

Defining and Addressing Climate Resilience

CLIMATE-READY WORKFORCE FOR COASTAL STATES, TRIBES, & TERRITORIES COMPETITION

INFORMATIONAL WEBINAR July 12, 2023

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- CRW OVERVIEW
- RESILIENCE CONCEPTUAL DEFINITION
- "ENHANCE CLIMATE RESILIENCE" AND THIS COMPETITION
- QUALIFYING SCENARIOS
- Q&A



OVERVIEW

Climate Ready Workforce for Coastal States, Tribes, and Territories (CRW)

Important Dates

IRA CLIMATE READY WORKFORCE COMPETITION

General Information	Definition of Resilience	General Information	Leveraging Partnerships	Tips for Applicants

Informational Webinars

https://seagrant.noaa.gov/crw

- recordings with captions
- pdfs of Q&A

Letters of
Intent dueApplications
dueNov. 30Feb. 13, 2024sg.grants@noaa.govgrants.gov

Application Materials



Inflation Reduction Act 2022

Confront the existential threat of the climate crisis

Lower consumer costs

Drive the global clean energy economy forward

GOAL

Recruit, train, and place workers in good jobs that enhance climate resilience

NOAA Partnership Model

IRA Climate Ready Workforce

National Sea Grant Office

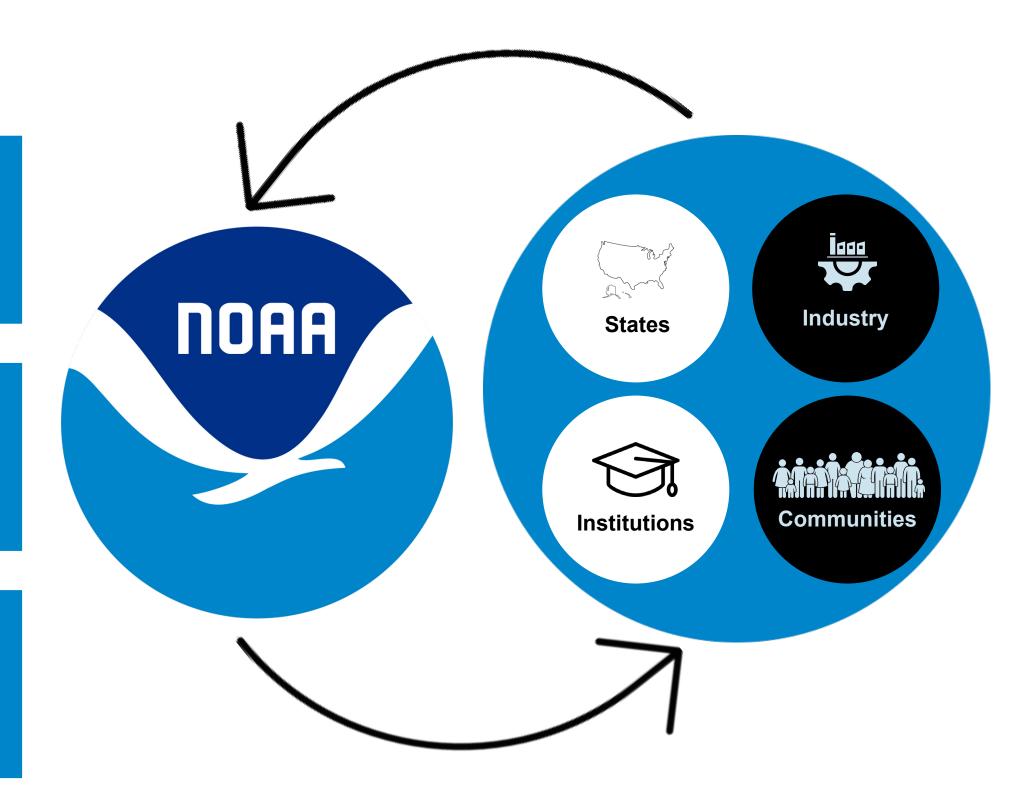
- NOFO processing and management
- Grants Administration

