

## NOS Constituent Budget Briefing

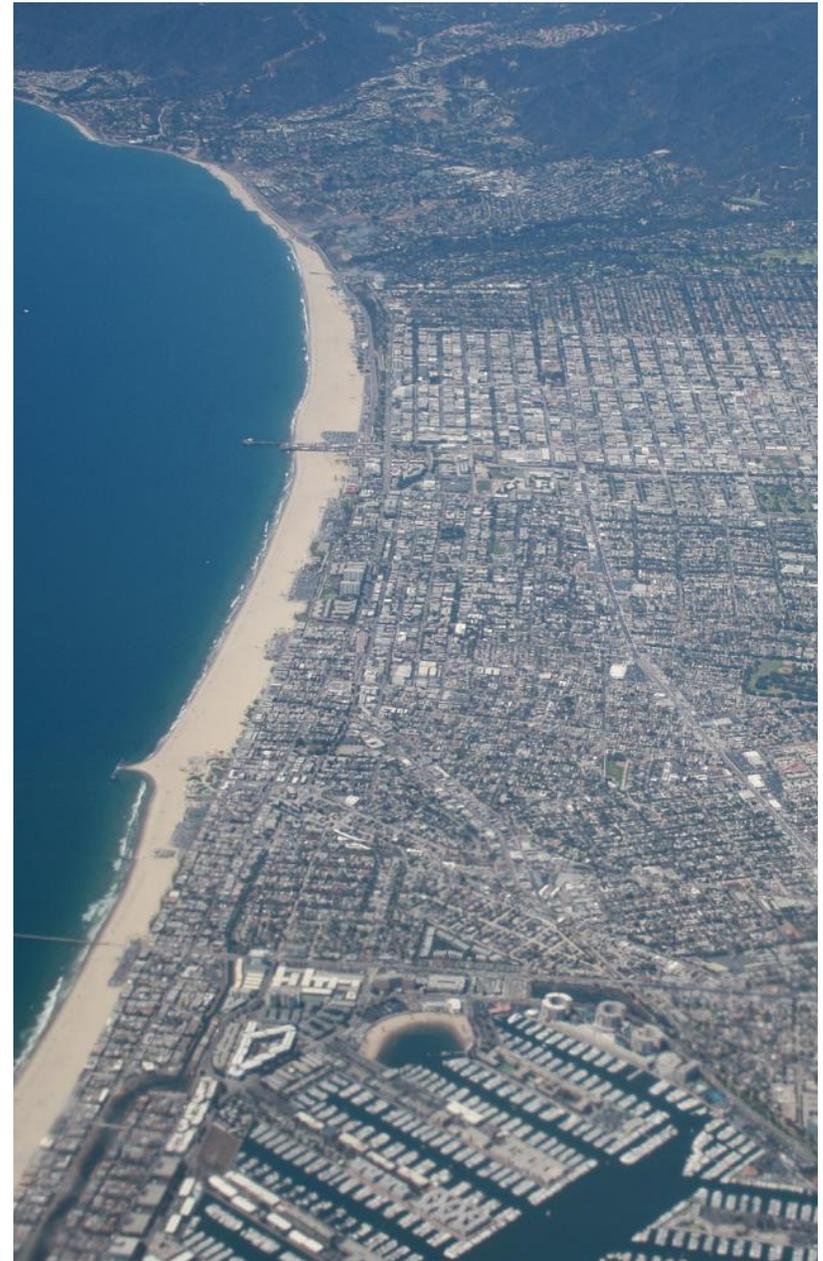
# NATIONAL OCEAN SERVICE



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February 24, 2016

# Outline

- Successes
- FY 2017 President's Budget
- Questions



## Successes

# Coastal Resilience

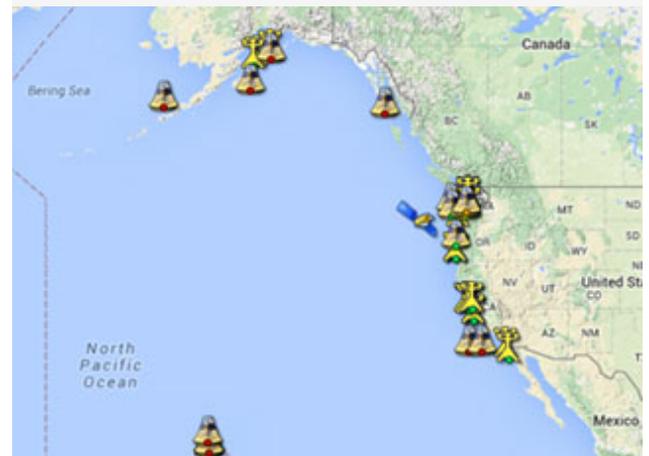
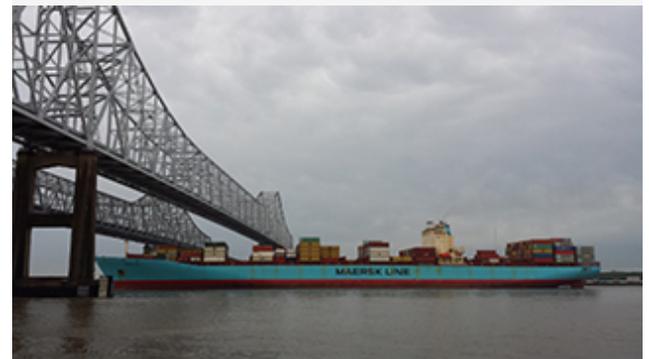
- Restoration plan for the Deepwater Horizon Oil Spill
- Aerial imagery following disasters
- Water level sensors to aid emergency managers in New Orleans
- Lake Level Viewer for U.S. Great Lakes
- NOAA “Little Splash” drill



## Successes

# Coastal Intelligence

- Two new NOAA PORTS®
- LA/Long Beach pilot
- West Coast, Lake Erie HABs
- Ocean acidification data portal
- “GPS on Bench Marks” campaign
- New version of nowCOAST



