



NOAA's Future Direction

Meeting NOAA's Strategic Goals and Objectives

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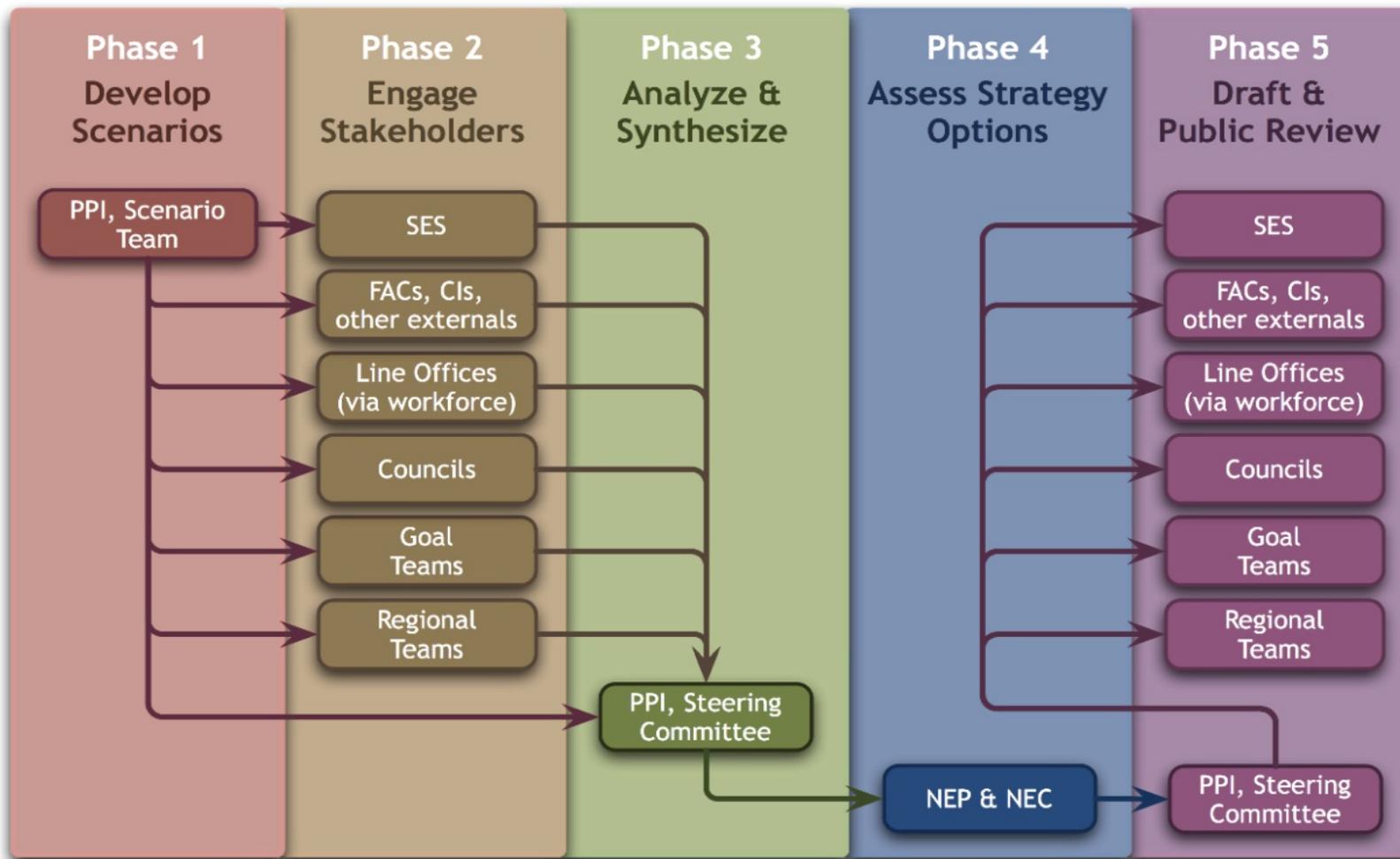
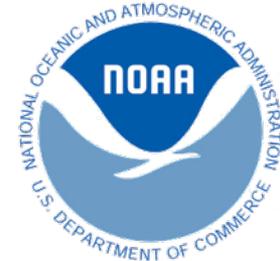
Background

