CARRI and the Community Resilience System

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Where we are

- "[We have] . . . seen many anomalies in disaster sites, including immediate adjacent communities with markedly different post-event experiences. We have seen millions of dollars directed at activities with no apparent long-term benefits to the community. Some locales get better, some get worse, and a few wither away." (Alesch, 2001 1-2)

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CARRI — How did we get here?

How can we assess community resilience?

How can we enhance it?

Community & Regional RESILIENCE Institute

National Stakeholders + Research + Partner Communities

Community Resilience System Initiative

National collaborative effort to develop a system to achieve more resilient communities

2007

Partnership among MS universities, ORNL and SRNL

2007-09

Communities: Charleston, SC

**Gulfport, MS
Memphis, TN**

Steering Committee

Subject Matter | Community Leaders | Incentives & Reward

Pilot Communities

Outreach and Education

Community & Regional Resilience Institute
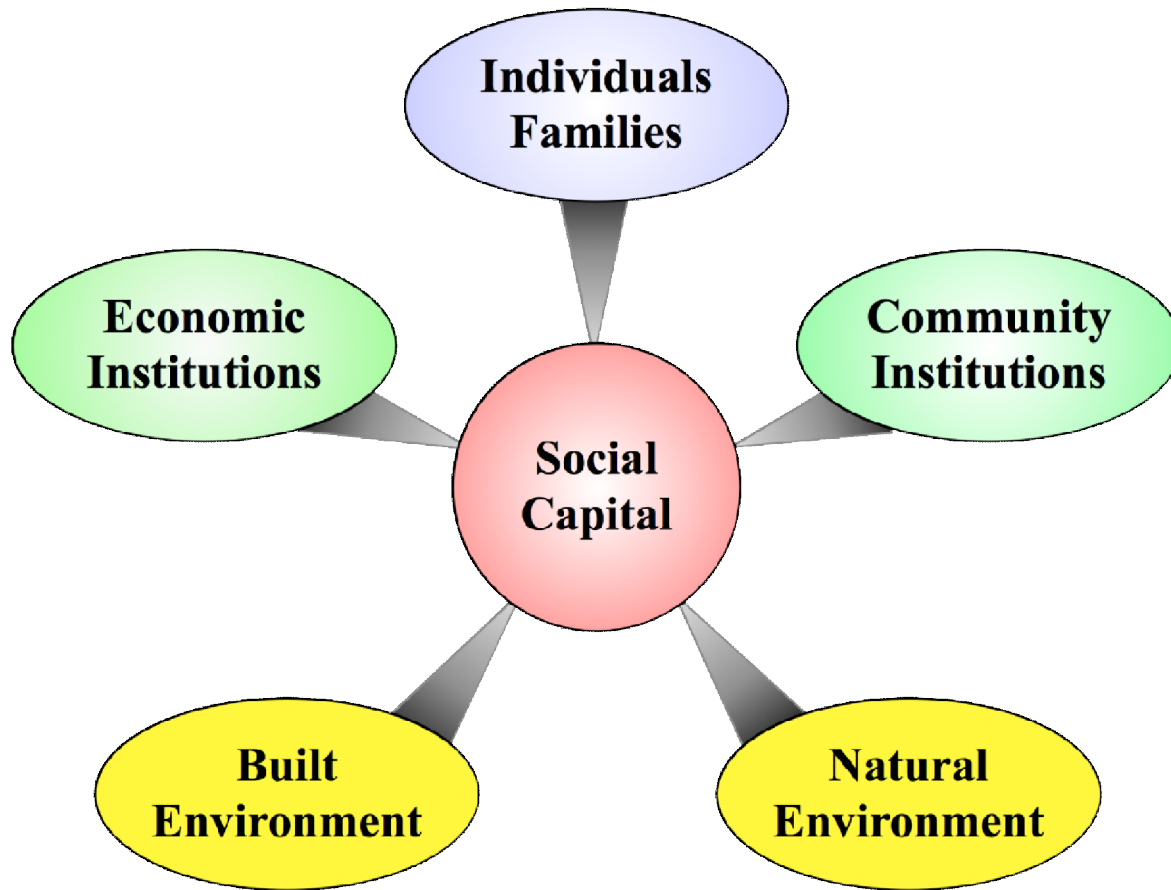**CARRI**