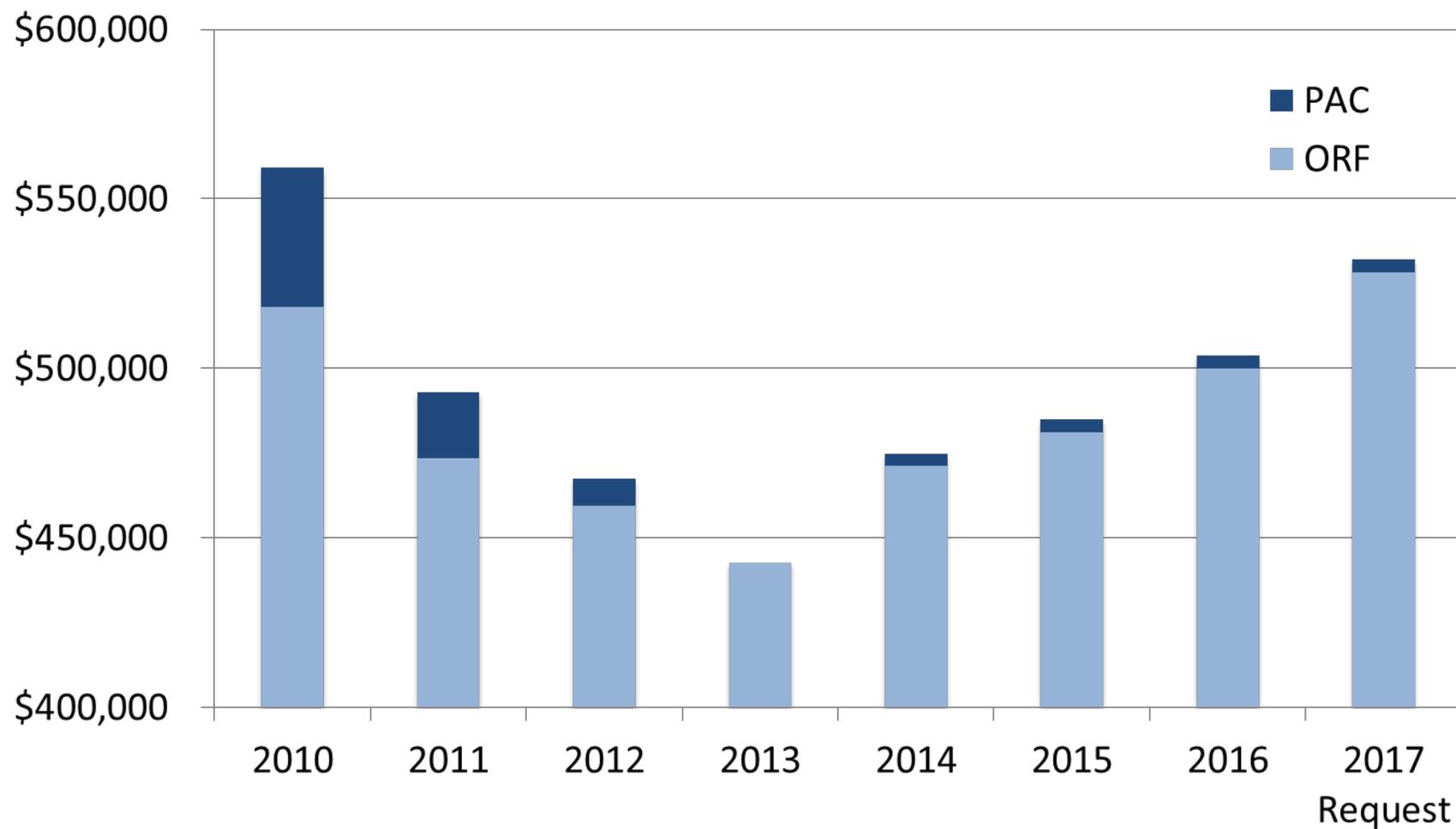
## Successes

### Place-based conservation

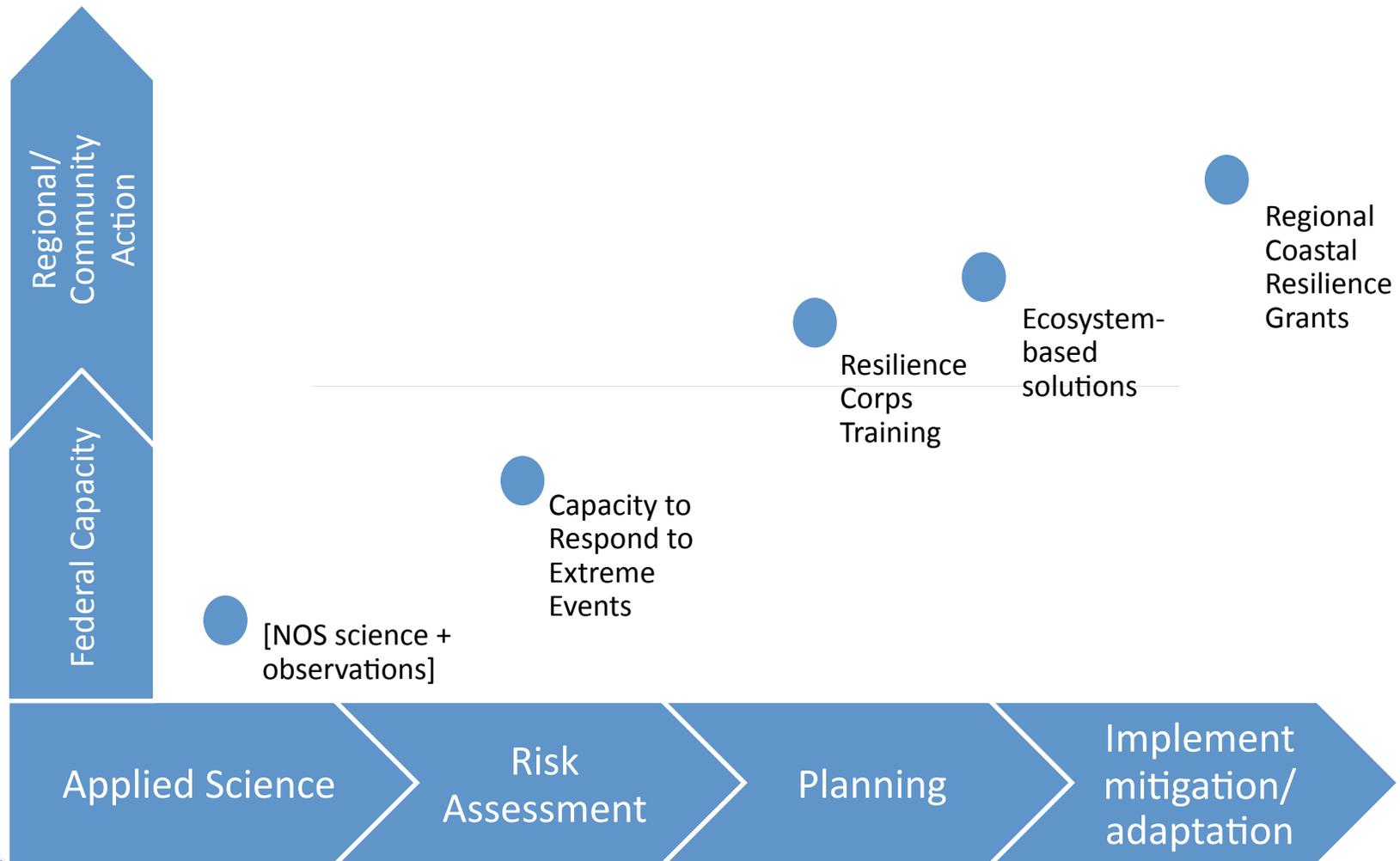
- Two California sanctuaries expanded
- First nominations for possible new sanctuaries
- Two new Habitat Focus Areas
- More than 10,000 acres conserved
- Major coral bleaching event
- Hawaii National Estuarine Research Reserve