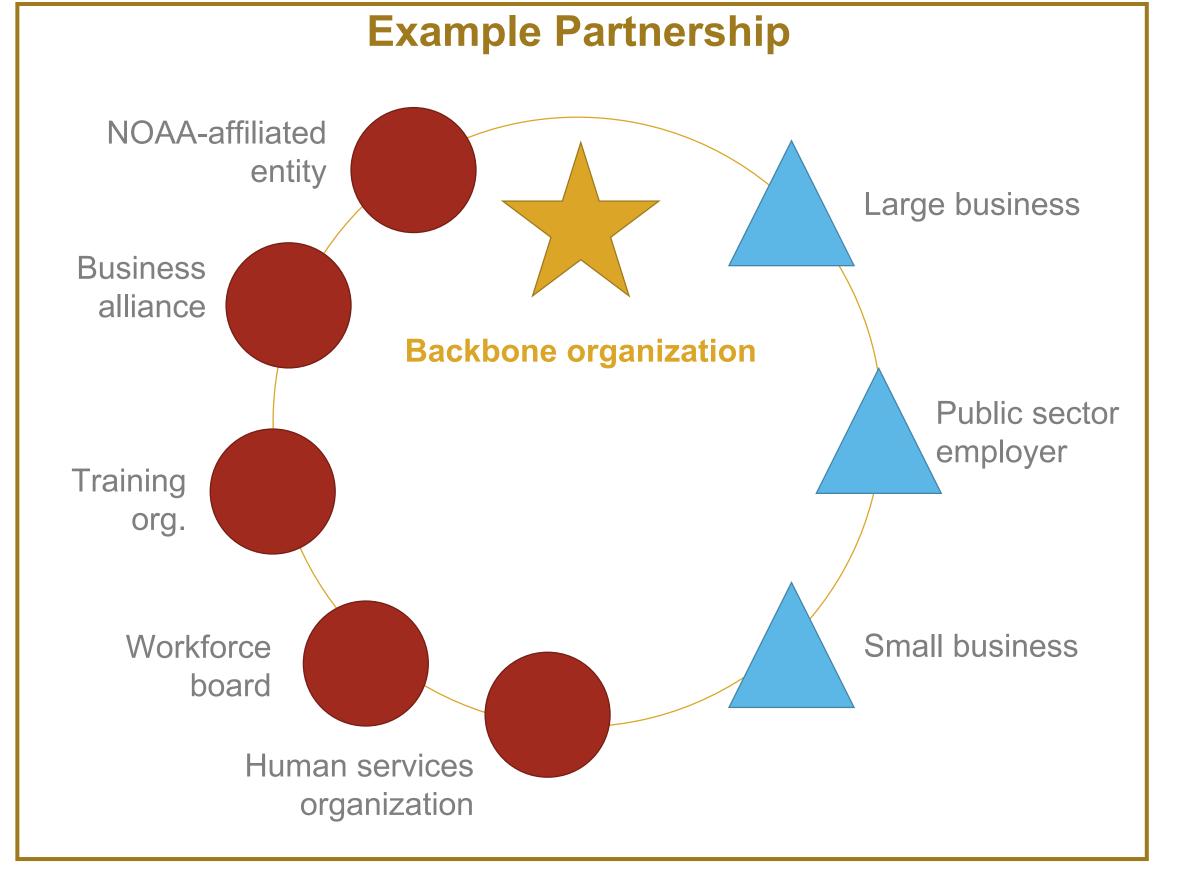
Climate Program Office

- Climate Resilience Technical Assistance
- Knowledge Sharing Platform
- Reporting & Monitoring

Office for Coastal Management

Training







Backbone Organization (leader for partnership)