2009-11

Threats to our communities

- **Growing complexity**
- **Accelerating rate of change**
- **New spectrum of threats**
- **Great Recession**
- **Demographic shifts**
- **Unrealistic expectations**
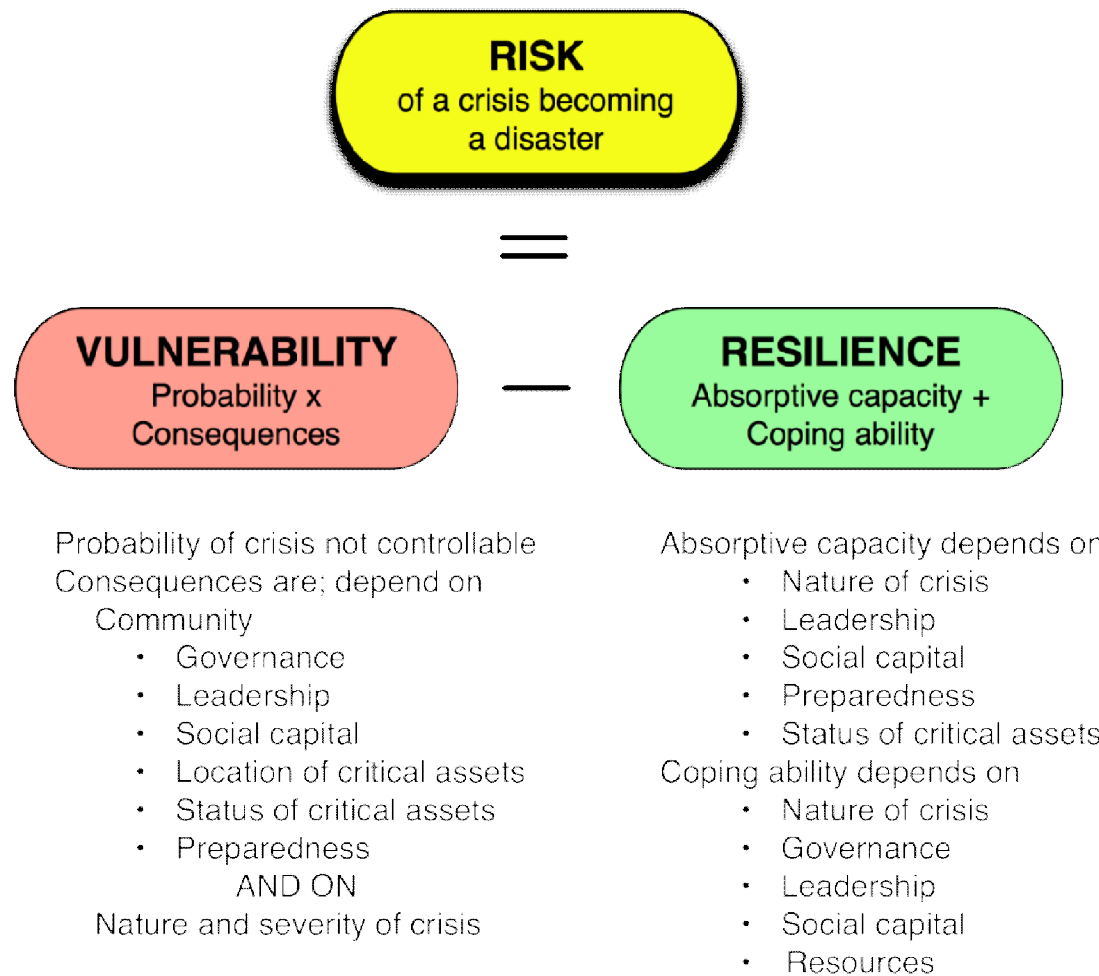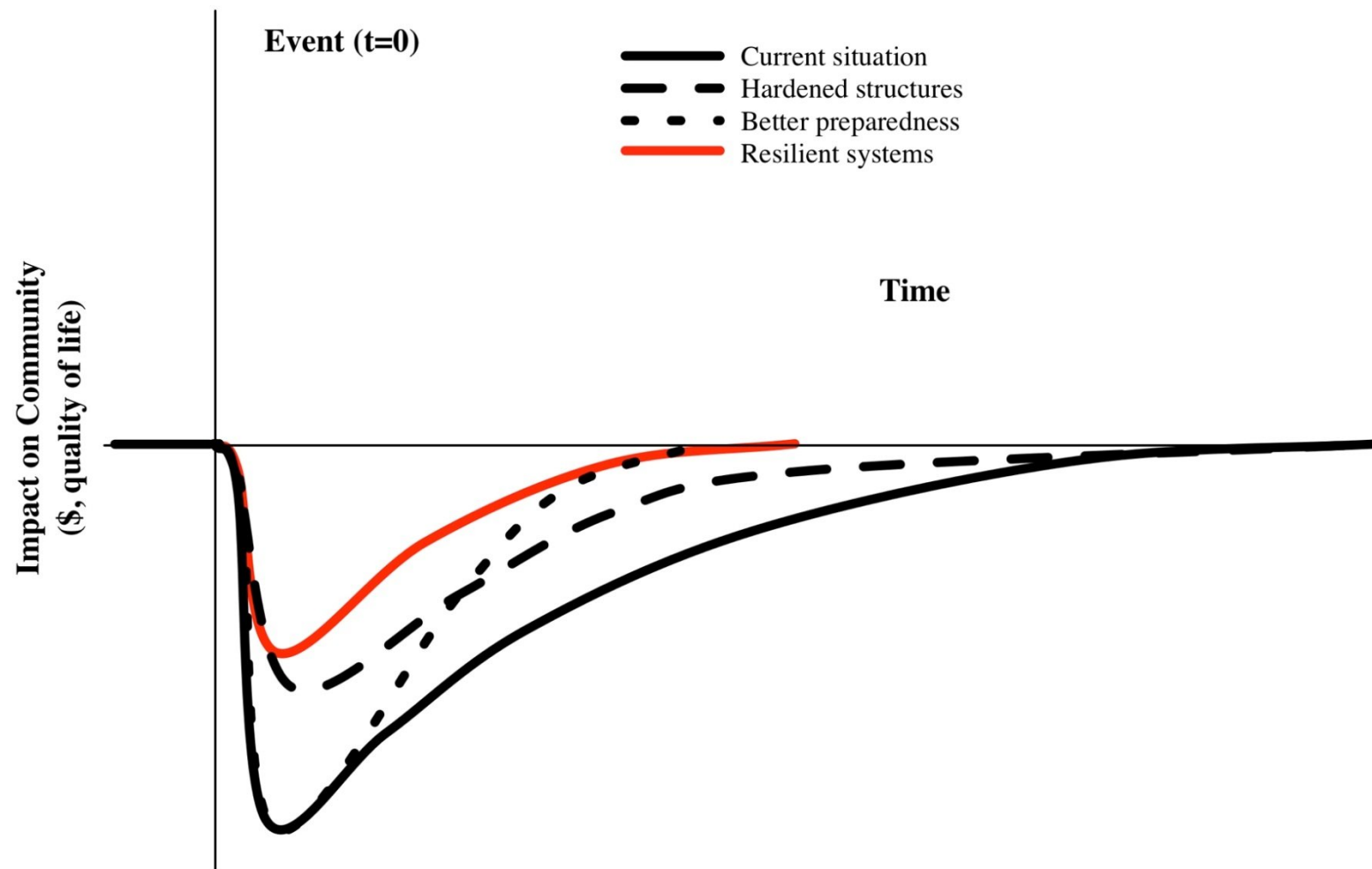- **Loss of valuable personnel, including managers**

