

Finding Resonance in the Real World?

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Risk Profiling – Air Taxi Sector

- Helicopters and Fixed wing
- Up to 9 Passengers
- Providing:
 - Transportation
 - Aerial Work
- Diverse Operations



Pacific Region

- Western Coastal Terrain
- Mountains
- Weather
- Isolated Operations
- Single Pilot

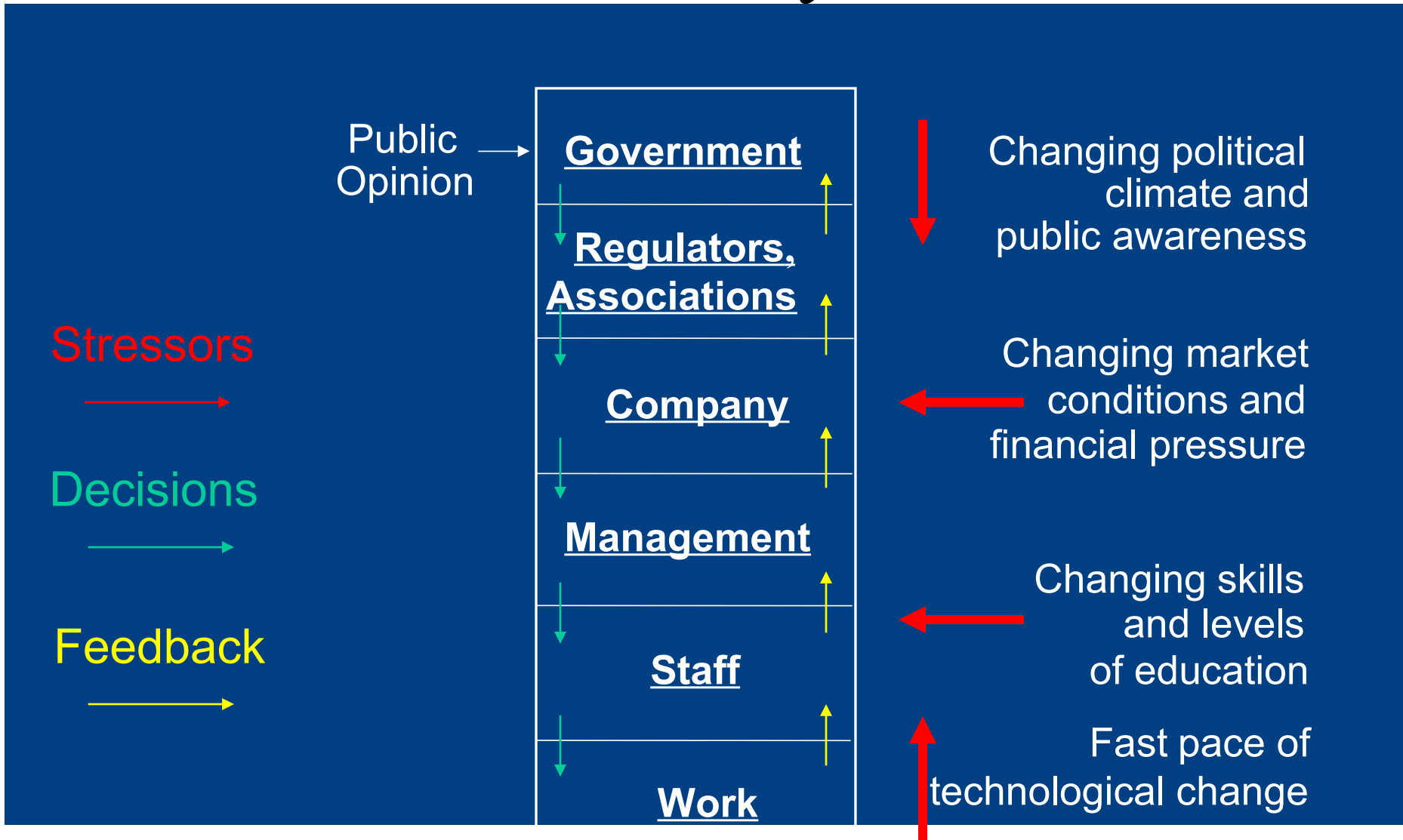
Method

- Historical Review
- Adapted Generic Error Modeling System (Reason, 1990)
- Rasmussen's Risk Management Framework*
- Accident Mapping (ACCIMAP)**