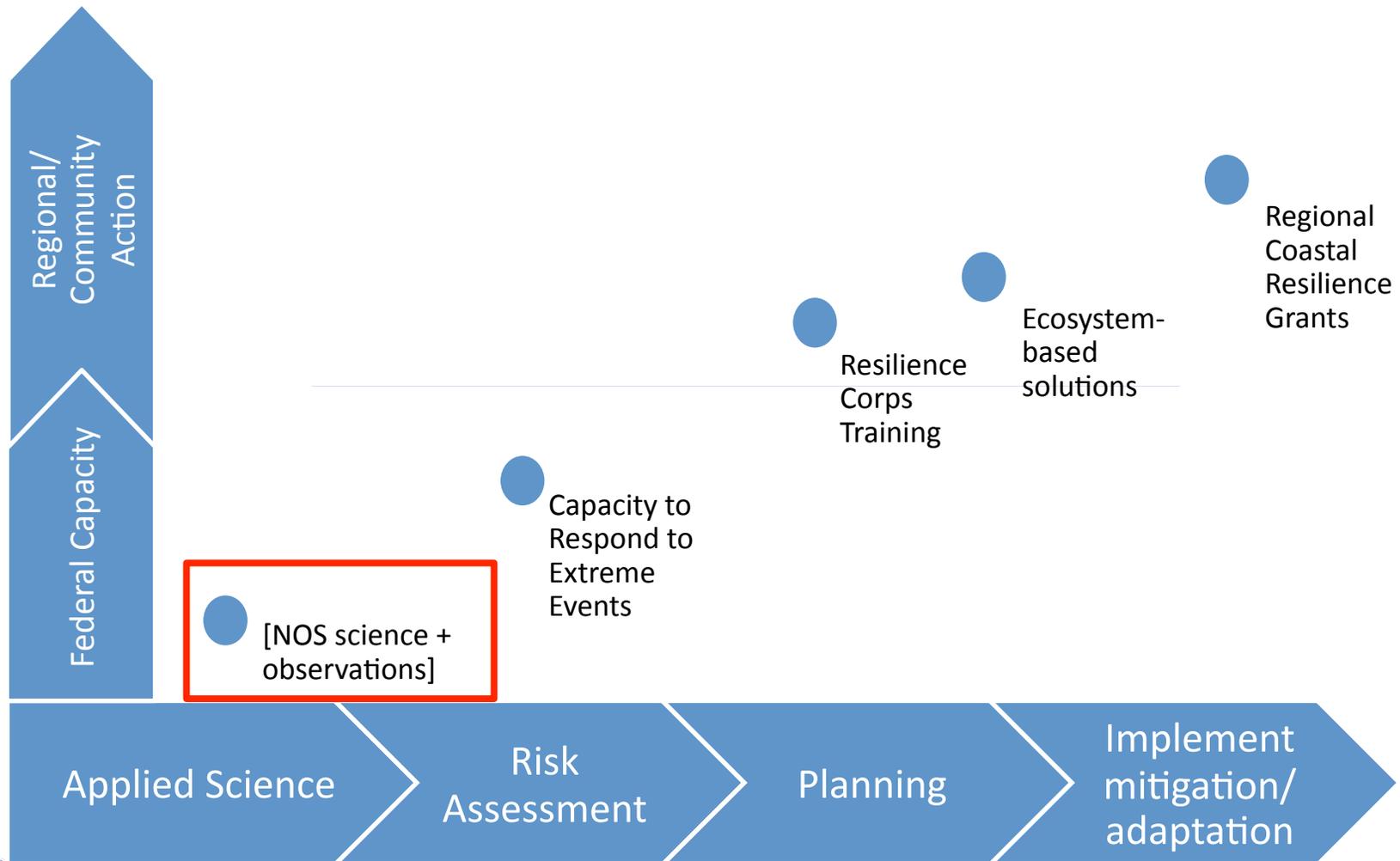
# NOS Budget Trends: FY10-FY17



# Mitigating Risks to Coastal Populations and Resources



# Mitigating Risks to Coastal Populations and Resources



# Integrated Water Prediction

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**+\$2.5 million**  
*(Part of \$12.25 million request)*

- Initiative with National Weather Service
- Provides the Nation's first integrated "summit-to-sea" water prediction capability
- Incorporates atmospheric, terrestrial, and coastal observations and models
- NOS's role: Lead the new service delivery model