Strategic Partner



Employer Partner

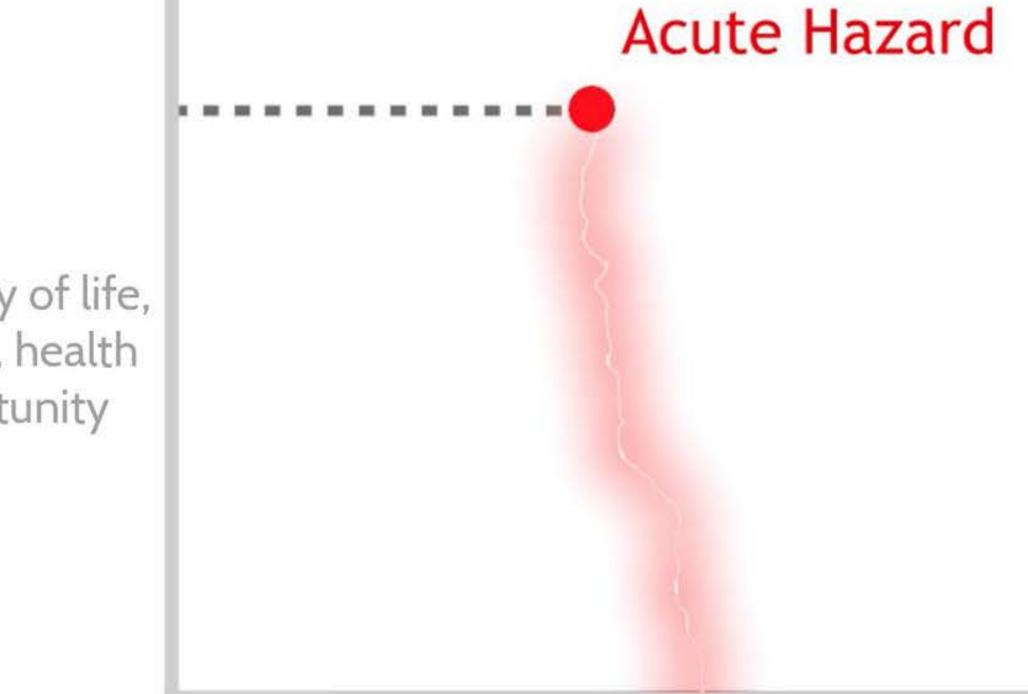


RESILIENCE

Conceptual definition

Business as Usual

Quality of life, safety, health opportunity



