
Biosecurity within Comprehensive Security

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Security: Differentiation

Ideologies
Interest
Sovereignty
Supremacy
Political order



Societal wellbeing
Civilian prosperity



Comprehensive Security = Optimal Human Health and Wellbeing

We need
nourishment,
clean water,
protection
from disease,
and
opportunity to
live in comfort
and peace



<http://iaoj.files.wordpress.com>

Comprehensive Security = Systems' Interdependencies

It's about
'Saving the World'



EVD- A Food, Trade to Global Security Issue

The fear of Ebola is **slowing rice shipments** from Asia to Africa with shipping crews either **refusing to travel** to affected regions or demanding higher freight charges, **aggravating a food crisis** in one of the most malnourished parts of the world.

The snags in shipments are compounding worries about food supplies as many African **farmers have abandoned crop fields** in wake of the disease that has quarantined thousands. Schools that offered **meal programs have also shut down**, worsening widespread **food shortages and hunger**. The cost of rice has increased by nearly a third....

<http://online.wsj.com/articles/ebola-fears-slow-rice-shipments-from-asia-to-africa-1414661239>

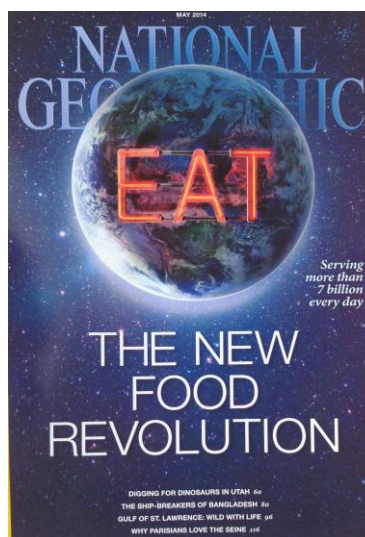
Making Sense of Systems' Synergy

Security Systems are disaster vulnerable

Coping with disruptions depends on effective

Systems Interdependencies

Does Biosecurity depend on Food Security?-- How does one impact on the other?



Comprehensive Security: Challenges

Pandemic Threats impact Global Security
e.g. Ebola disease outbreaks

REMOVAL of sectoral silos is a challenge

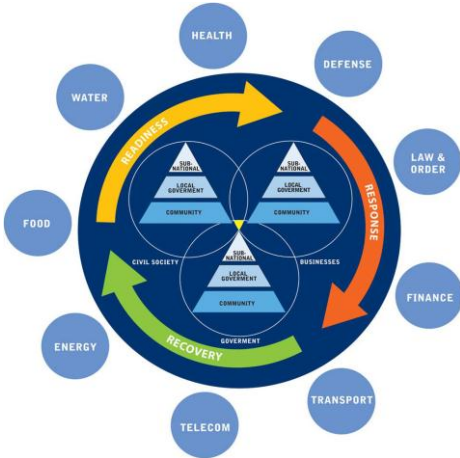
An integrative **Beyond-Health** approach ensures Biosecurity

We've known we should be working together



Integration of Whole-of-Society Approaches

All sectors across security systems need to collaborate



Multi-sectors to Multi-systems

Whole-of-Systems Risk Management

Let's strengthen
All Security
Systems
to reduce:

- risk
- severe shocks
- disruptions



<http://timedotcom.files.wordpress.com>

Poverty Reduction = Systems Resilience

Poverty Reduction =
Vulnerability Reduction

*Are impoverished
communities biosecure?*



<http://www.who.int>

Biosecurity-Specific Focus Areas

- Policies and Legislations (National)
- Multi-sectoral-Whole-of-Society Collaborations
- Human-Animal Health Sector Coordination
- Bio-threats Risk Analysis and Verification
- Readiness of Key Infrastructures
 - labs, disposal, BSL3 facilities, hospitals, etc.
- Validation of Laboratory Competency for Handling Weaponized Biological Agents
- Training/ Drills/ TTX/ Testing of Plans

Core Capacities Focus Areas

- Laboratory testing and networks, facilities and capacities
 - building biosafety level 3 (BSL3) laboratories
- Training on laboratory control, biosafety and processes, including specimen collection and transport to results interpretation
- Patient isolation, health care and clinical management at all levels
- Infection prevention and control (procedure and improved hospital design)
- Case contact tracing and mapping
- Comprehensive ambulance, hospital and treatment infrastructure surge capacities (including efforts of military and private groups).
- Strengthening of primary health care and implementation of Universal Health Coverage

Items for consideration

- Food and agriculture security
- Responder protection
- Decontamination procedures
- Community evacuation and shelter and feeding (mass care)
- Prioritization and distribution of mass prophylaxis
- Mass burial
- Liaison with external partners and support
- Public security and order
- **Continuity of Operations Planning (COOP)** within organizations, functional areas, sector-wide, and at grassroots

Regional Focus Areas

- Managing cross-border movements of populations and commerce
- Vaccine and antiviral production and distribution capacities
- One Health approaches
- Establishment of points of entry (POE) measures/capacity at major airports, seaports and land crossings
- Strengthening regional cooperation on communicable disease control systems, especially expanded surveillance and response systems

Biopreparedness/ Biothreats Reduction Program (Documentations)

Strategic Framework

•WHAT do you want to generally and specifically:

- Address?- e.g. reduce health and economic impacts
- Solve or Alleviate?
- Achieve?- in relation to the above

✓A detailed narration of your focus and rationale, the disease and problem faced, your goals and objectives, considerations and limitations, and corresponding activities

Specified Action Plans

•HOW will you explicitly:

- Address, solve or accomplish things?
- ✓Requires detailing operational processes and procedures- qualitatively and quantitatively vis-à-vis your identified activities

Comprehensive Security Through Unity

We need a
**Rallying Point for
Whole-of-Systems
Resilience**

Break sectoral silos and
bias

Unite security systems

It's All or None