NOAA's Next Generation Strategic Plan (NGSP) is a tool for guiding strategic discussions and decisions, both within NOAA and with partners and stakeholders

- The central purpose is to convey NOAA's mission and vision of the future, in light of the national and global challenges NOAA faces and new opportunities that we might seize
- Long-term goals and 5-year objectives detail how we can build upon the agency's longstanding mission of science, service, and stewardship to achieve its vision
- The plan emerged from extensive consultations with NOAA's staff and the extended community of partners and collaborators in the public, private, and academic sectors

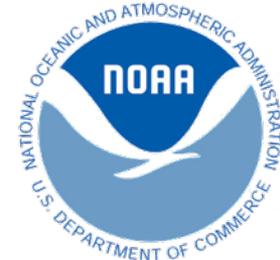


Staff and Stakeholder Knowledge has been Central to NGSP Development



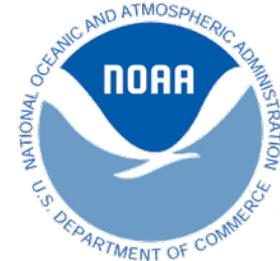


Eight regions, 21 stakeholder forums

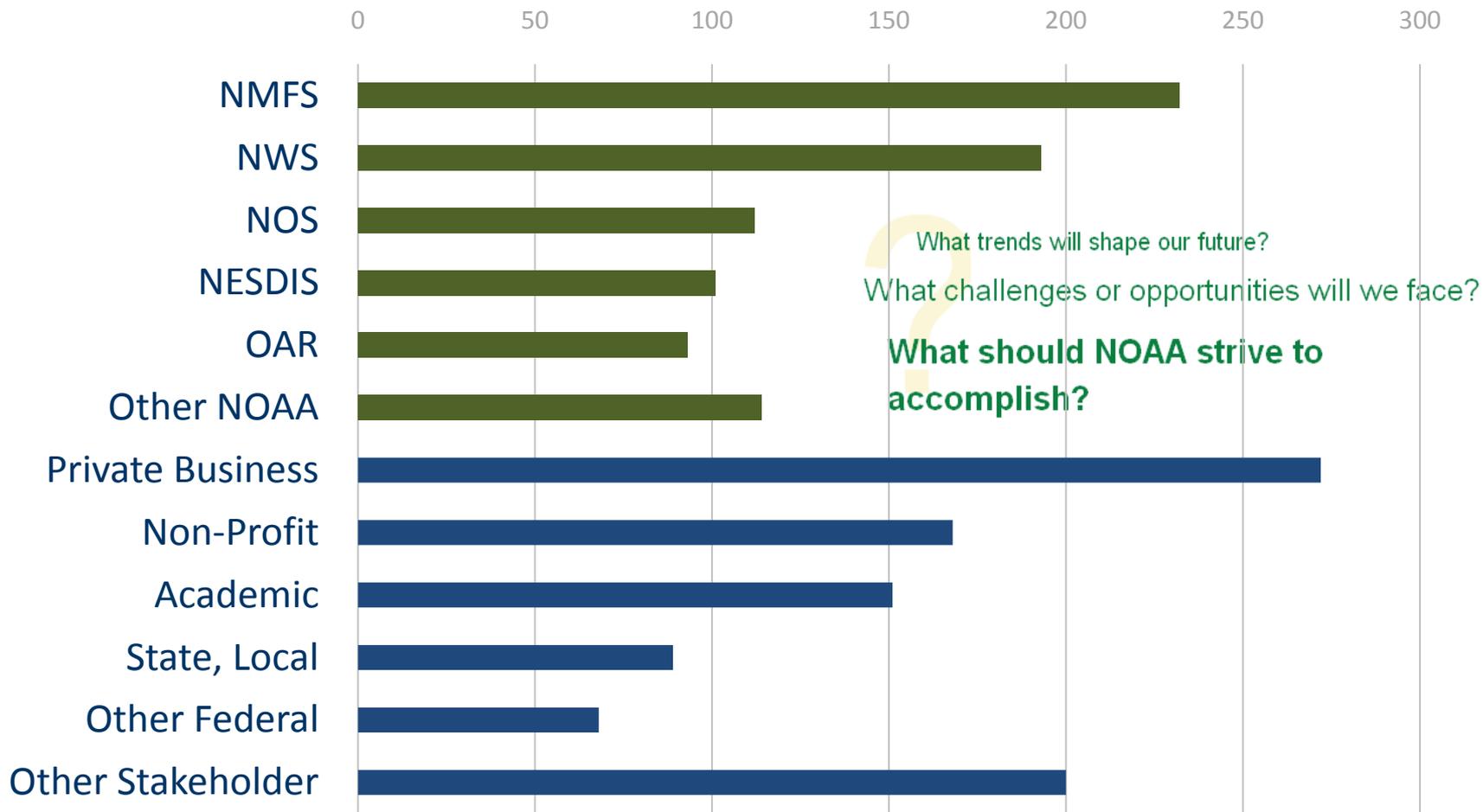


- Alaska
- Central
- Great Lakes
- Gulf of Mexico
- North Atlantic
- Pacific Islands
- Southeast & Caribbean
- Western

What trends will shape our future?
What challenges or opportunities will we face?
What should NOAA strive to accomplish?

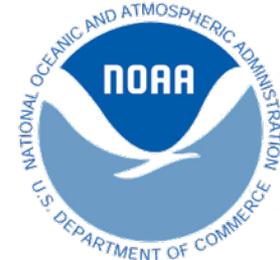


Over 1800 Responses Online





Stakeholder Input: Common Messages



NOAA should work on:

- Regional-scale climate trends and data/tools to address impacts
- Understanding and predicting non-climate ecosystem impacts, such as population density and associated resource use patterns
- Continuity and effectiveness of environmental observations, data, monitoring, forecasts, predictions, and related information
- Delivering scientific information for management
- Environmental literacy



