

An aerial photograph of a city, likely New York City, showing a large green park area (Central Park) and a river (the Hudson River) flowing through it. The image is used as a background for the title text.

RESILIENCE by DESIGN

Samuel Carter
The Rockefeller Foundation

Image: Rebuild by Design

Make no little plans. They have no magic to stir [people]’s blood and probably will not be realized. Make big plans. Aim high in hope and work.

**Daniel Burnham,
Chicago Architect**

How do we
scale resilience
to improve the lives of
millions of poor or
vulnerable people?

Rockefeller Foundation

Approaches to Scale

DEEP:

Catalyzing innovation and integration to reframe how key actors and actions work

BROAD:

Distributing solutions and influencing global debate and practice

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RESILIENCE
by DESIGN

100 RESILIENT CITIES
CENTENNIAL CHALLENGE

Change Paradigms

Pave, pipe, pump and prevent

- **Allowed urbanization of delta and coastal cities**
- **Unintended consequences of increased risks of devastating floods, subsidence, climate change, social isolation and inequality, ecological damage**

Living with Water

- **Adopt multiple lines of defense**
- **Increase long term safety by making room for water**
- **Improve quality of life with water through capture, re-use, and retention to integrate healthy water into public spaces**
- **Create new economic and development opportunities with safe, attractive waterways and water infrastructure**





RESILIENCE by DESIGN

- **Structures of Coastal Resilience**
- **Changing Course**
- **Rebuild by Design**
- **National Disaster Resilience Competition**

SCR

Structures of Coastal Resilience

Agency Partner: US ACE

Scope of Work: North Atlantic
Coast Comprehensive Study

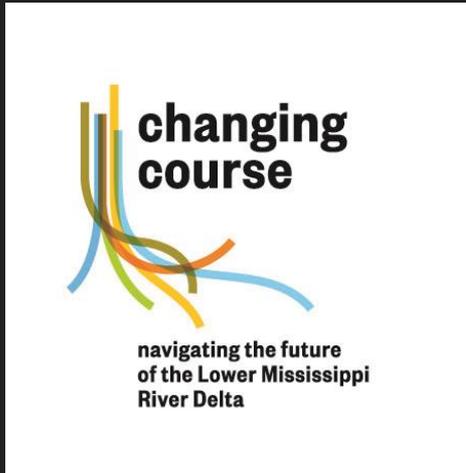
Structure:

-Core Research Unit

**SLR + Storm Modelling for
future storm surge projections**

-Four Design Teams





Partners: US ACE, Port of New Orleans, State of Louisiana

Scope of Work: Lower Mississippi River Delta; part of US ACE Mississippi Valley Authority; Louisiana Coastal Master Plan 2017

Structure:

- Core competition design and management by Environmental Defence Fund, with Van Alen Institute and Buro Happold
- Three Interdisciplinary Teams

REBUILD BY DESIGN

Partners: HUD

Scope of Work: CDBG-DR authority, Sandy affected region.

Structure:

- Selection of 10 Interdisciplinary Teams
- 3 Month Research Stage producing 41 Design Opportunities
- 4 Month Community Engagement and Design stage, producing 10 Final Proposals
- HUD expected to award 920 M to develop six winning proposals.

National Disaster Resilience Competition

Agency Partners: HUD

Scope of Work: CDBG-DR authority, 48 States, Washington DC, Puerto Rico, and 17 additional counties and cities.

Structure:

Initiative to support eligible communities and build their permanent capacity to engage in resilience planning.

-6 Month Phase One to identify need and resilience building solutions

-4 Month Phase Two for project development