

Post Emergency Transition to Recovery

**The National Academy of Sciences
Beebe Symposium**

Washington, DC

May 13, 2014

Gerilee W. Bennett

National Disaster Recovery Planning Division



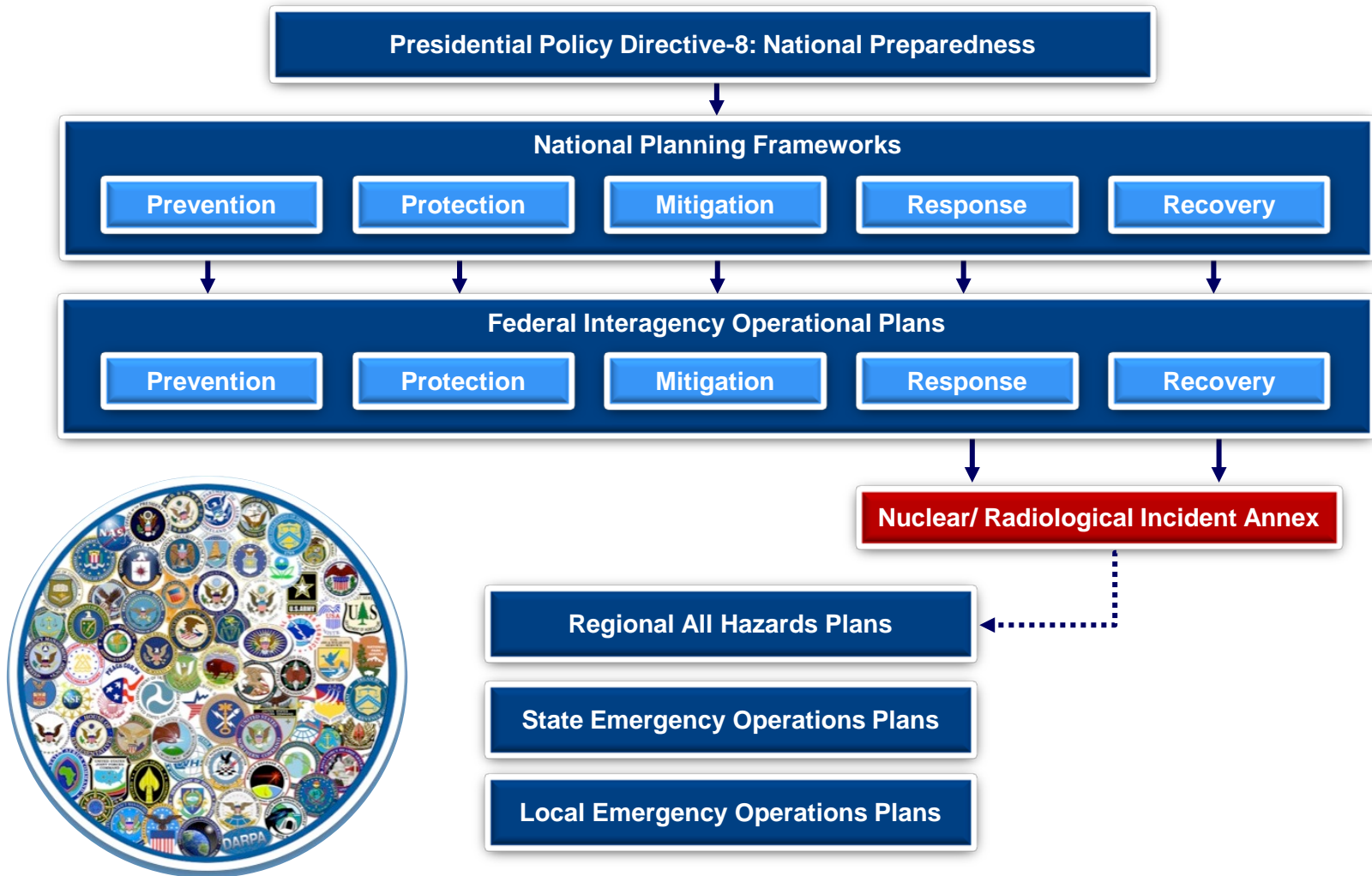
FEMA

National Nuclear/Radiological Incident Annex (NRRIA)

- NRRIA originally drafted in 2004 as an incident annex to the National Response Plan (NRP)
- NRRIA updated in 2008 as an incident annex to the National Response Framework (NRF)
- The National Disaster Recovery Framework (NDRF) was published in 2011 and the NRF was updated in 2013 under Presidential Policy Directive 8 (PPD-8)
- The updated NRRIA will serve as an operational annex to the Response and Recovery Federal Interagency Operational Plans that support both the Response and Recovery Frameworks