Stakeholder Input: Common Messages

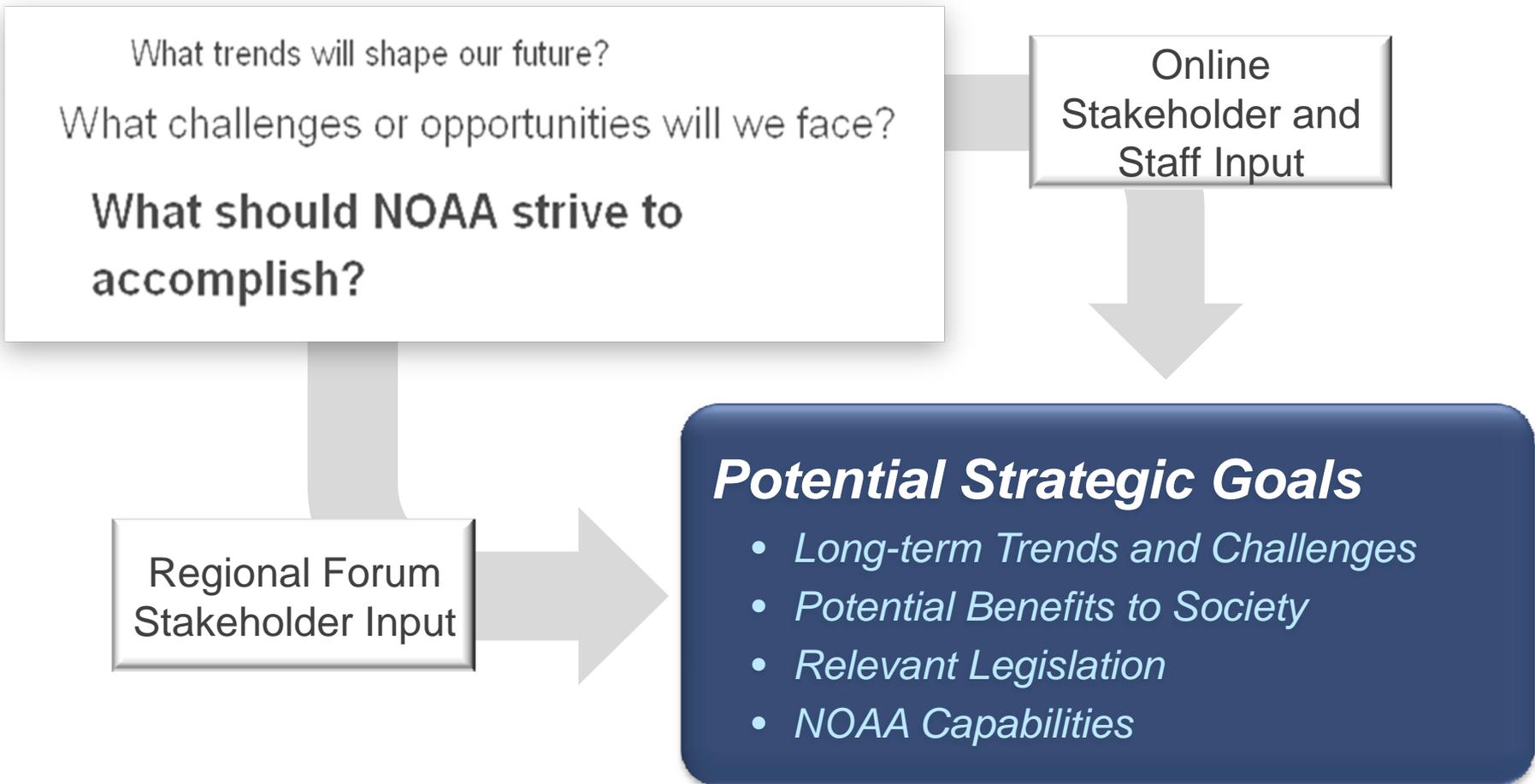


How NOAA should work:

- Promote partnerships and collaboration at all levels
- Engage regional ocean governance bodies
- Enable data integration and delivery
- Improve tools and technology for decision support
- Use local expertise and ecological knowledge
- Articulate and communicate overarching vision for NOAA



Stakeholder Input Directly Informs NOAA's Strategic Goals





Stakeholder and Staff Input Shaped Development of NOAA Goals



Selection Criteria for NOAA Goals

Contribution to Society

Is it **RESPONSIVE** to Administration priorities and to needs identified by NOAA's staff and stakeholders?

Is it **ROBUST** across multiple scenarios of the future (i.e., different combinations of external forces with high uncertainty)?

Fit to NOAA

Is it **DISTINCTIVE** to NOAA (i.e., benefits cannot be achieved without NOAA's leadership)?

Is it **FEASIBLE** to execute with current or potential capabilities (both internal and through partners)?



NOAA'S MISSION: SCIENCE, SERVICE & STEWARDSHIP



To understand and predict changes in climate, weather, oceans, and coasts,
Share such knowledge and information with others, and
Conserve and manage marine resources

ENTERPRISE SCIENCE & TECHNOLOGY

a holistic understanding of the earth system through research

accurate, reliable, data from integrated earth observations

an integrated environmental modeling system

improved understanding of climate
integrated climate assessments
mitigation, adaptation from climate service
a climate literate public

CLIMATE ADAPTATION & MITIGATION

RESILIENT COASTAL COMMUNITIES & ECONOMIES

resilient coastal communities
ocean and coastal planning
safe, efficient marine transportation
improved coastal water quality
arctic access, management

reduced loss of life, property, disruption
improved water management
transportation efficiency, safety
healthy people, communities
secure, reliable infrastructure

WEATHER READY NATION

HEALTHY OCEANS

improved understanding of ecosystems
recovered, rebuilt living marine resources
healthy habitats
safe, sustainable seafood