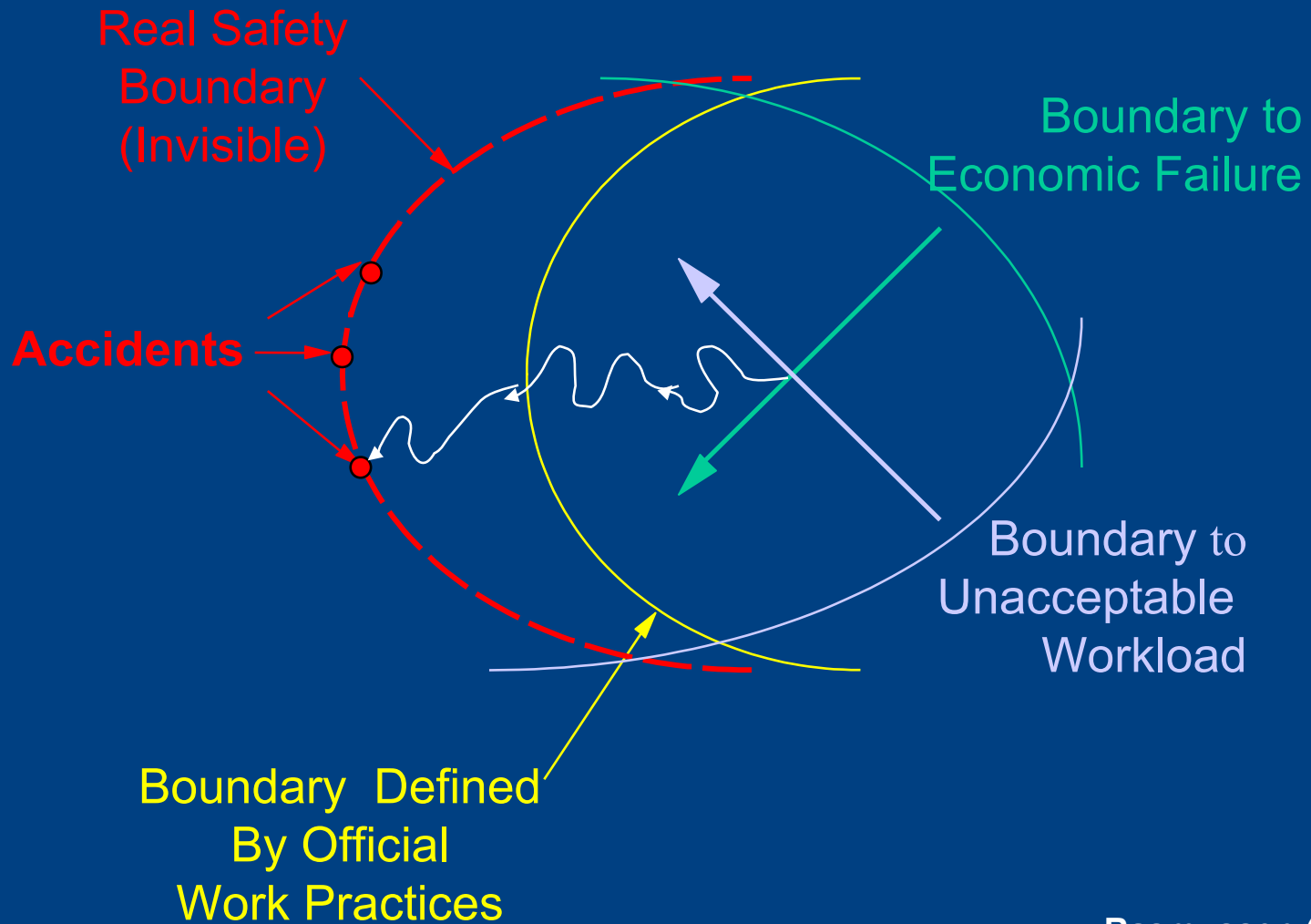
*Rasmussen, J. (1997). Risk management in a dynamic society: A modelling problem. *Safety Science*, 27, 183-213.

**Rasmussen, J., & Svedung, I. (2000). Proactive risk management in a dynamic society. Karlstad, Sweden: Swedish Rescue Services Agency.

Structural Hierarchy of Actors



Dynamics



Results

- 125 Accident reports analyzed
- AGEMS analysis of unsafe acts
 - 62% mistakes
 - 2% violations
 - 7% slips
 - 3% lapses
 - 28% undetermined

ACCIMAPS

- Mapped each accident
- Developed generic ACCIMAPS
- Generic ACCIMAPS highlighted interactions
- Interactions guided us to targeted risk control measures
- Is this FRAM?