# Competitive Research

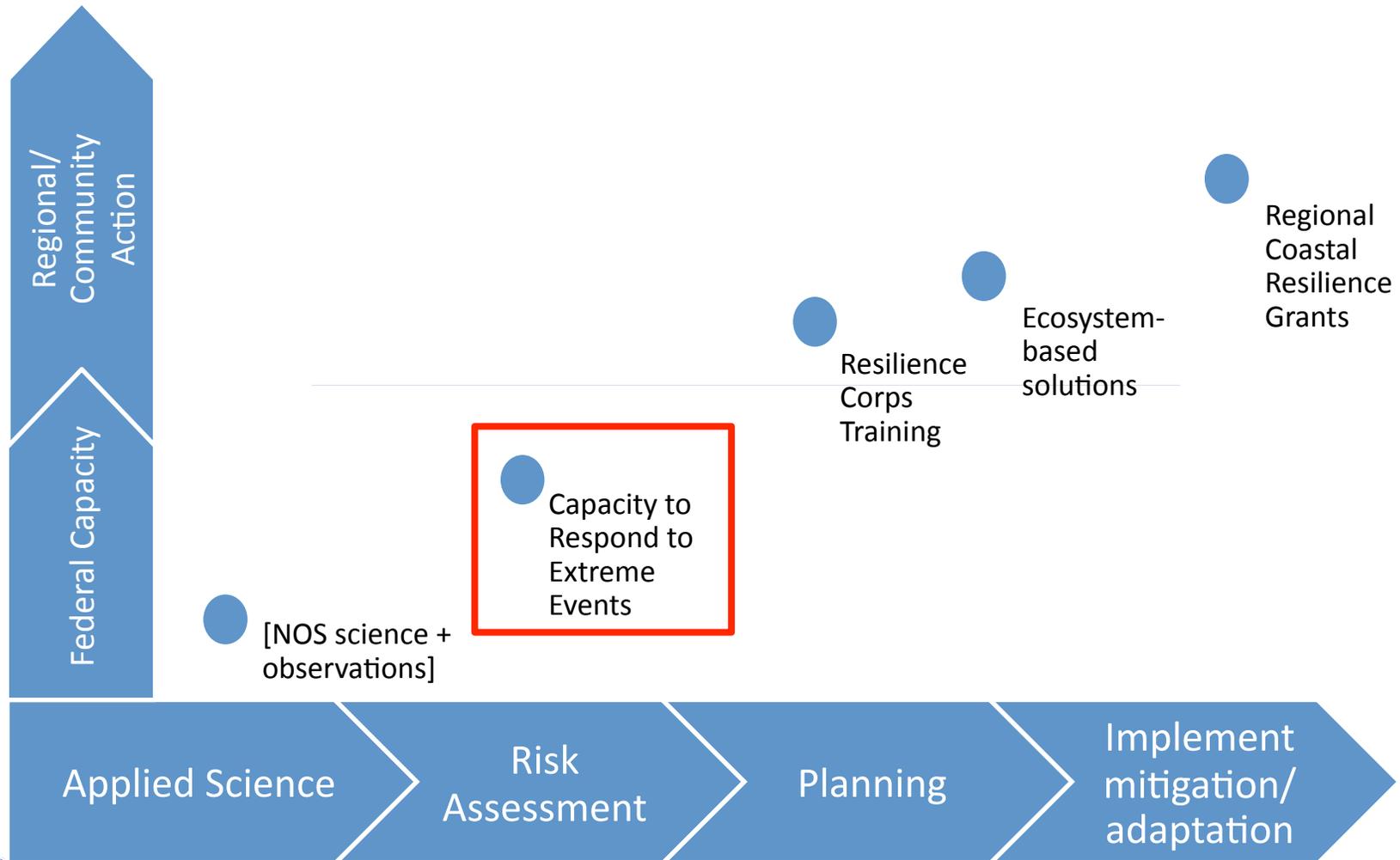
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+\$4.0 million

- Expands extramural research on harmful algal blooms, hypoxia, and the ecological effects of sea level rise
- Accelerates development of resource management informational tools that integrate geophysical and socioeconomic data



