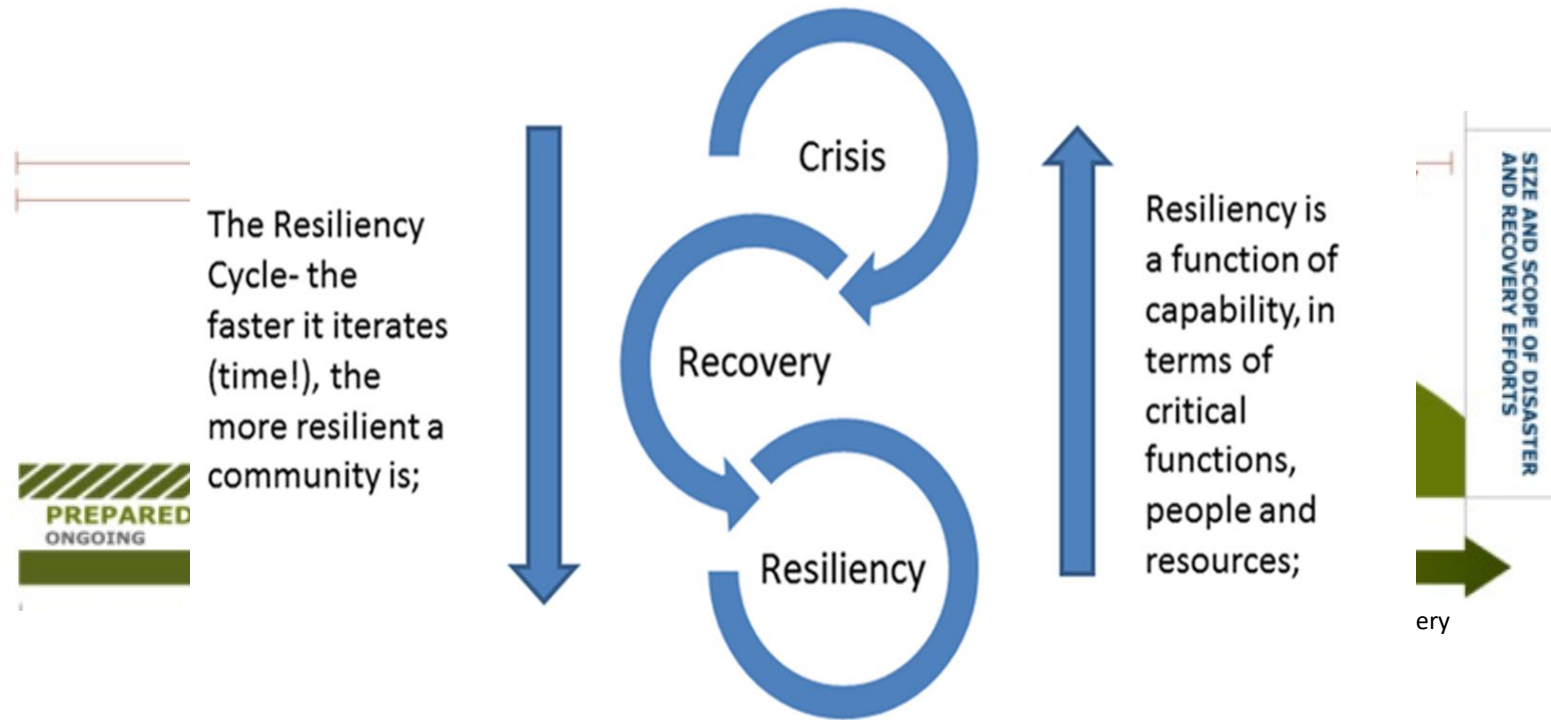
“Disasters are, by their nature low probability--high consequence events”, but there is a big space between everyday life and disaster....this is the ***opportunity space*** where we can prepare & mitigate through knowledge of aspects, impacts, capacity & capability for better decision-making.