Quality of life, safety, health opportunity

Time

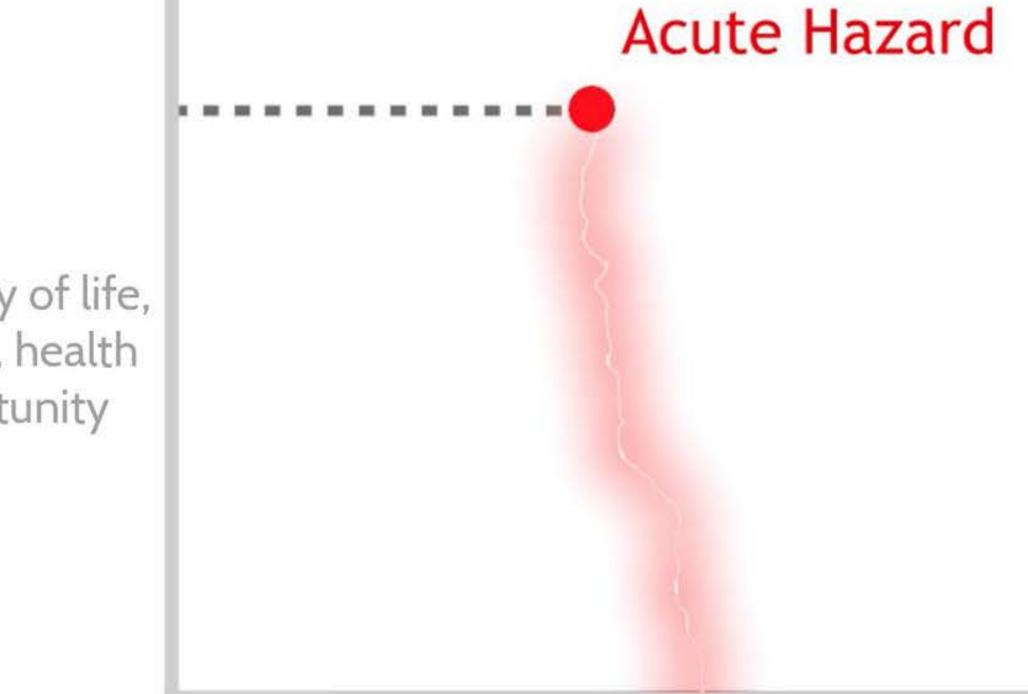


Time

Business as Usual

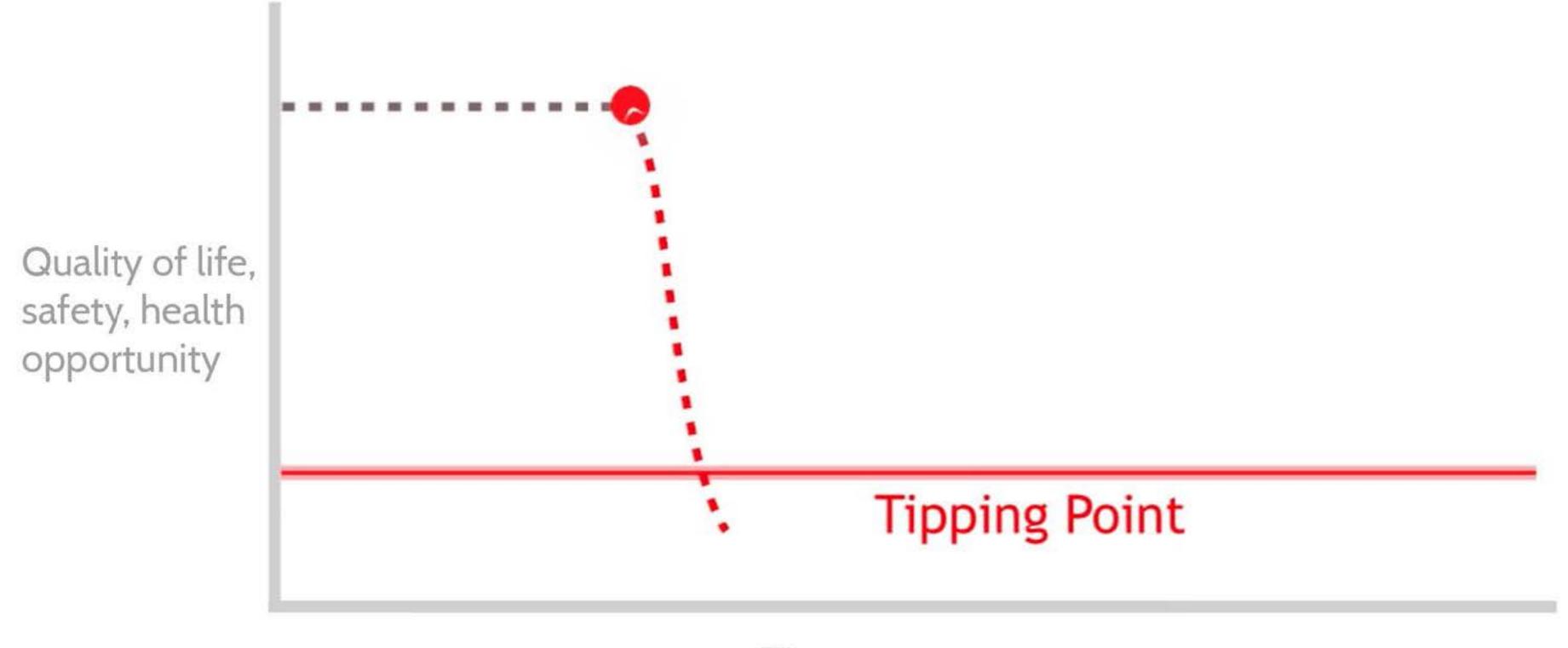
Quality of life, safety, health opportunity