Relationship to Existing Plans



Challenges from Fukushima

- Contamination screening certificates, pets
- Uncertainty and long term relocations
- Support for host states and cities
- Public messaging for recovery
- Benefits coordination



Columbia Law School



Reuters

Challenges from Fukushima

- Contaminated Debris Management
- Unusual, extensive security requirements
- Crowd-sourced radiation detection

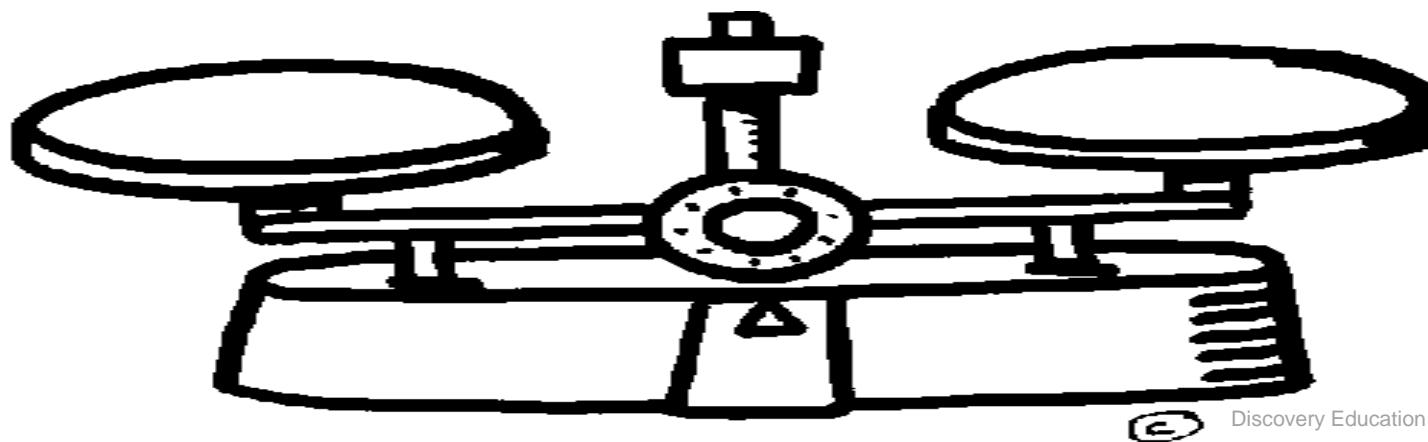


Safecast.org



Recovery Balancing Act

- Individual self determination
- Local decisions
- Stakeholder involvement
- Retaining community cohesiveness
- Expectation for national plans
- Reducing uncertainty



© Discovery Education

Thank You

References

- Becker, Steven M. "Learning from the 2011 Great East Japan Disaster: insights from a special radiological emergency assistance mission." *Biosecurity and bioterrorism: biodefense strategy, practice, and science* 9, no. 4 (2011): 394-404.
- Hasegawa, Reiko. *Disaster Evacuation from Japan's 2011 Tsunami Disaster and the Fukushima Nuclear Accident*. Paris, France: Institut du développement durable et des relations internationales, 2013.
- Ishikawa, Yoshitaka. "Displaced Human Mobility due to March 11 Disaster ." *The 2011 East Japan Earthquake Bulletin of the Tohoku Geographical Association* (April 1, 2012). <http://tohokugeo.jp/disaster/articles/e-contents29.pdf>.
- Isoda, Yuzuru. "Refuge Life of Evacuees from the Fukushima Nuclear Accident Analysis of Okuma Town Survey Based on Human Capital Theory." *The 2011 East Japan Earthquake Bulletin of the Tohoku Geographical Association* (October 31, 2011).
- Kaneko, Yuka. "Law and Community in Disaster Recovery: Lessons from the 2011 Great East Japan Earthquake on the Outcomes of Civil Rights." *Journal of International Cooperation Studies* 21, no. 1 (2013).
- Radnet, <http://www.epa.gov/radnet/>
- Safecast, <http://blog.safecast.org/>
- Schoch-Spana, M., N. Bouri, K. Minton, R. Morhard, Norwood, A, Ravi, S., and T. Kirk Sell. *Mass Population Displacement After a Nuclear Terrorist Attack: How to Hasten and Strengthen the Recovery of Uprooted Communities*: UPMC Center for Health Security, 2013.