Disaster & Emergency Management

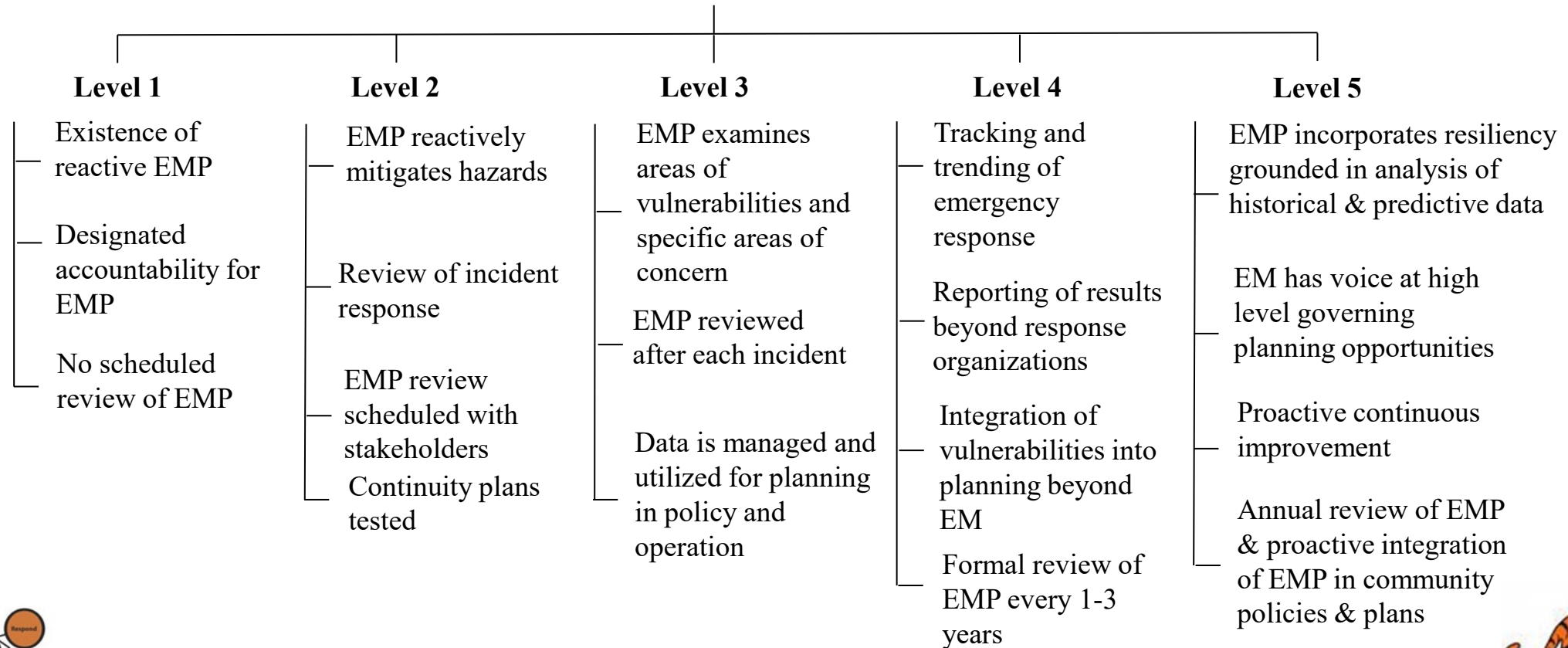


Criticality is defined by both action & output– under a time constraint!

Romanowski & Schneider "Critical infrastructure protection and risk analysis in the mid-size city" IEEE HST 2013