# Mitigating Risks to Coastal Populations and Resources



# Capacity to Respond to Extreme Events

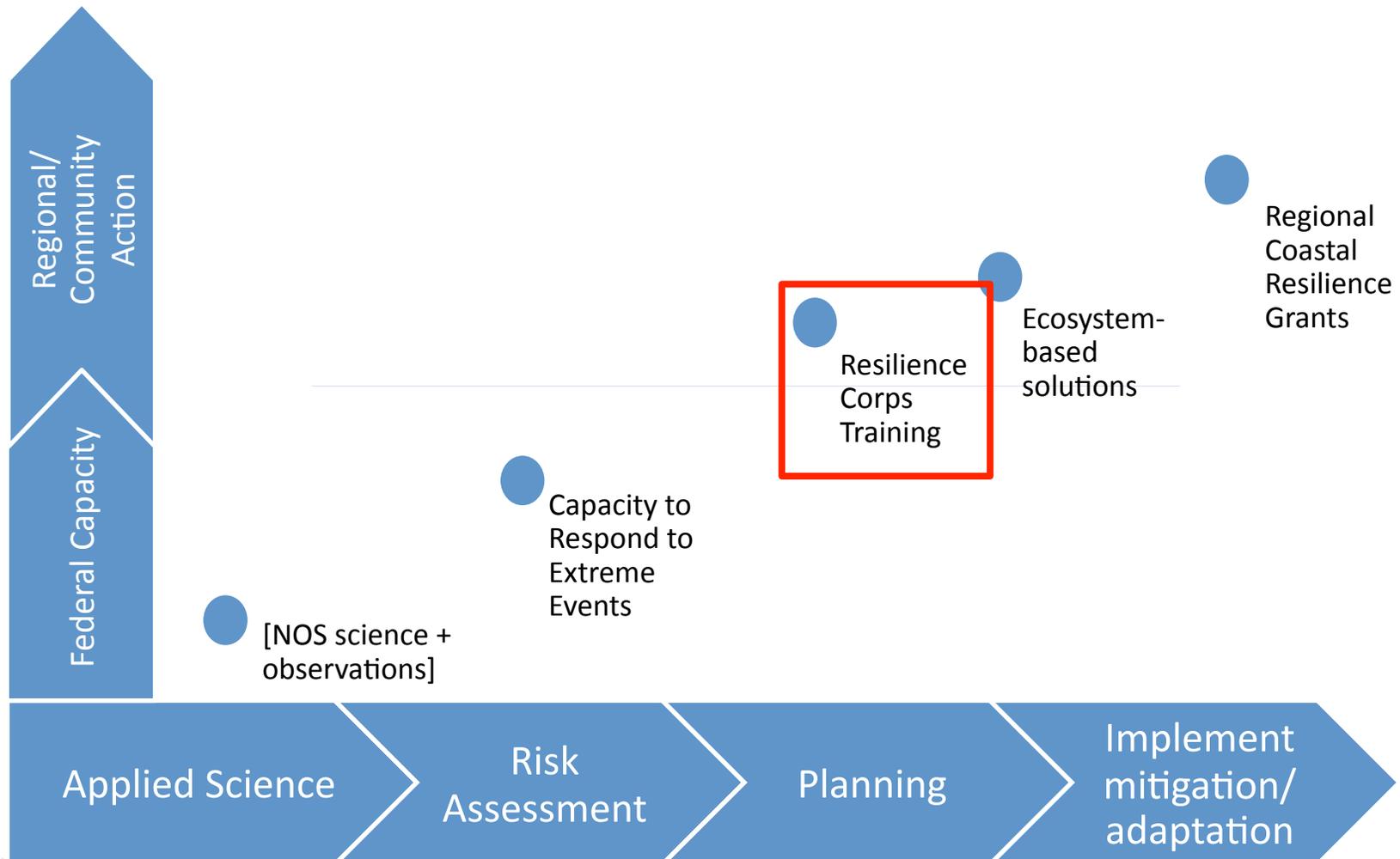
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+\$4.0 million

- Translates data and products developed for the navigation community---for example, water level, elevation data, surge modeling---and adapts them for resilience applications to more effectively communicate risk
- Uses existing tools like those on Digital Coast
- Incorporates social science expertise into the life cycle of product development