Time

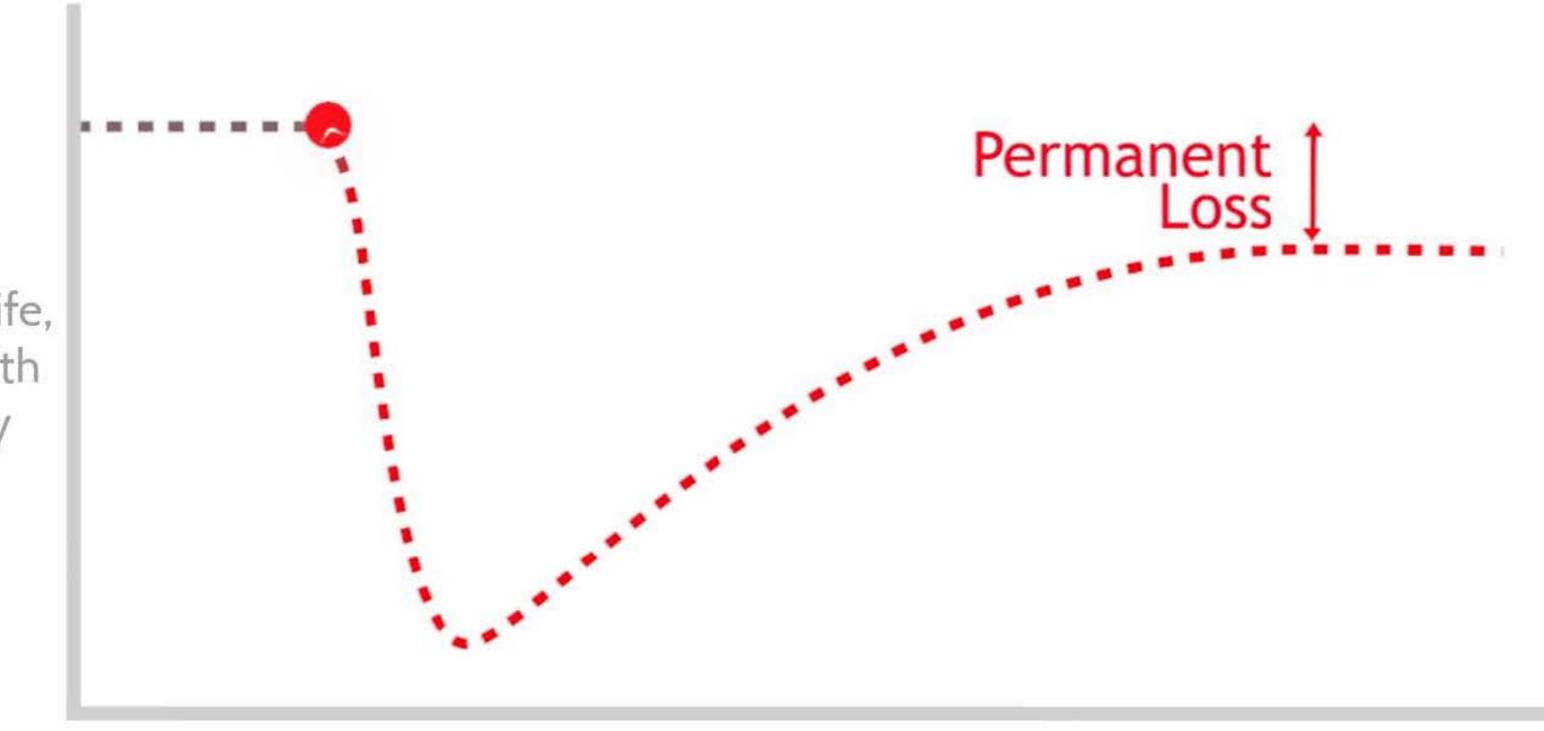


Quality of life, safety, health opportunity

Time



Time



Quality of life, safety, health opportunity

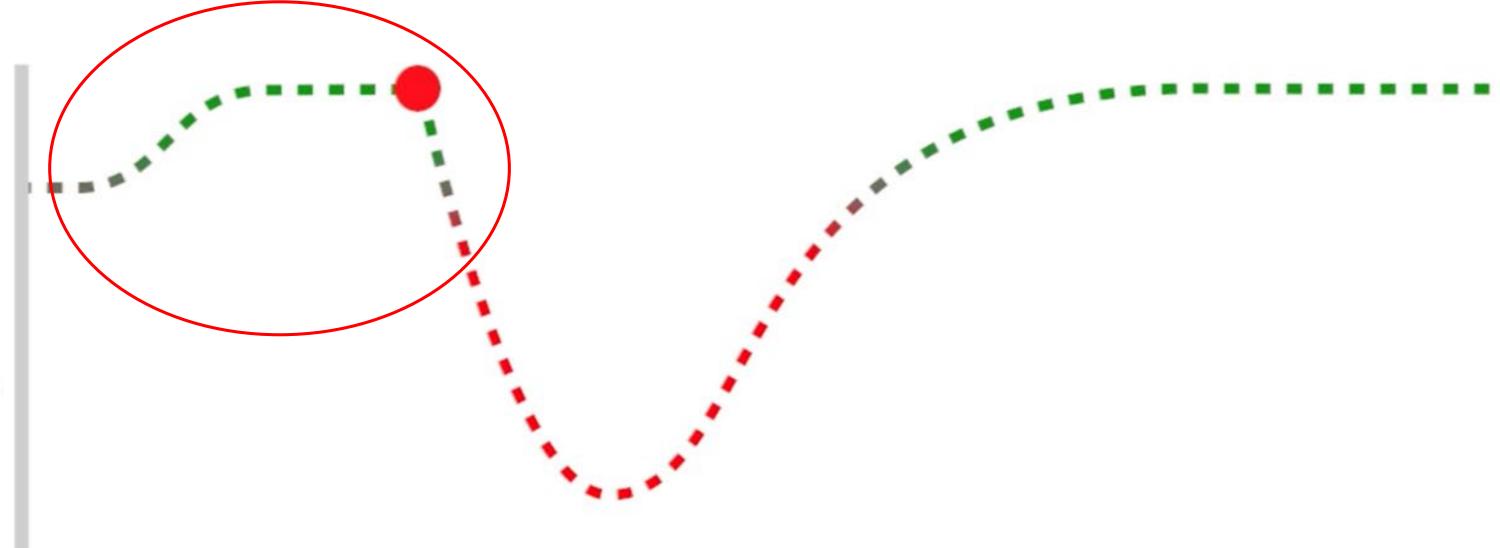
Time

Quality of life, safety, health opportunity

areas

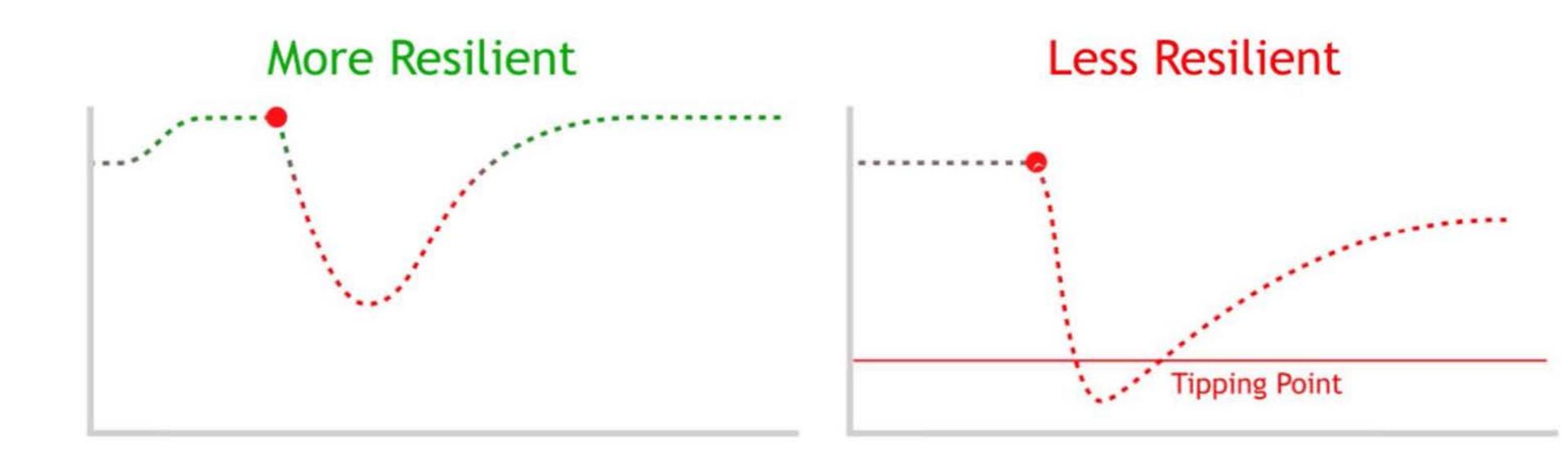
Time

Quality of life, safety, health opportunity

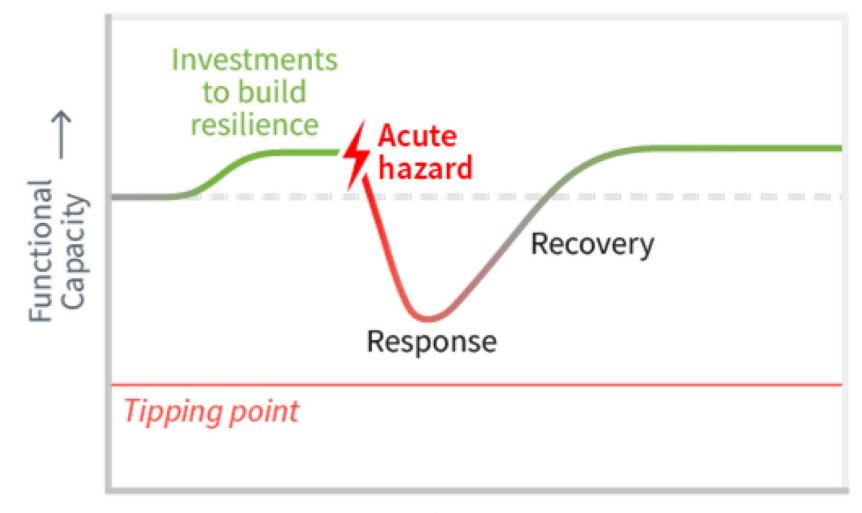