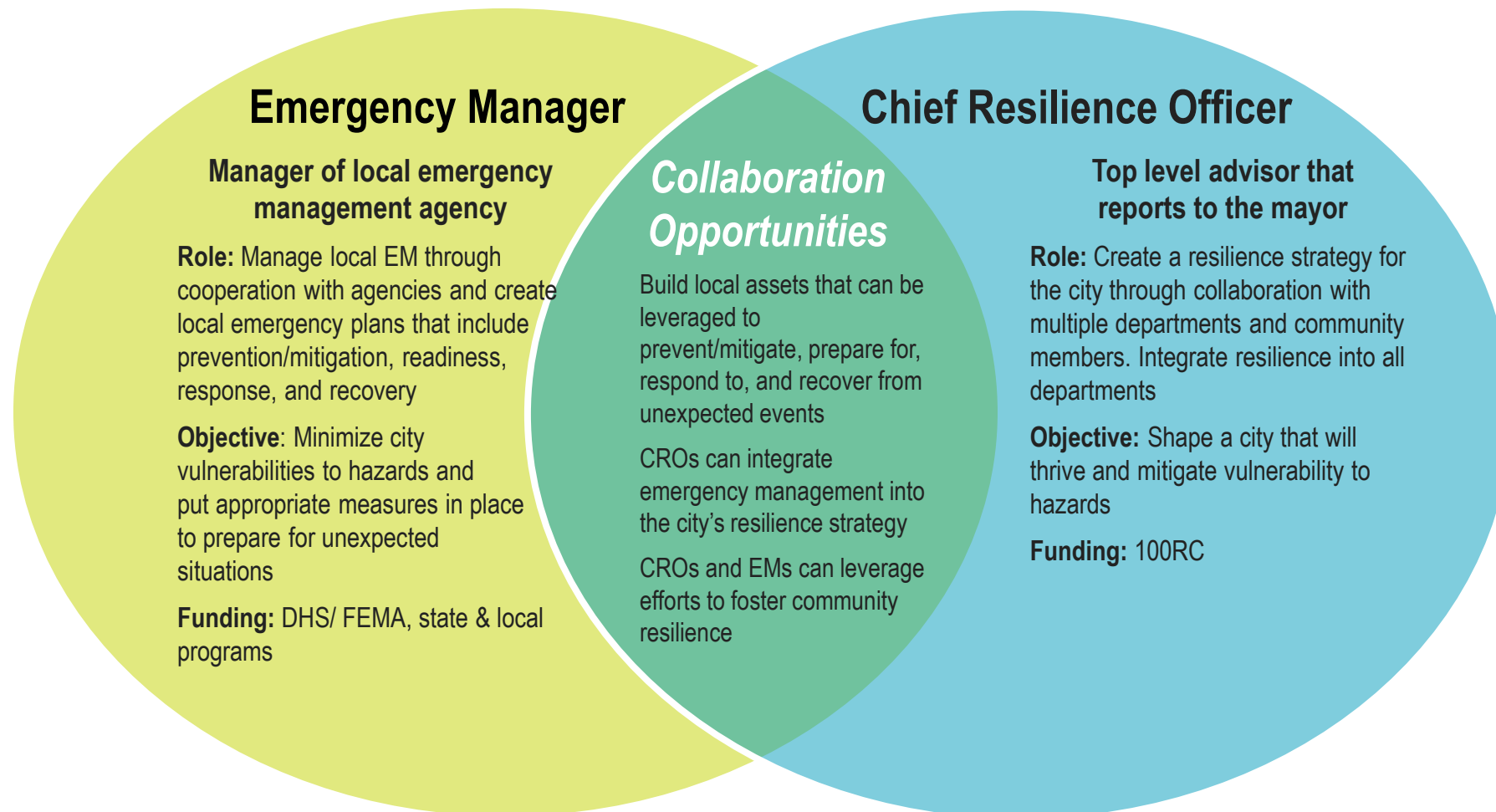
Emergency management metrics

Emergency Management Metrics



Building a Local Resilience Management System

COMMUNITY RESILIENCE OFFICER vs. EMERGENCY MANAGER



Driving Continuous Improvement

EMERGENCY MANAGEMENT FRAMEWORK EXAMPLE

Goal

- Make cities and human settlements inclusive, safe, resilient and sustainable



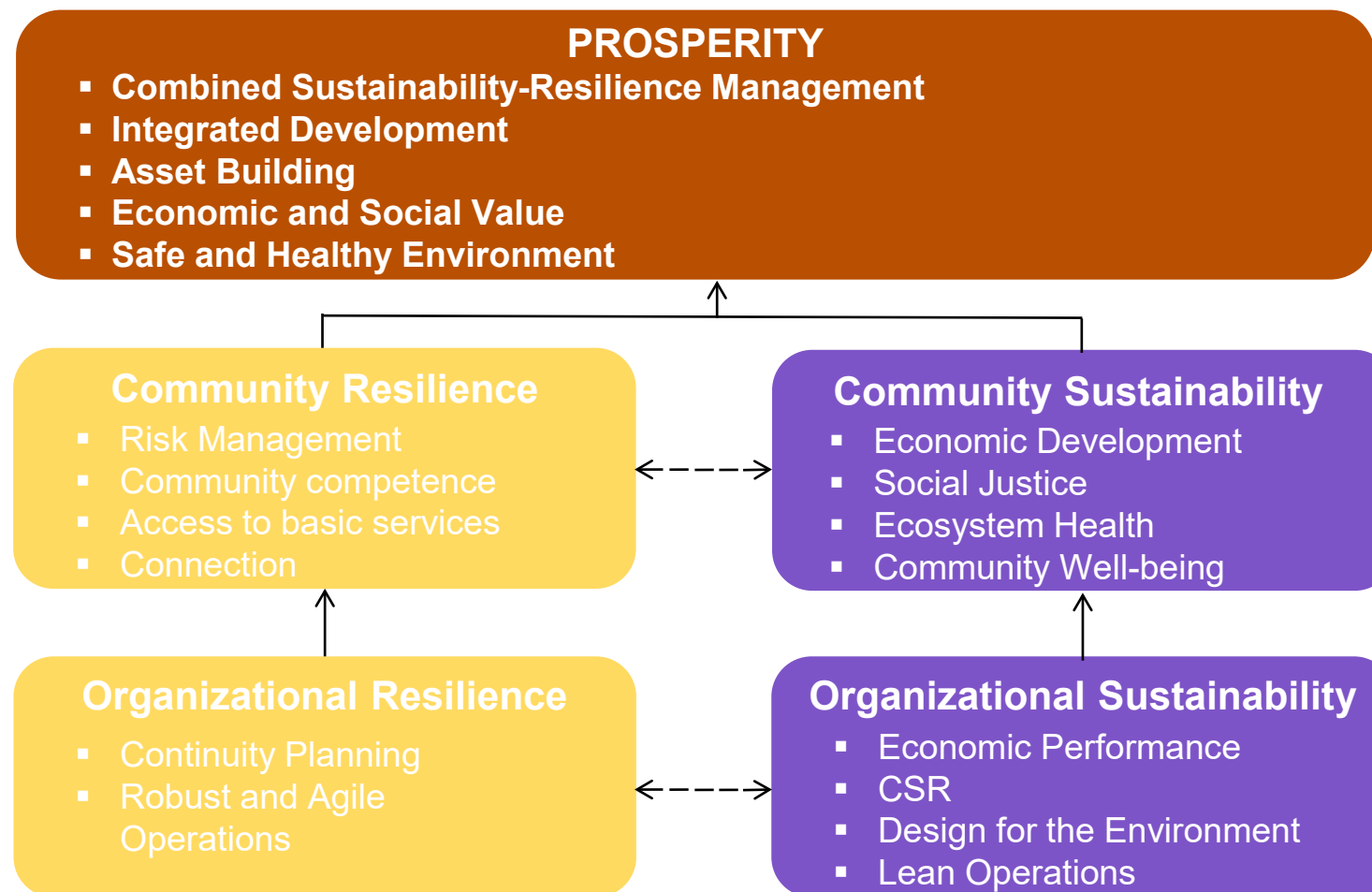
Relevant Targets

- Reduce deaths and people affected and substantially decrease the direct economic losses caused by disasters with a focus on protecting the poor and people in vulnerable situations
- Increase cities and human settlements adopting and implementing integrated policies and plans towards inclusion, resource efficiency, mitigation