# Mitigating Risks to Coastal Populations and Resources



# Resilience Corps Training

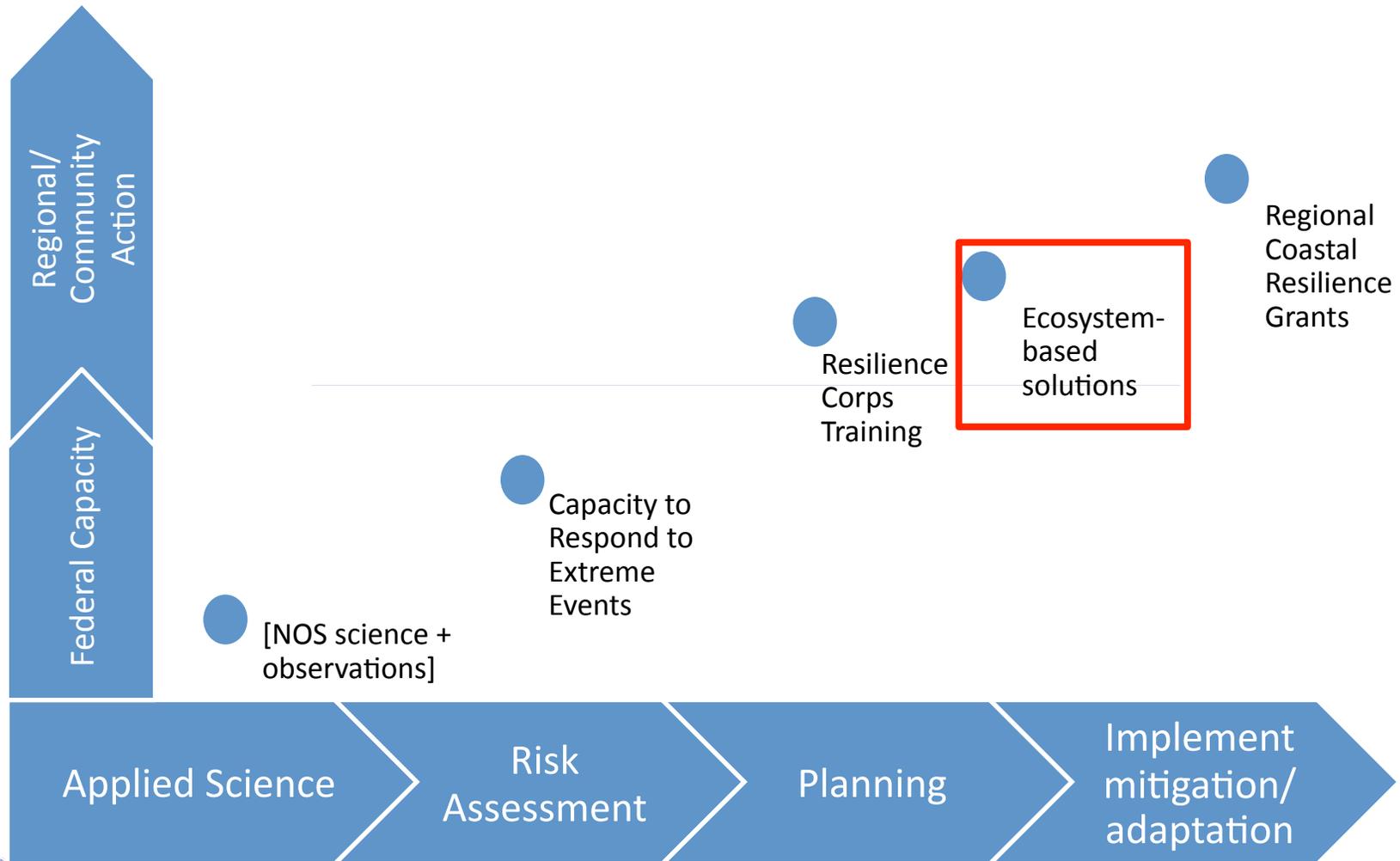
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+\$2.0 million

- Increases on-the-ground expertise
- Trains AmeriCorps members to help communities assess their risk and develop resilience plans