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Bases for CRS: Community *ecosystem*

Bases for CRS: Whole community

Human
Individuals and Families; Communications; Public Health; Education; Arts, Entertainment and Recreation

COMMUNITY SERVICES

Institutions
Local Government; Public Safety and Security; Communications; Community Records; Economic; Financial; Workforce; Food Supply and Distribution

Environment
Natural Environment; Transportation; Water; Energy; Solid Waste; Housing

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Bases for CRS: Community risk management

RISK
of a crisis becoming
a disaster

=

VULNERABILITY
Probability x
Consequences

—

RESILIENCE
Absorptive capacity +
Coping ability

Probability of crisis not controllable
Consequences are; depend on
Community
- Governance
- Leadership
- Social capital
- Location of critical assets
- Status of critical assets
- Preparedness
  AND ON
Nature and severity of crisis

Absorptive capacity depends on
- Nature of crisis
- Leadership
- Social capital
- Preparedness
- Status of critical assets
Coping ability depends on
- Nature of crisis
- Governance
- Leadership
- Social capital
- Resources

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Bases for CRS: Recovery

Bases for CRS: Value Proposition

Resilient Communities …

Are more *competitive* – nationally and globally

Are more *vital* – higher quality of life; more confident

Are less crisis-prone; the chronic doesn't't become acute

When disrupted, recover rapidly using fewer resources; with little loss of economic or social vitality

Have greater control of their own destinies – rely less on limited federal resources; find opportunities in crises

May also realize tangible value

    Insurability and/or lower insurance rates

    New businesses

    More credit-worthy

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What is the Community Resilience System?

