Bio-security and -preparedness within
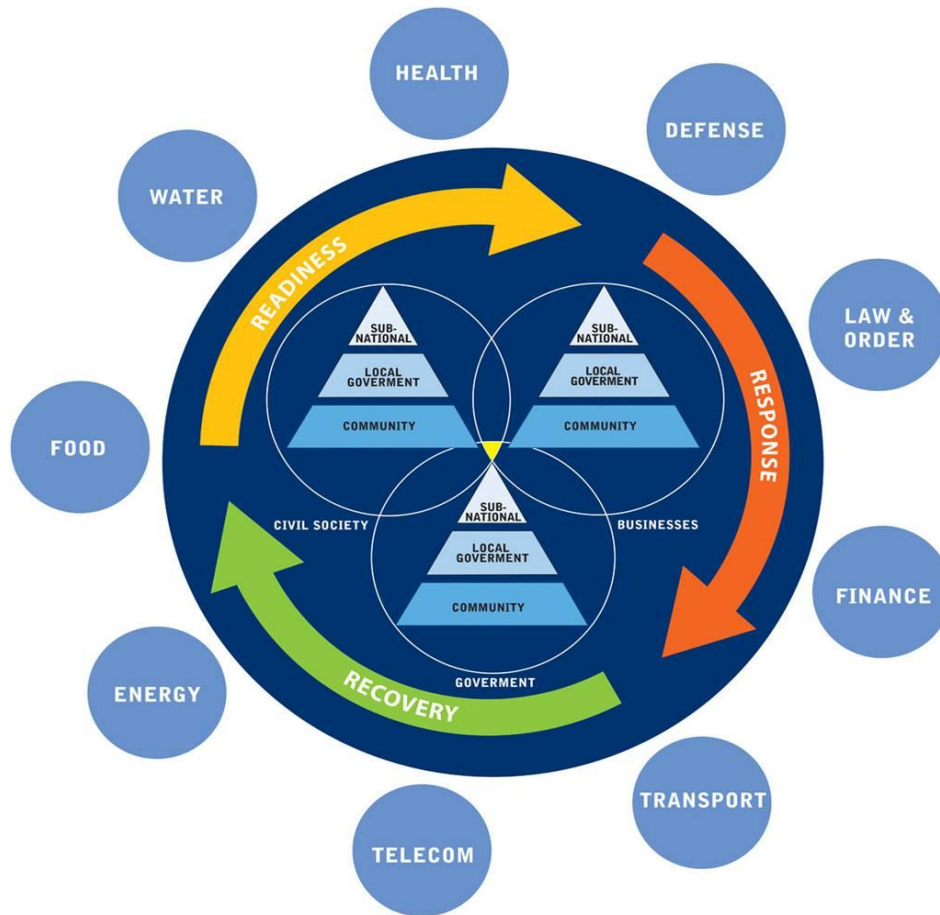
One Resilience

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Whole-of-Society Approach

Relatively more severe threats require a **whole-of-society integrative risk management approach** that emphasizes coordination and collaboration among all sectors

WoS Integrative Risk Management

- **sustainable all level preparedness to build capacities** to respond to social disruptions, disunity and unrest that large-scale disasters (e.g. pandemics) generate.

- **aim to strengthen every part of society** so that the whole system is better able to reduce risk, and respond to severe shocks such as massive absenteeism and disruptions

- enable speedier re-establishment of normal life, business and livelihood.

One Resilience- "Think and Work as ONE"

- Specifies the **Rallying Points** for the Whole-of-Society Integrative Risk Management Approach

- Advocates the **"Think and Work as ONE" Mentality or** **"Think One Resilience"**

  - **What can you do for me?**
  - **What can I do for you?**
  - **What concern of mine is also your concern?**
  - **What concern of yours is also my concern?**

One Resilience- "Think and Work as ONE"

One Resilience- "Think and Work as ONE"

- brings together independent approaches to resiliency (**SILOS**)- where people and essential service sectors are drawn to support and depend on each other to build ROBUST families and communities that are able to contend with life's challenges.