and adaptation to climate change, resilience to disasters, and develop and implement holistic disaster risk management at all levels

Relevant Indicators

- Deaths, missing persons and directly affected persons attributed to disasters per 100,000 population
- Direct economic loss attributed to disasters in relation to GDP
- Adopt and implement national disaster risk reduction strategies in line with the Sendai Framework for Disaster Risk Reduction 2015-2030
- Local governments adopt and implement local disaster risk reduction strategies in line with national disaster risk reduction strategies

RESILIENCE-SUSTAINABILITY MANAGEMENT SYSTEM CROSSOVER



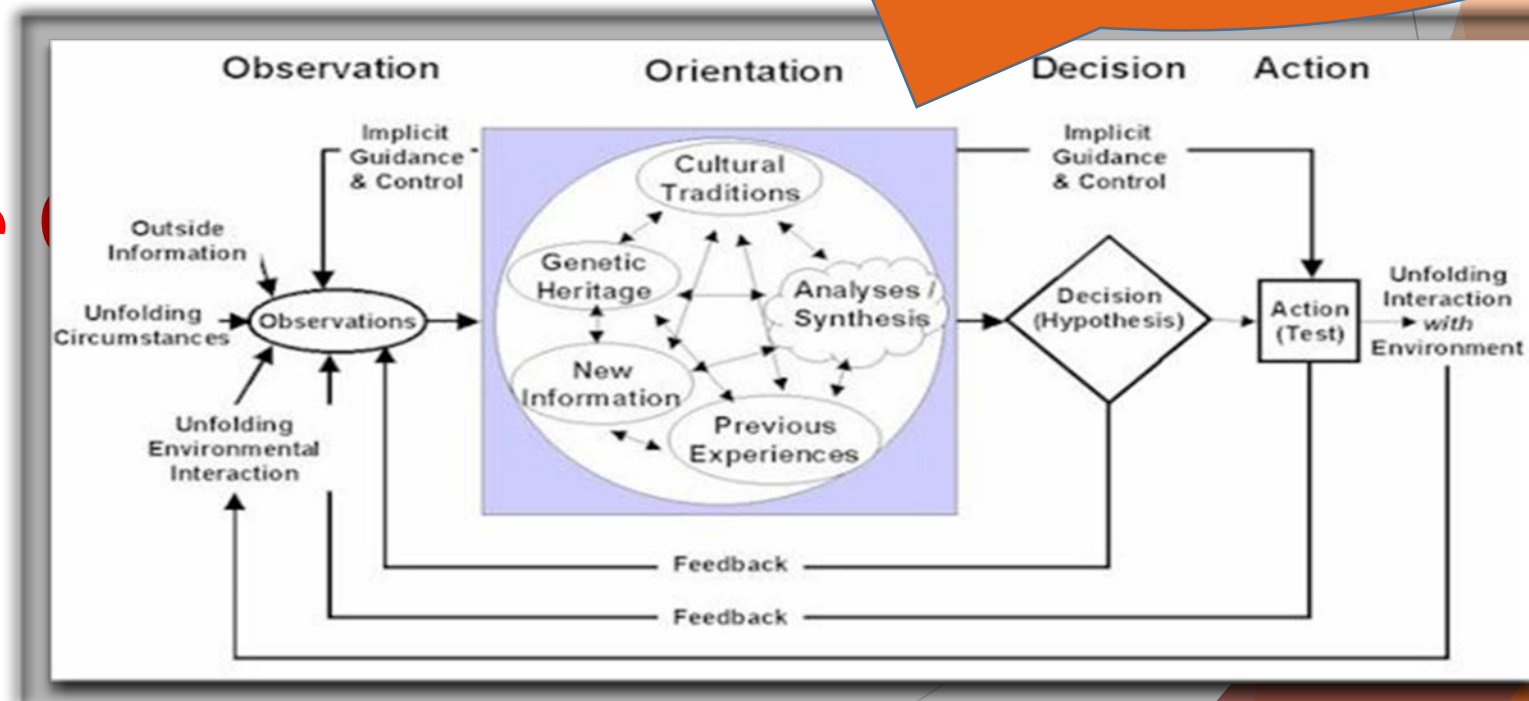


Crisis Leadership depends on:

- ▶ Situational awareness
- ▶ Control
- ▶ Capacity
- ▶ Resilience
- ▶ Within the (Crisis) Decision-making process

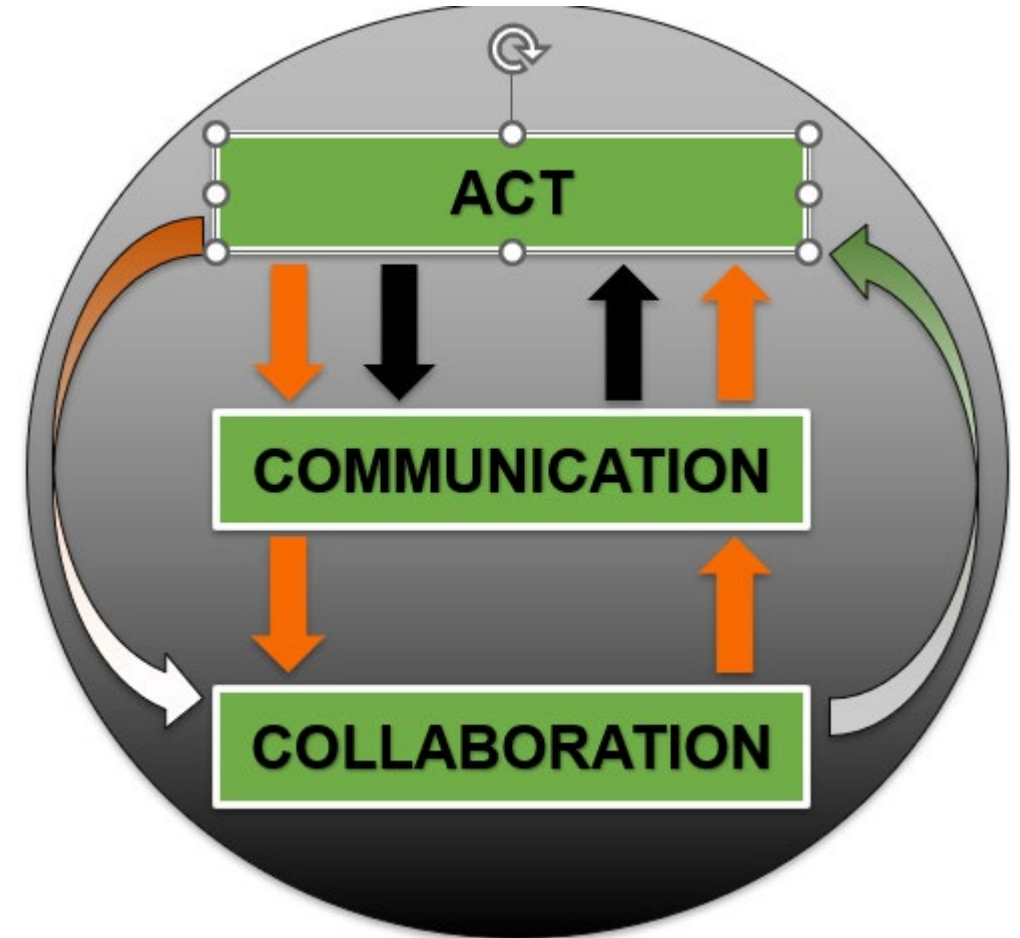
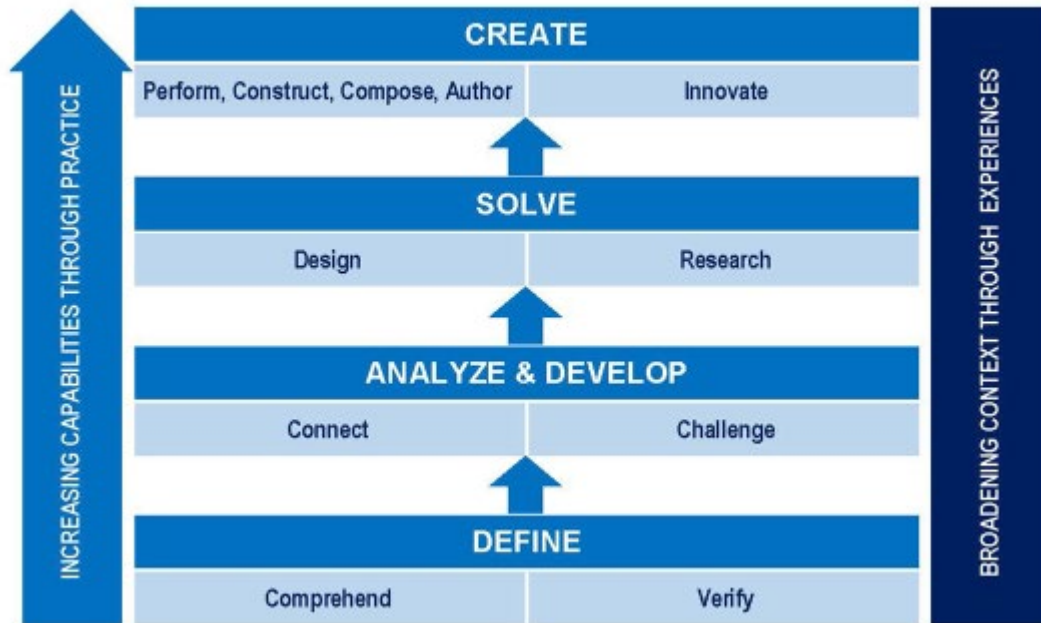
(Crisis) Decision-making is driven by:

- Context & Experience
- Practice & Learning
- Open mind, lack of preconceptions
- The self! Own it!



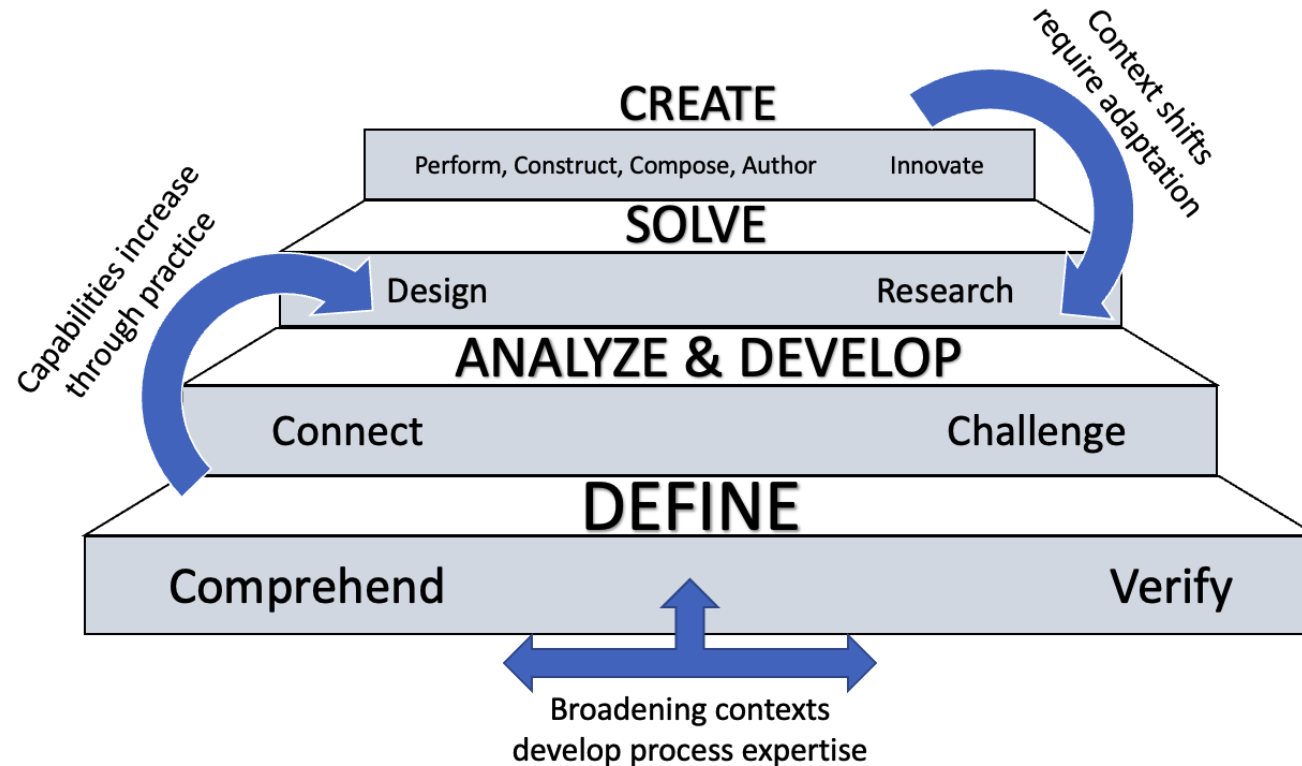
Critical Thinking across Difference

Difference– Disconnect??