An integrated system with embedded tools to help:

Organize

> **Form Leadership Team that engages entire community**

Assess

> **Identify strengths, weaknesses, assets, distinctive community character, connections, threats**

Plan

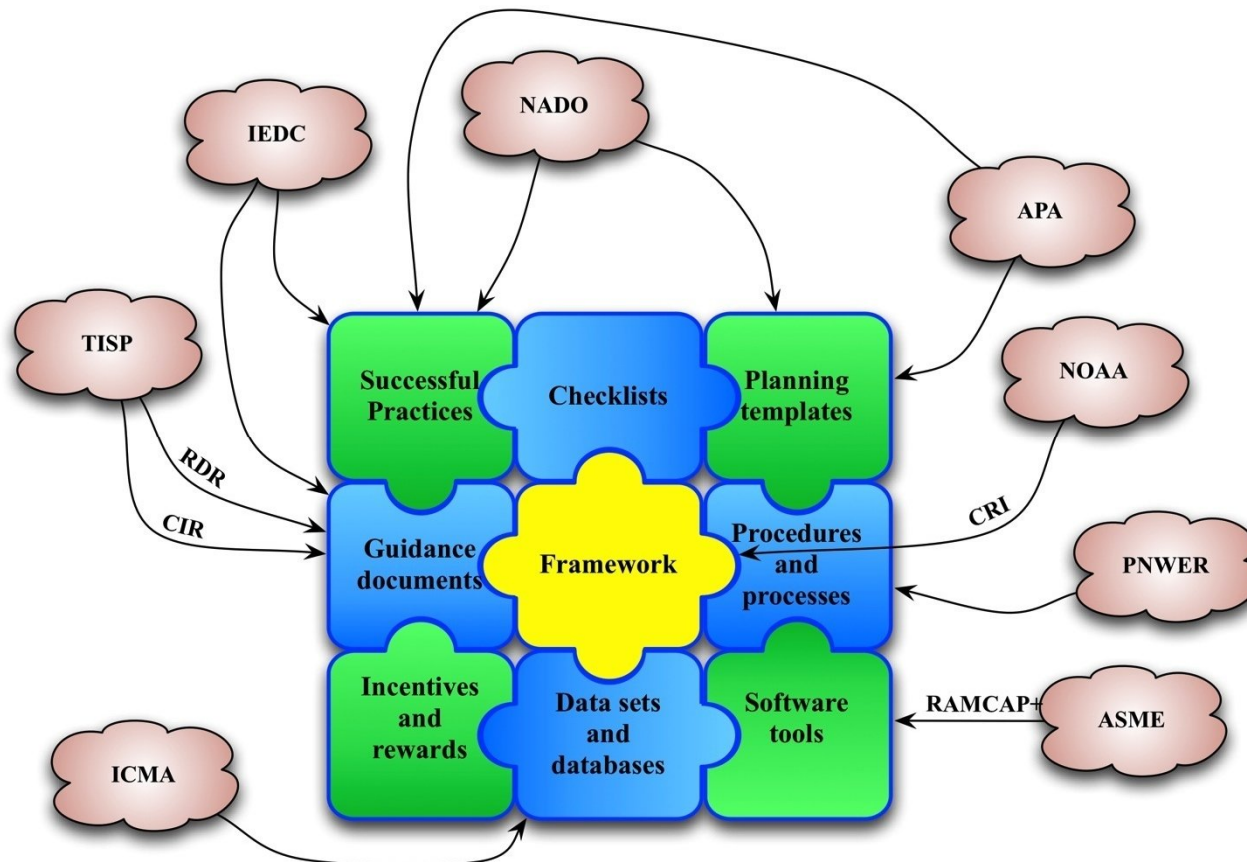> **Develop realistic vision/goals, and an action plan**

Implement

> **Mobilize community to take actions**

> **Periodically monitor progress, and alter course as necessary**

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Community Resilience System

CRS Implementation

- **Web accessible (not downloaded)**

- **PC, Mac and hopefully iPad**

- **Browsers: IE, Safari, Firefox**

- **Guided and Direct Navigation**

  - **Flexible and easy to move around system**

  - **Have a SIMPLE way to find information**

  - **Protected workspace**

  - **Help, Email, mentoring … available on every page**

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Development of CRS

- Development by four teams
  - Community leaders working group
  - Subject matter working group
  - Resilient benefits group (federal gov't, insurers, bankers)
  - CARRI staff
- Development of this integrated "Whole of Community" system nearing completion
  - Kickoff 9/8 (Tenth Anniversary of 9/11 Summit)
  - Pilot Communities selected:
    - Anaheim, California; Anne Arundel County and Annapolis, Maryland; Charleston and the Tri-County Area, South Carolina; Gadsden, Alabama; Greenwich, Connecticut; the Mississippi Gulf Coast; and Mount Juliet, Tennessee.

  -

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Critical Success Factors

- Engage the community (be inclusive)

- Do the analysis

- Focus on strengths (assets)

- Write it down (have a plan)

- Enable and empower emerging leaders

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It takes a community to be resilient…

- "Normally it is left to us first responders to put Humpty Dumpty back together again. We can only do so much; it has to be a community effort – both government and the private sector.

- We didn't build our cities by government alone, and when something big happens, government will never be able to do it alone." --- *Pat Sullivan, Fire Chief, Gulfport*

Contact us:

For more information about the CRS please contact: info@resilientus.org, or 803-257-1760

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