- It drives Whole-of-Society to achieve Social, Health, Food and Energy Security through the strengthening of cross-sectoral dependency, where all service sectors think and work as **ONE**
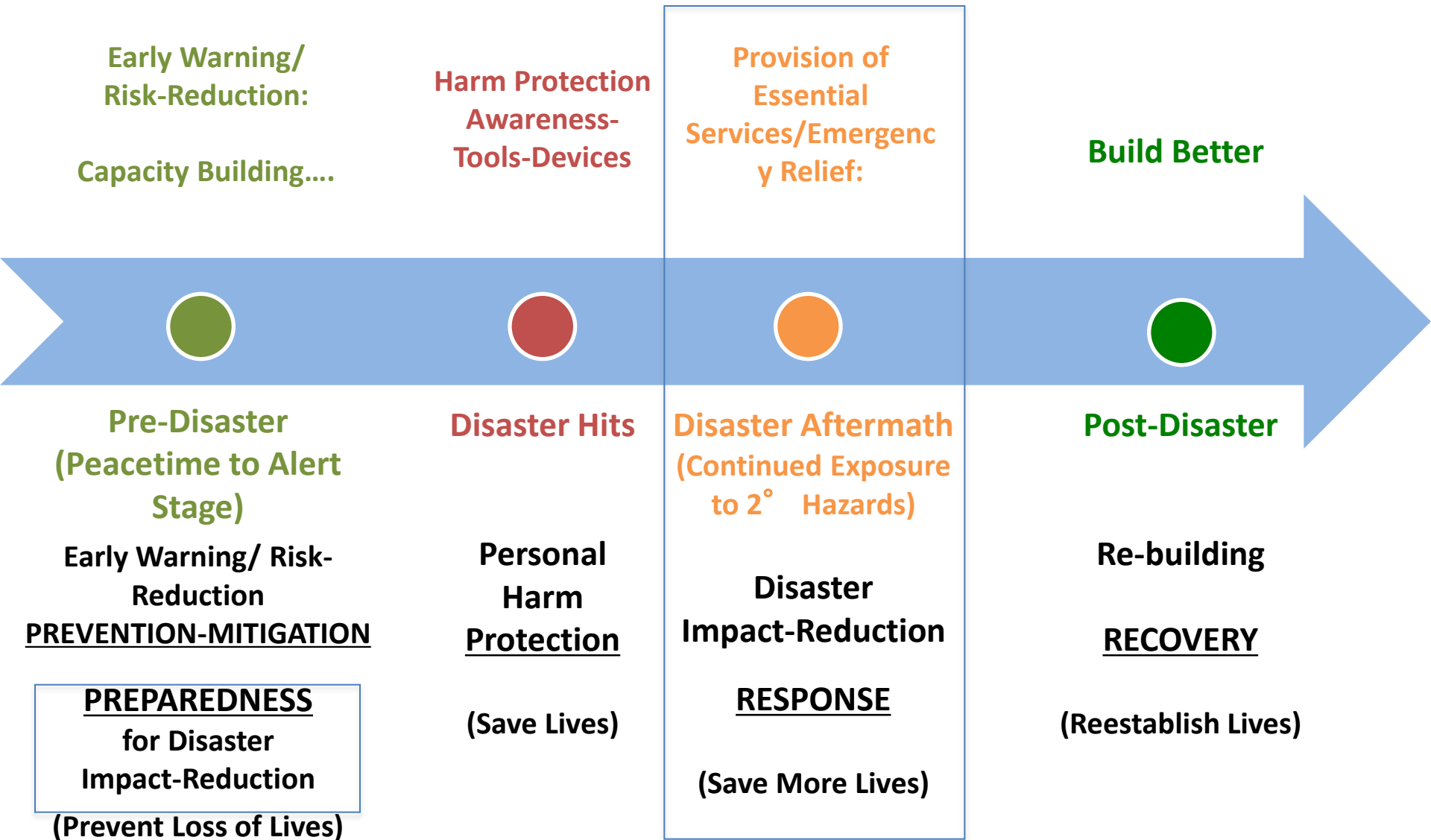
One Resilience- "Think and Work as ONE"

Poverty Reduction = Vulnerability Reduction

- Health Security
- Food and Water Security
- Environmental protection and sustainable energy
- Sustainable livelihood
- Education and community outreach
- Mass housing
- Disaster risk reduction, mitigation and response
- Public Safety and Security

One Resilience Leadership

- **OR Leadership** is required to support governments and communities in coping with the impacts of threats and hazards, and be able to solve complex problems by instituting measures that drive whole-of-society to **Think and Work as ONE**

Disaster Spectrum: Opportunities for Innovation

Early Warning/ Risk-Reduction:

Capacity Building….