Investments to build resilience

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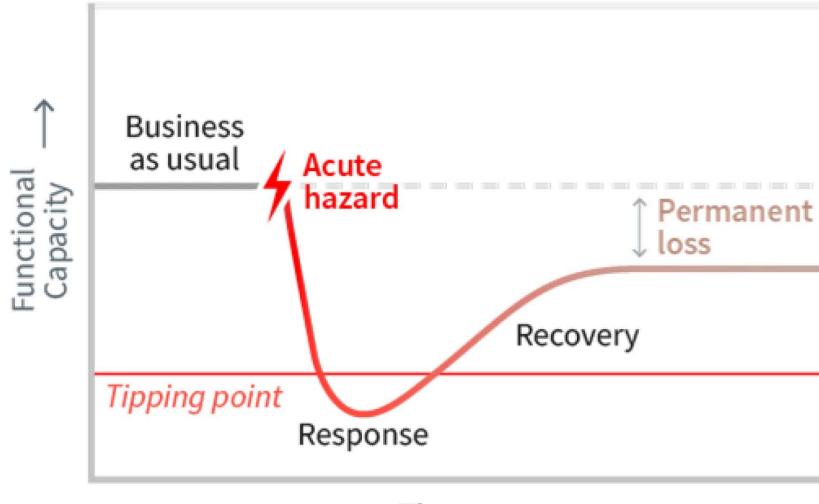


More Resilient



Time \longrightarrow

Less Resilient



Time \longrightarrow



"Enhance Climate Resilience"

Four qualifying definitions within the CRW Notice of Federal Opportunity

Skills that <u>solely</u> lead to the reduction of greenhouse gas emissions (i.e., "mitigate climate change") as their primary focus (for example, building renewable energy infrastructure) are not included under "good jobs that enhance climate resilience," for the purpose of this funding opportunity. However, where greenhouse gas reductions are cobenefits of resilience efforts, such projects are welcome.