ACT Pivoting

*another look at critical thinking development



Change as opportunity:



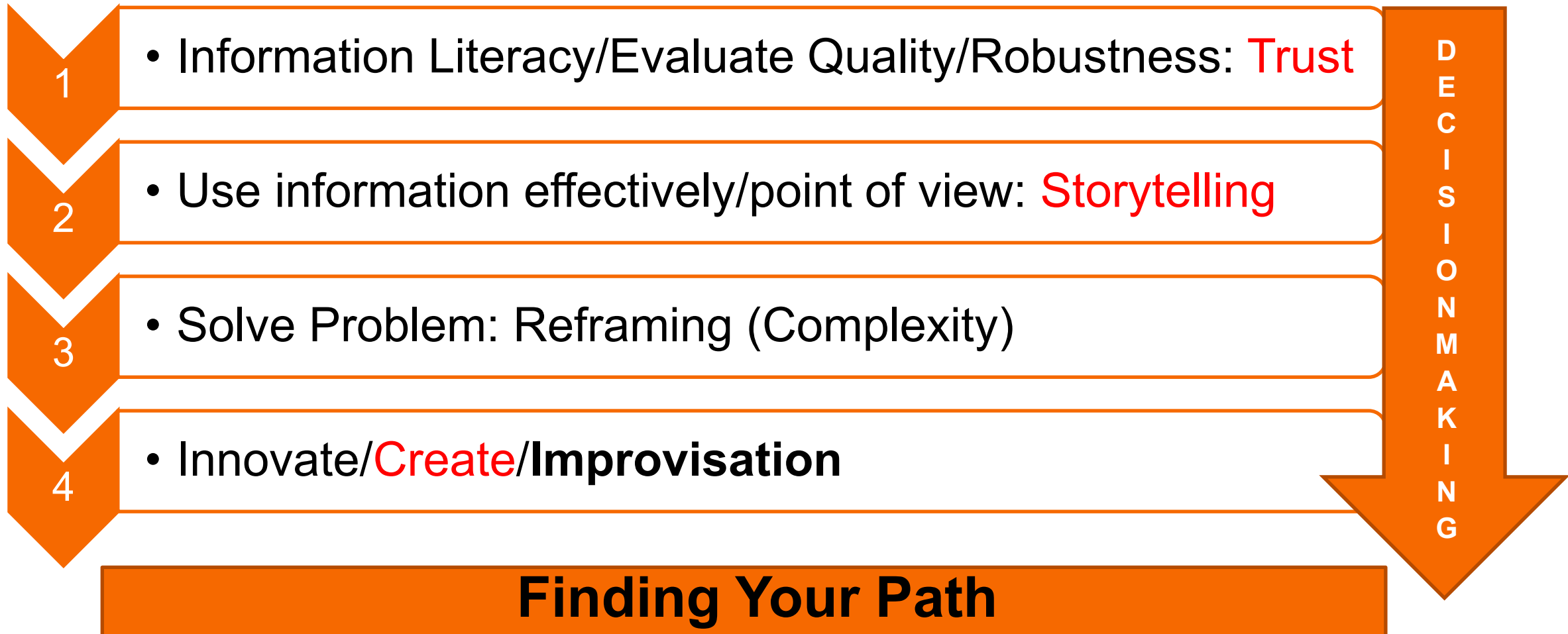
Disruption



Innovation



Creating a Team Project & Driving Success



Team Construction:

- **Information/ Trust : What about? Can you tell me? I don't understand...**
- **The Story: How do we understand this? Summarize**
- **Solve: IMPACT/IMPORTANCE– Can we reframe (pull) with other information?**
- **Create: Innovate and Collaborate**

Tips!

- **Define** interest & scope [**Expectations**: rules of engagement too!]
- **Analyze & Develop** shared understanding
- **Solve** [how do we define success??]
- **Create** the final product [iterate & explain]

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Driving Continuous Improvement