Harm Protection Awareness-Tools-Devices

Provision of Essential Services/Emergency Relief:

Build Better

Pre-Disaster (Peacetime to Alert Stage)

Disaster Hits

Disaster Aftermath (Continued Exposure to 2° Hazards)

Post-Disaster

Early Warning/ Risk-Reduction
PREVENTION-MITIGATION

PREPAREDNESS
for Disaster Impact-Reduction

(Prevent Loss of Lives)

Personal Harm Protection

(Save Lives)

Disaster Impact-Reduction

RESPONSE

(Save More Lives)

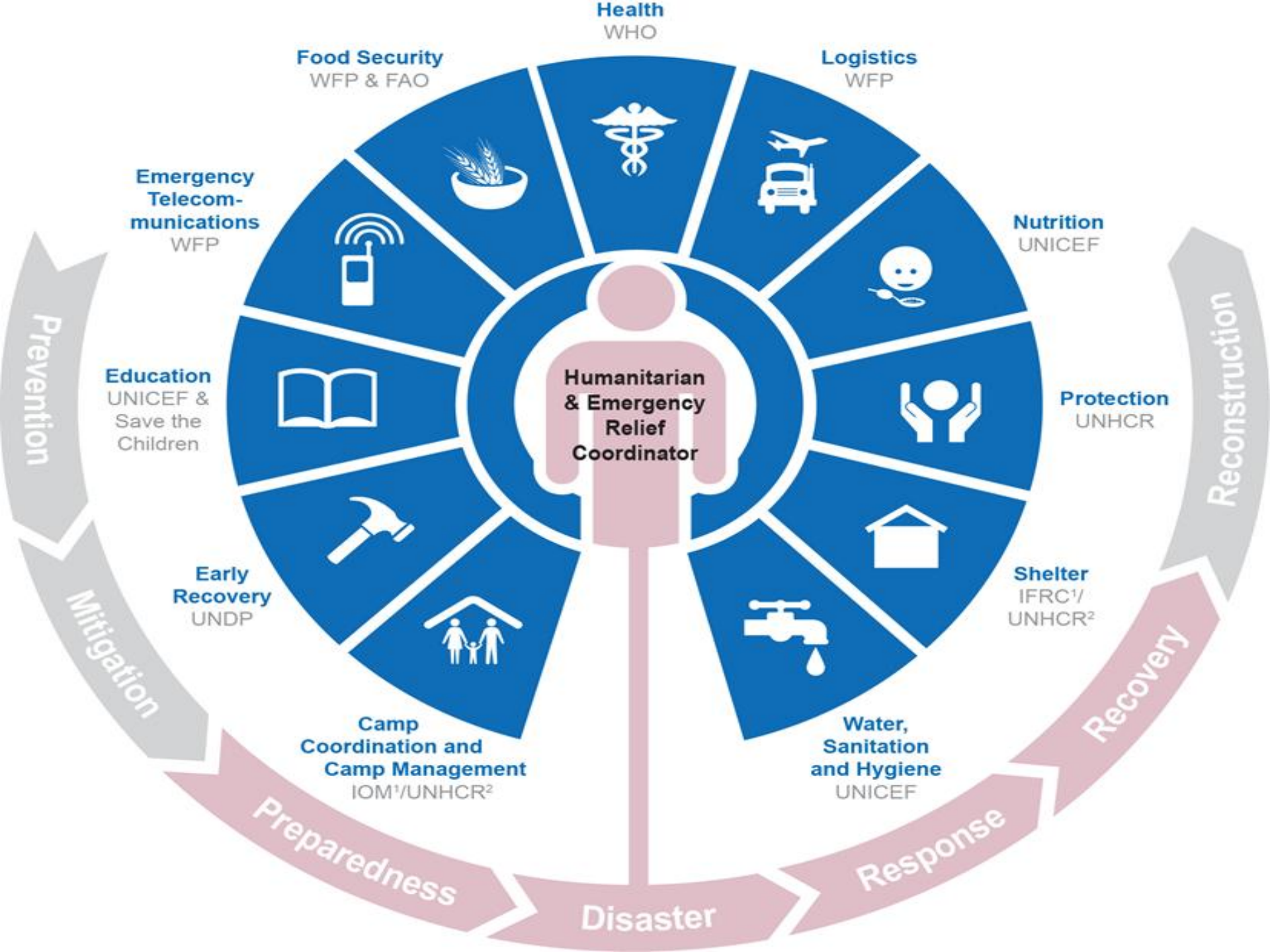Re-building

RECOVERY

(Reestablish Lives)

Disaster Aftermath Challenges

- Disruption of basic and emergency health care
- Dead bodies and lack of body bags
- Maintenance of sanitation and hygiene
- Discontinuity of essential services- Food and water, banking, transportation, telecommunications, and fuel/power supplies
- Maintenance of peace and order

What Should We Strive for?

- Continuity of essential services
  - prevent disruptions and minimize the impacts of disruptions

- Effective emergency relief

Relief becomes relevant only if services are disrupted- Services Continuity is a priority!

Health
WHO

Logistics
WFP

Food Security
WFP & FAO

Nutrition
UNICEF

Emergency Telecom-munications
WFP

Protection
UNHCR

Education
UNICEF & Save the Children

Humanitarian & Emergency Relief Coordinator

Shelter
IFRC[1]/ UNHCR[2]

Early Recovery
UNDP

Water, Sanitation and Hygiene
UNICEF

Camp Coordination and Camp Management
IOM[1]/UNHCR[2]

Prevention

Mitigation

Preparedness

Disaster

Response

Recovery

Reconstruction

Organizational Considerations

- **Natural disasters, Human-induced (the CBRNE) and Pandemic Threats (ALL HAZARDS Approach)**
- Managed through a **National Platform** (e.g. NSC) and multi-sectoral-disciplinary **Sub-platforms**
  - Designate multidisciplinary **rapid response teams (RRTs) [technical working groups (TWGs)]**
    - Formulates preparedness and response (P&R) Frameworks and Plans
    - Responds to disaster events
  - Officially designate **"institutional disaster focal points"** from member organizations**.**