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- a. Articulate historical precedents leading to differential exposure of people to climate-related hazards.
- b.Include diverse voices in delivering climate resilience priorities.
- c. Establish community consent and support for climate resilience priorities, including how to identify impacts of greatest concern before, during, and/or after a climate-related event.

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- b. Evaluate potential impacts so return on investment may be assessed and compared.

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- c. Measure initial conditions.
- d. Evaluate and measure actions to enhance climate resilience.
- e. Develop funding and finance plans for resilience projects.

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- Reduce climate-related vulnerability and/or risk

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People Ecosystems

Assets "Other" defined by the applicant partnership

4. Other skills

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- a. The applicant must demonstrate that "other skills" are necessary to complete climate resilience work that may be missing in the applicant's workforce
- b. Such skills may be defined by climate-resilience plans, employers, and resilience experts.



Climate Service Practitioners

Academia

Non-profit & Private Sectors

State, Local, and Tribal Government

Federal Government

Skills/Backgrounds

Planning
Facilitation
Spatial analysis
Data science
Earth system science
Engineering
Management
Project management
Community engagement
Hazard mitigation

Communities, Regions, Businesses, and Sectors





Practitioner Guidance Sesilience Toolkit

- Practitioner Guide for Implementing the Steps to Resilience
- Ready-to-Fund Resilience: Technical Input Paper
- Centering Equity in Climate Resilience Planning and Action: a Practitioner's Guide
- Moving from Faith-based to Tested Adaptation Process and Approach: How Will We Know We're Adapting?
- Incorporating Nature-based Solutions into Community Climate Adaptation **Planning**

https://toolkit.climate.gov/content/practitioners-guidance-implementing-steps-resilience





Scenarios

... how climate-informed skills might be incorporated into new or enhanced worker roles...

Scenario 2 - one skill, multiple roles

Recognizing that some groups face a greater risk of heatrelated illness than others, as a result of age or poor health, or the lack of resources that enable them to adapt or recover, a major municipal health-care provider partners with community groups to create 125 entry to mid-level positions for heat-health outreach specialists/assistants, nurses, and home health coordinators to talk with patients, visit homes, and help residents identify current and future heat-health risks and connect those residents with community resources to mitigate them.

Scenario 3 - multiple skills, one role

A region's coastal-resilience plan requires crews that can address coastal erosion using nature-based solutions. One thousand workers are retrained in multiple cohorts for entry-level work on coastal landscapes, with special training on erosion prevention, uses of native plants, and wetland restoration.

Scenario 4 - multiple skills, one role

A new partnership has identified a new local government worker role, Climate Resilience Officer, is needed in urban communities in a multi-state region to work with disadvantaged community leadership to incorporate local knowledge of recurrent flooding and elevated flood risks so they can secure funds to protect at-risk populations and improve stormwater management systems, transportation networks, and other critical infrastructure. They propose to recruit and train four cohorts of 20 people each, for a total of 80 new hires.

Scenario 5 - multiple skills, one role

A coalition of community-based organizations in historically underserved communities come together to recruit and train 65 grant managers who have the skills to solicit, write and manage grants to improve climate resilience in those communities.

Scenario 6 - multiple skills, multiple roles

A state's Climate Action Council brings municipal, county and state agencies together to identify a diverse set of needed skills, for which 30 new transportation analysts and 40 new water resource planners will be trained and hired to implement community climate resilience plans.

Scenario 7 - multiple skills, multiple roles

A coastal city has received a large climate resilience federal grant... They have identified essential worker roles that need to be recruited to build a comprehensive flood defense infrastructure project... The city needs to hire 45 resilience landscape technicians and 30 environmental inspectors to bury floodwalls, design landscapes that create a line of elevated ridges, and conduct ongoing modifications and maintenance.



Questions

Please use the webinar's Q&A feature or submit questions via menti.com.

