



NOAA Technical Overview: Information and Approaches to Support Resilient Port Communities

Jeff Payne, Ph.D., Acting Director
NOAA Coastal Services Center
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Call to Action

- Support efficient and resilient maritime transportation infrastructure called for in
 - CMTS Strategic Action Plan
 - SAFETEA Transportation Act
 - National Ocean Policy
- Achieve a more resilient nation
 - NAS 2012 – Disaster Resilience: A National Imperative
 - Presidential Policy Directive-8 on National Preparedness
 - President's Climate Action Plan



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Data and Tools Promoting Resilience To Coastal Hazards



SLR and Coastal
Flooding
Impacts Viewer



Extreme Water
Levels and
Inundation
Analysis



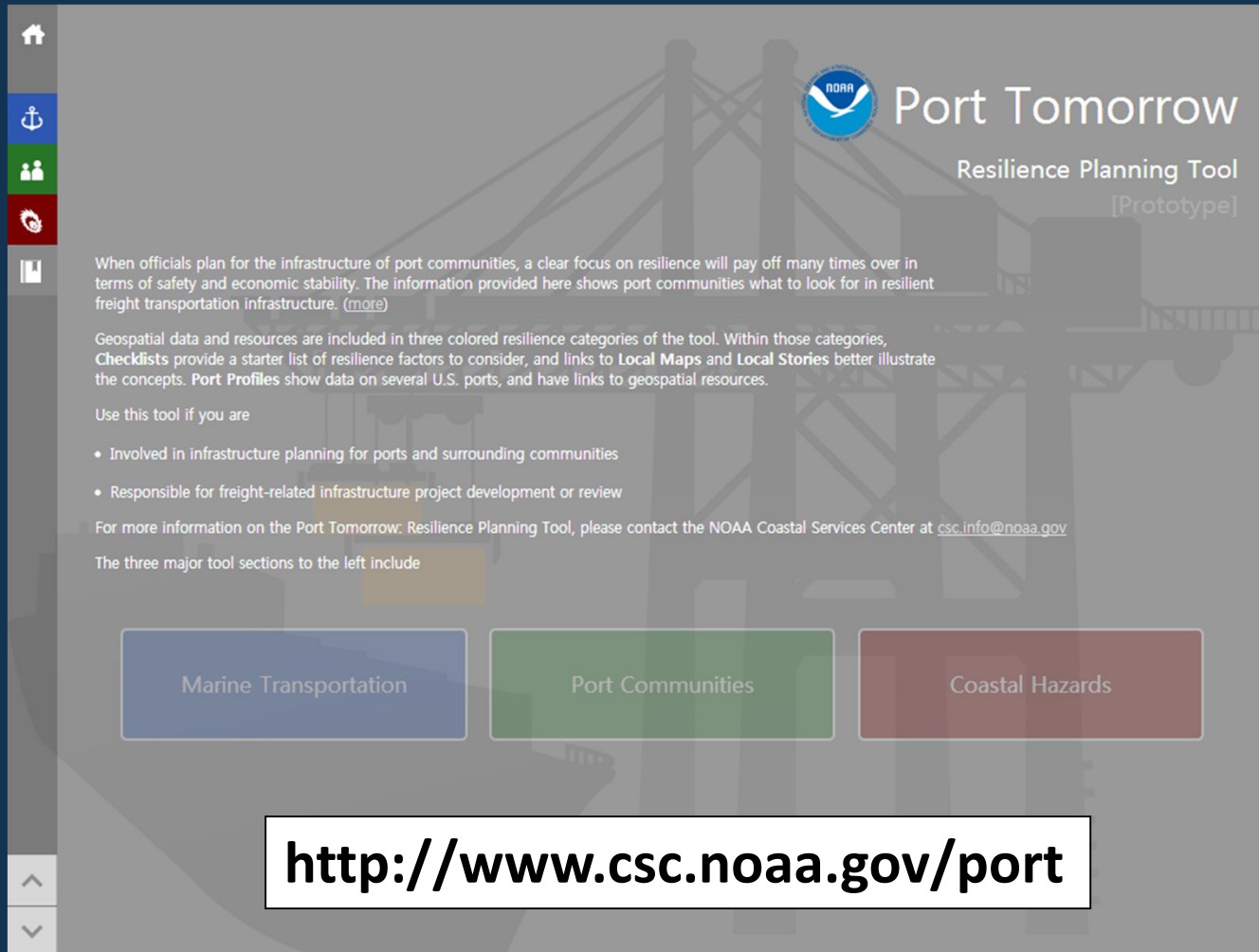
Foundational
Data for
Transportation
and Community
Resilience



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Port Tomorrow: Information for Resilient Port Communities



The screenshot shows the 'Port Tomorrow' Resilience Planning Tool interface. On the left is a vertical sidebar with icons for home, navigation, users, and a document. The main content area features the NOAA logo and the title 'Port Tomorrow Resilience Planning Tool [Prototype]'. It includes an introductory paragraph about infrastructure planning, a list of users for the tool, contact information for the NOAA Coastal Services Center, and three large buttons for 'Marine Transportation', 'Port Communities', and 'Coastal Hazards'. A URL box at the bottom displays the website address.

When officials plan for the infrastructure of port communities, a clear focus on resilience will pay off many times over in terms of safety and economic stability. The information provided here shows port communities what to look for in resilient freight transportation infrastructure. ([more](#))

Geospatial data and resources are included in three colored resilience categories of the tool. Within those categories, **Checklists** provide a starter list of resilience factors to consider, and links to **Local Maps** and **Local Stories** better illustrate the concepts. **Port Profiles** show data on several U.S. ports, and have links to geospatial resources.

Use this tool if you are

- Involved in infrastructure planning for ports and surrounding communities
- Responsible for freight-related infrastructure project development or review

For more information on the Port Tomorrow: Resilience Planning Tool, please contact the NOAA Coastal Services Center at csc.info@noaa.gov

The three major tool sections to the left include

Marine Transportation Port Communities Coastal Hazards

<http://www.csc.noaa.gov/port>



Natural and Beneficial Functions of Green Infrastructure



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On-Going Partnership Efforts

- **DHS Infrastructure Protection Program**
 - Charleston Climate Change Tabletop Exercise
 - Regional Resilience Assessment Program
- **USACE**
 - Infrastructure Systems Rebuilding Principles
 - Systems Approach to Geomorphic Engineering (SAGE)
- **FEMA**
 - Sandy Recovery Office - Regional Infrastructure Coordination
 - Mitigation Framework Leadership Group; Recovery Support Function Leadership Group



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