  - Clearly define links between authorities.

Sub-platform Leadership

- Designate **most technically qualified** line agency as lead and oversight to address specific issues.

  - Department of Health- for **public health consequences of a pandemic**.
  - Department of Defense- **Wide-scale Essential Services or Social Disruptions** (e.g. nationwide riots and looting due to lack of medical supplies)
  - Jointly by the Departments of Health, Agriculture and Environment, under a **One Health** Sub-platform- for **emergence of a newly detected zoonosis** spreading rapidly in animal populations, and spilling-over to the human population

Sub-platforms

- Stand-by **"ready-to-engage" (through the RRT)** specialized preparedness and response entities

- Respond to specific disaster scenarios through the **command of the most qualified line agency(ies).**

- Core structure and functions conform to the disaster scenario— from simple to very broad

ONE HEALTH

The overall state-of-health of humans depends on the state-of-health of the entire ecosystem/society

Any disruption in the ecosystem is a health hazard

Enabling Environment (To think about)

- **All-hazards (multi-impact)** approach
- **National Platform** (e.g. Non-Traditional Security Council)
- Multi-sectoral-disciplinary **sub-platforms**
- Designate **qualified line agency as lead** and oversight (sub-platform).
- Designate multidisciplinary **RRTs/ TWGs**
- Designate **Institutional Disaster Focal Point(s)**
- Define **links between authorities**

One Resilience is a Grand Task

- Requires **strategic change in the mindset** of leaders, civil servants and everyone involved in the building of society and communities- *no discipline or concerned group should be marginalized, and sectoral silos should be eliminated.*

- **Higher education must promote broad One Resilience objectives**- i.e. absolute efficiency of systems is contingent on the interdependencies of sectoral approaches, and the capacity to enable strategic synergies.

One
RESILIENCE
Movement