# Mitigating Risks to Coastal Populations and Resources



# Ecosystem-based Solutions for Coastal Resilience

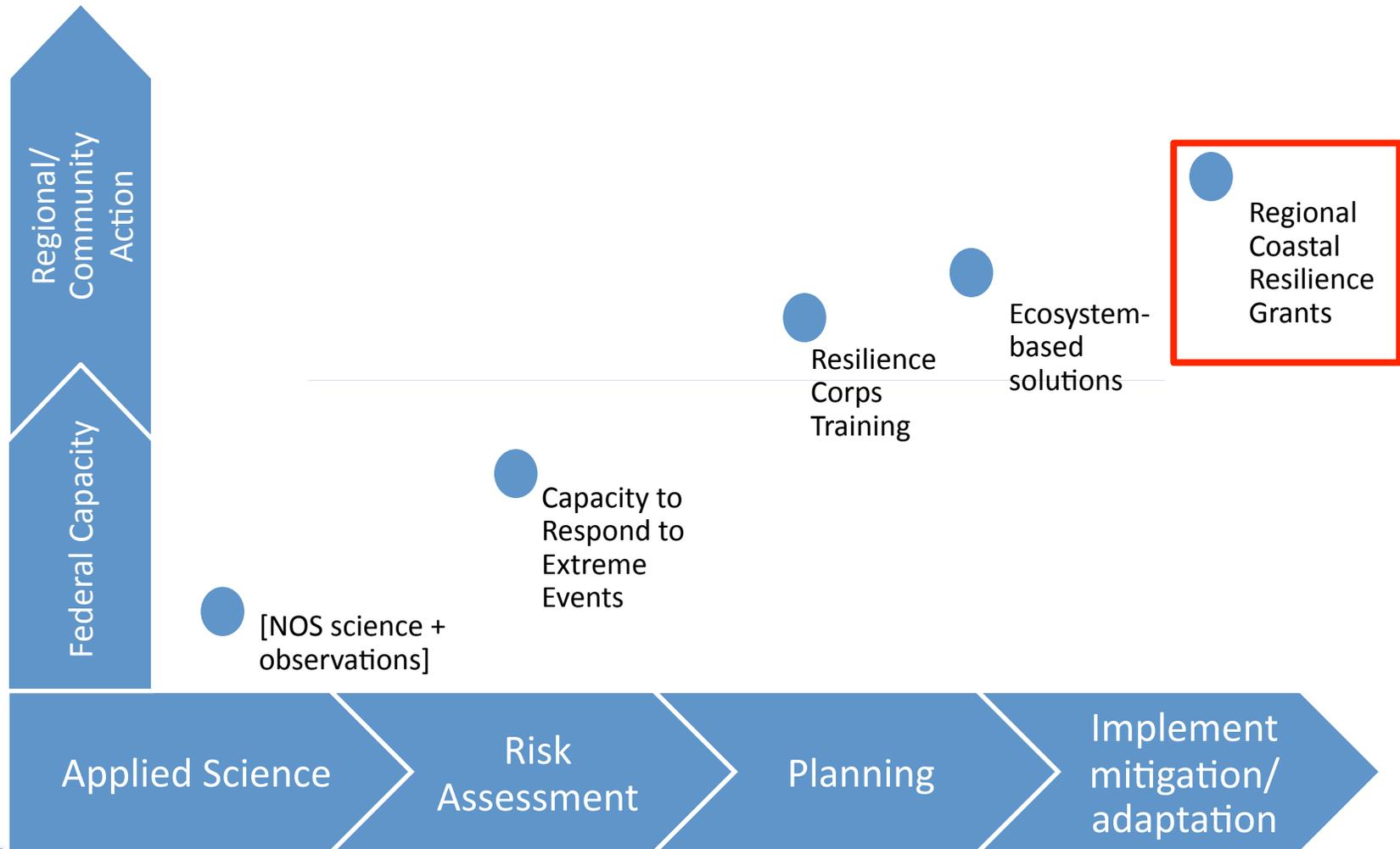
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+\$5.0 million

- Conducts baseline assessments of coastal ecosystems and determine their economic value
- Helps communities evaluate the tradeoffs of land use decisions
- Helps to demonstrate protective value of natural infrastructure



# Mitigating Risks to Coastal Populations and Resources



# Regional Coastal Resilience Grants

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+\$15.0 million

- Funds regional strategies that enhance community, ecosystem, and economic resilience
- In collaboration with the National Marine Fisheries Service, incorporates the scope of the Coastal Ecosystem Resiliency Grants Program to emphasize the connections between ecosystem (habitat) resilience and the protection of communities and infrastructure



# National Oceans and Coastal Security Fund

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+\$10.0 million

- Grants through National Fish and Wildlife Foundation to states and others for purposes authorized under the National Oceans and Coastal Security Act
- Broad purview from baseline research and observing to protection and conservation



# Place-based Conservation

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+ \$7.7 million over FY 2016 President's Budget

- NERRS (+ \$1.7 million)
- National Marine Sanctuaries (+ \$1.5 million)
- Coastal Zone Management Grants (+ \$4.5 million)



# Decreases

## **-\$2.0 million Hydrographic Research and Technology Development**

Discontinue research grants for additional joint ocean and coastal mapping centers as authorized under the Omnibus Public Land Management Act. Continue extramural hydrographic research and technology development at the Joint Hydrographic Center.

## **-\$6.0 million Regional Geospatial Modeling Grants**

Terminate the Regional Geospatial Modeling Grant program.

## **-\$2.0 million Hydrographic Survey Priority/Contracts**

Reduce amounts available for hydrographic survey data acquisition through contracts. NOAA will continue to acquire hydrographic data from contract surveyors with the remaining funds in support of navigation and other coastal intelligence needs.



# FY 2017 NOS Summary

- NOS is proposing timely and targeted investments to advance resilient communities, economies, and ecosystems by
  - Bringing science, products and services to decision-makers.
  - Supporting critical national needs for environmental intelligence to address increasing threats from water-related events.
  - Advancing well-informed, coordinated, and collaborative actions that will improve resilience on the coast.
  - Leveraging capabilities across the agency and those of our partners.
- NOS's investments and program priorities continue to be driven by its long-term *NOS Priorities Roadmap* and cooperation with its many stakeholders.



# Questions?