EMERGENCY MANAGEMENT FRAMEWORK EXAMPLE

Goal

- Take urgent action to combat climate change and its impacts



Relevant Targets

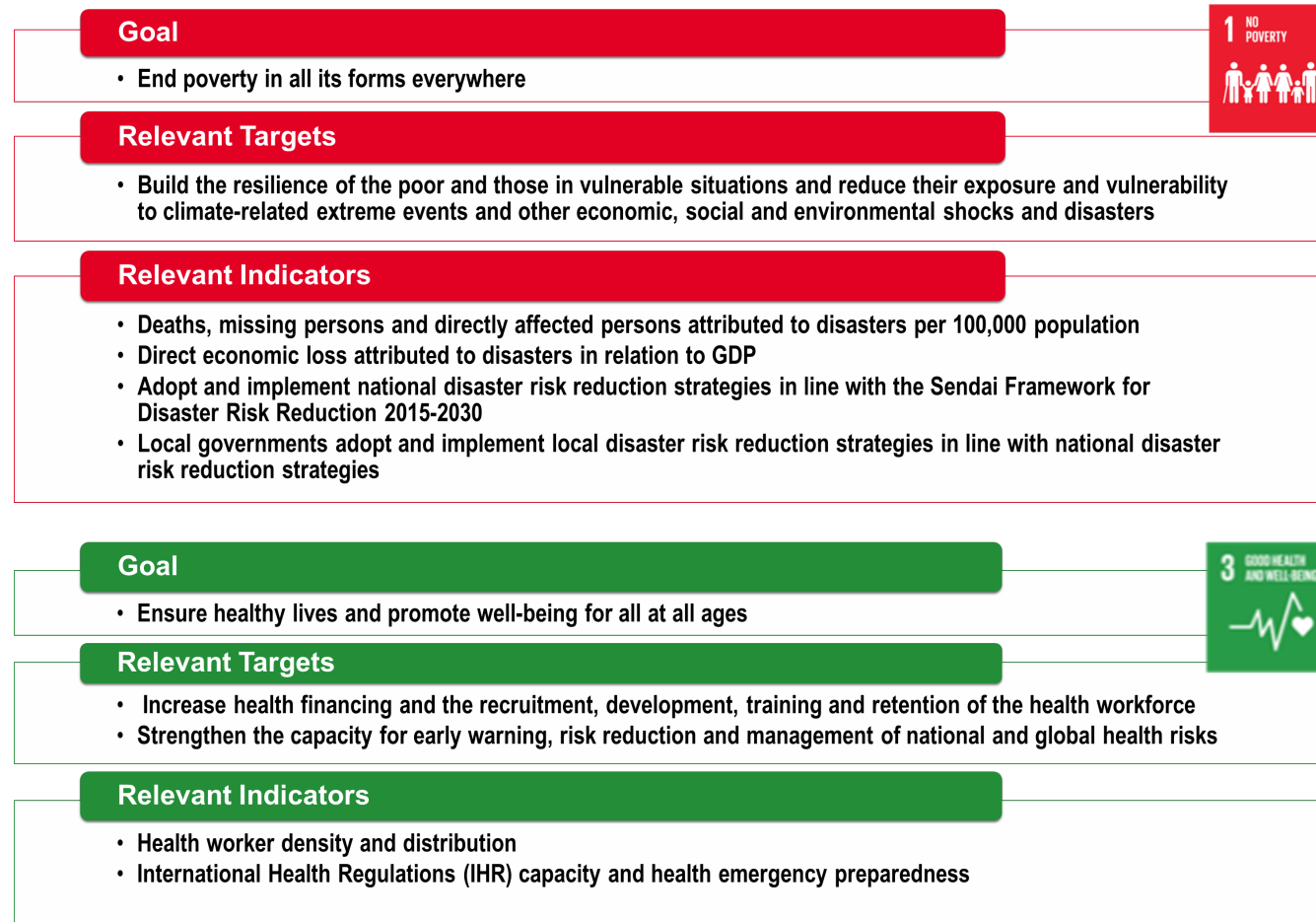
- Strengthen resilience and adaptive capacity to climate-related hazards and natural disasters in all countries
- Integrate climate change measures into national policies, strategies and planning
- Improve education, awareness-raising and human and institutional capacity on climate change mitigation, adaptation, impact reduction and early warning

Relevant Indicators

- Deaths, missing persons and directly affected persons attributed to disasters per 100,000 population
- Adopt and implement national disaster risk reduction strategies in line with the Sendai Framework for Disaster Risk Reduction 2015-2030
- Adopt and implement local disaster risk reduction strategies in line with national disaster risk reduction strategies
- Communicate establishment or operationalization of an integrated policy/strategy/plan which increases their ability to adapt to the adverse impacts of climate change, and foster climate resilience and low greenhouse gas emissions development in a manner that does not threaten food production
- Integrate mitigation, adaptation, impact reduction and early warning into primary, secondary and tertiary curricula
- Communicate the strengthening of institutional, systemic and individual capacity-building to implement adaptation, mitigation and technology transfer, and development actions

Driving Continuous Improvement

DISASTER/EMERGENCY MANAGEMENT FRAMEWORK EXAMPLE



Leveraging Local Capability for Global Change

ISO 37101: SUSTAINABLE CITIES AND COMMUNITIES

OBJECTIVES

- Manage sustainable development and community resilience
- Improve contribution of community to sustainable development and resilience
- Assess performance

PURPOSES

- Attractiveness
- Preservation and improvement of environment
- Resilience
- Responsible resource use
- Social cohesion
- Well-being

ACTION AREAS

- Governance, empowerment and engagement
- Education and capacity building
- Innovation, creativity and research
- Health and care in the community
- Culture and community identity
- Living together, interdependence and mutuality
- Economy and sustainable production and consumption
- Living and working environment
- Safety and security
- Biodiversity and ecosystem services
- Community smart infrastructure
- Mobility