

# Strategic Foresight Initiative Summary Briefing

National Science and Technology Council  
Disaster Reduction Subcommittee Meeting

May 3, 2012

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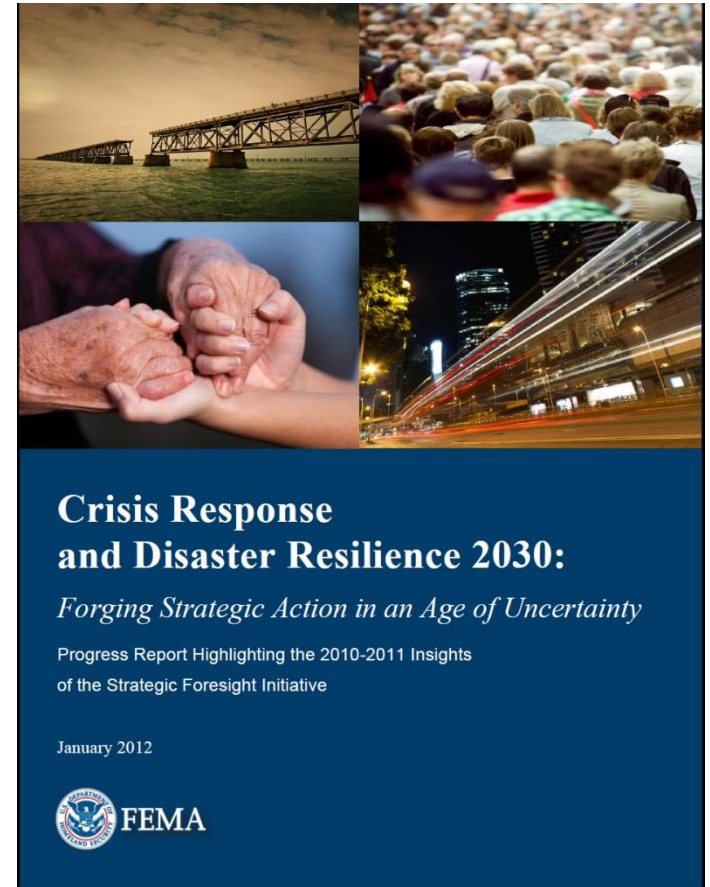
Director, Office of Policy and Program Analysis

# Agenda

- Overview of the Strategic Foresight Initiative (SFI)
- Research and Stakeholder Engagements
- Findings and Insights
- Q&A

# SFI Overview

- Understand the factors driving change that will impact emergency and disaster management over a 20-year horizon
- Develop a shared sense of direction and urgency in the emergency management community that enables us to drive to action
- Collectively prepare for the future across multi-sectors
- Plan for and take action to meet the evolving needs



# Community Involvement

## Emergency Management Community

- Federal, state, local, tribal emergency managers
- First responders
- Business partners
- NGOs
- Other federal agencies
- Academia

## Engaged in:

- Research
- Conference calls and Webinars
- Workshops and conferences
- Online engagement

# SFI Approach



# SFI Drivers

**Changing Role of the Individual**

**Climate Change**

**Critical Infrastructure**

**Evolving Terrorist Threat**

**Global Interdependencies**

**Government Budgets**

**Technological Innovation and Dependency**

**Universal Access to and Use of Information**

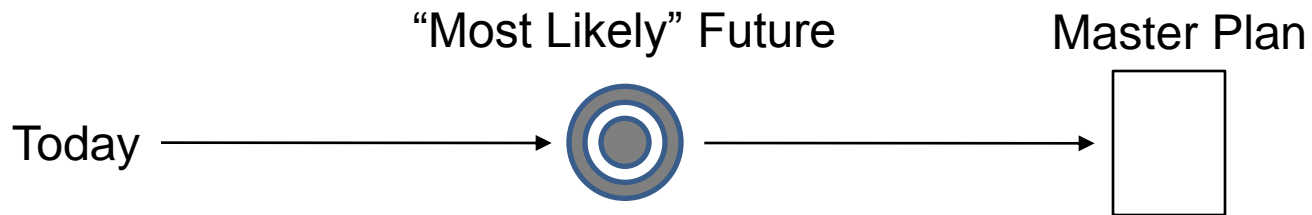
**US Demographic Shifts**

# Select Driver Implications

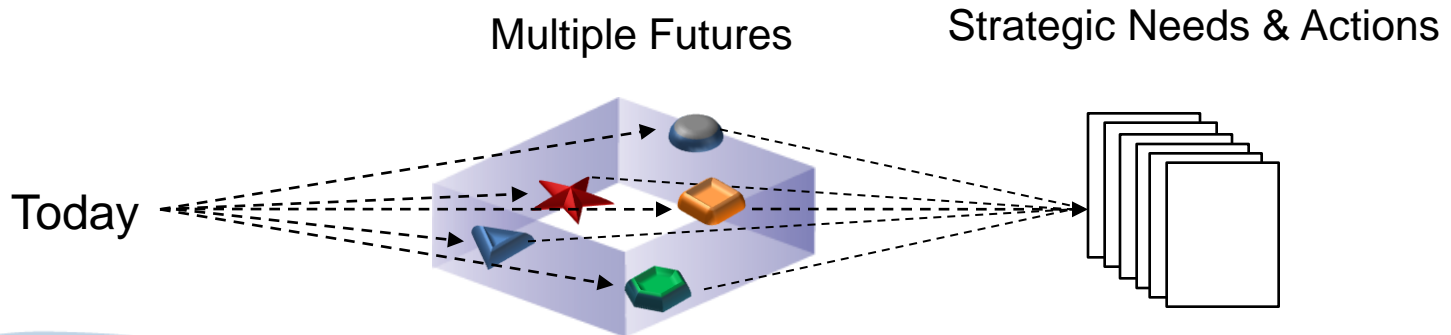
- Aging infrastructure will challenge response and recovery
- Global interdependencies raise questions about the emergency management community's role in international events
- Advances in technology (e.g. smartphones, tablets) empower individuals by broadening access to information and promoting a sharing rather than hierarchical information environment
- US demographic shifts – i.e. larger, older, more diverse, and more geographically concentrated – pose challenges to communication, response and recovery efforts, among others