NOAA'S VISION OF THE FUTURE: RESILIENT ECOSYSTEMS, COMMUNITIES & ECONOMIES

Healthy ecosystems, communities, and
economies that are resilient
in the face of change

ENTERPRISE ENGAGEMENT

an engaged and educated public for informed environmental decisions

integrated services for evolving demands of regional stakeholders

scientific leadership in international environmental policy

a modern information technology infrastructure

diverse capabilities, evolving workforce

sound management of capital investments

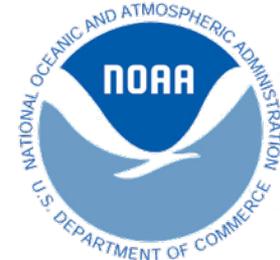
ENTERPRISE ORGANIZATION & ADMINISTRATION



Climate Adaptation and Mitigation

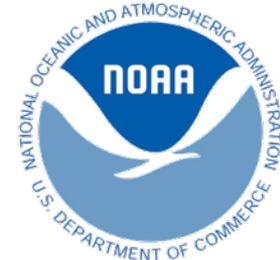


- *An informed society anticipating and responding to climate and its impacts*
 - Improved understanding of the climate system and the impacts of a changing climate
 - Integrated assessments of current and future states of the climate system that identify potential impacts and inform science, services, and decisions
 - Mitigation and adaptation efforts supported by sustained, reliable, and timely climate services
 - A climate-literate public that understands its vulnerabilities to a changing climate and makes informed decisions



Weather-Ready Nation

- *Society is prepared for and responds to weather-related events*
 - Reduced loss of life, property, and disruption from high-impact events
 - Improved water resource management
 - Improved transportation efficiency and safety
 - Healthy people and communities through improved air and water quality
 - Secure, reliable infrastructure for energy, communications, and agriculture through timely and accurate environmental information



Healthy Oceans

- *Vibrant marine fisheries, habitats, and biodiversity sustained within healthy and productive ecosystems*
 - Improved understanding of ecosystems to inform resource management decisions
 - Recovered, rebuilt, and sustained living marine resources
 - Healthy habitats that sustain resilient and thriving marine resources and communities
 - Safe and sustainable seafood for healthy populations



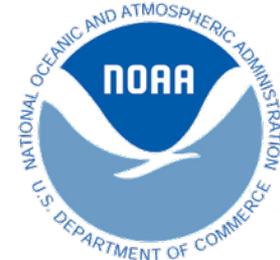
Resilient Coastal Communities and Economies



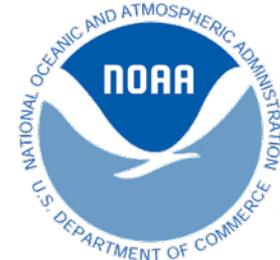
- *Coastal and Great Lakes communities that are environmentally and economically sustainable*
 - Resilient coastal communities that can adapt to the impacts of hazards and climate change
 - Comprehensive ocean and coastal planning and management
 - Safe, efficient and environmentally sound marine transportation
 - Improved coastal water quality supporting human health and coastal ecosystem services
 - Safe, environmentally sound Arctic access and resource management



NOAA's Enterprise Objectives



- *NOAA's Enterprise Science & Technology*
 - A holistic understanding of the Earth system through research
 - Accurate and reliable data from sustained and integrated earth observing systems
 - An integrated environmental modeling system
- *NOAA's Enterprise Engagement*
 - An engaged and educated public with an improved capacity to make scientifically informed environmental decisions
 - Integrated services meeting the evolving demands of regional stakeholders
 - Full and effective use of international partnerships and policy leadership to achieve NOAA's mission objectives
- *NOAA's Enterprise Organization & Administration*
 - Diverse and constantly evolving capabilities in NOAA's workforce
 - A modern IT infrastructure for a scientific enterprise
 - Sound, life-cycle management of capital investments



Next Steps

- Version 4.0 released 6/29 for 6 week public review
- SAB comments on NGSP 4.0 on July 21
- Published final NGSP (5.0) by early August

www.noaa.gov/ngsp