# Scenario Planning

## Predictive Planning:



## Scenario Planning:





# Scenario Workshop Findings

Strategic Need Theme	Strategic Needs
<b>Essential Capabilities</b>	<ul style="list-style-type: none"> <li>▪ Develop emergency management capabilities to address population and migratory shifts</li> <li>▪ Omni-directional communication</li> <li>▪ Public training and education</li> <li>▪ Leverage volunteer capabilities</li> <li>▪ Futures thinking and planning</li> </ul>
<b>Innovative Models and Tools</b>	<ul style="list-style-type: none"> <li>▪ Alternative surge models</li> <li>▪ New risk management tools and processes</li> <li>▪ Influence technology</li> <li>▪ Flexible frameworks</li> <li>▪ Collaborate around shared interests</li> <li>▪ Supply and natural resource vulnerabilities</li> </ul>
<b>Dynamic Relationships and Partnerships</b>	<ul style="list-style-type: none"> <li>▪ Empower individuals and communities</li> <li>▪ Engage business community</li> <li>▪ International collaboration</li> <li>▪ Collaboration with military</li> </ul>

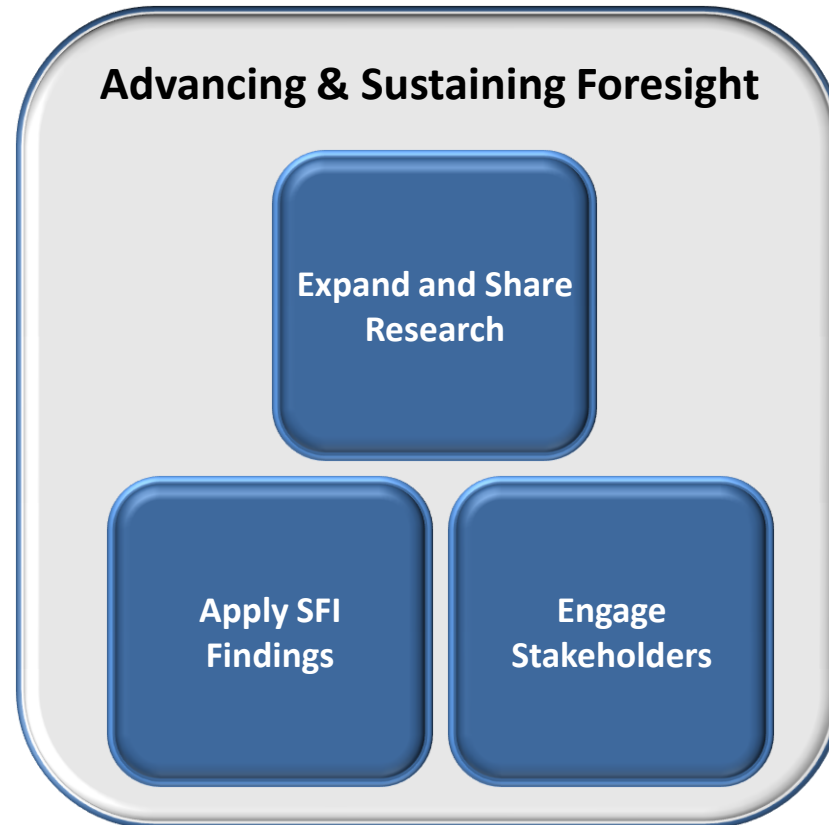
# Understanding Strategic Needs

- Omni-directional knowledge sharing
- Full public/private involvement in all phases of emergency and disaster management
- Alternative surge models
- Enabling frameworks for cross-sector activity
- New risk management tools and processes

# Our Future Landscape

- We will face increasing complexity and decreasing predictability
- Future resource constraints are seemingly unavoidable
- Individuals, families, neighborhoods, communities, and the private sector will likely play an increasingly active role in meeting emergency management needs
- Trust – between the public and government – must be strengthened

# Advancing and Sustaining Foresight



# Get Involved in SFI

- Email [FEMA-OPPA-SFI@fema.gov](mailto:FEMA-OPPA-SFI@fema.gov) to get involved in SFI and to receive regular updates and information on engagement opportunities
- Engage in the online dialogue:  
[www.fema.ideascale.com](http://www.fema.ideascale.com)
- Visit our Web site:  
[http://www.fema.gov/about/programs/oppa/strategic\\_foresight\\_initiative.shtm](http://www.fema.gov/about/programs/oppa/strategic_foresight_initiative.shtm)

**Thank You!**