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BEST PRACTICES FOR INCORPORATING CLIMATE CHANGE SCIENCE: NEW TECHNICAL AND APPLICATIONS GUIDE NOW AVAILABLE

The Department of the Interior (DOI) [uses high-quality information about the Earth's changing climate system](#) to consider, plan for, and respond to the existing and projected impacts of climate change on its mission, programs, operations, and personnel. To support this policy, DOI recently released technical guidance and best practices for using climate change science to inform analysis, consultation, and decision-making. These best practices include:

- **Use multiple scenarios** when possible to assess risks from a range of plausible futures. This is particularly important for large investments or irreversible decisions.
- **Use multiple climate models within each scenario** to account for the range of outcomes due to model uncertainty.
- **Use relevant climate data** and projections of future climate change consistent with the timeframe of the policy, action, or decision being considered.
- **Clearly describe key analysis uncertainties and how they were addressed** in the analysis and/or decision process. This ensures transparency and learning among analysts and decision makers.

The full technical guidance [is now available online](#), and may be of most interest to those who conduct, manage, and/or interpret technical workflows relating to climate science or impacts.

The National Park Service (NPS) [Climate Change Response Strategy](#) provides a servicewide blueprint for meeting the challenge of climate change. This monthly newsletter captures notable developments, publications, and successes to inform and inspire similar action across the National Park System and beyond.



This newsletter is published by the NPS Climate Change Response Program. If you experience any difficulty accessing the information in this newsletter, please contact us at:

climate_change@nps.gov

Third-party publications, articles, and products shared or discussed in this newsletter are provided for informational purposes only and do not necessarily reflect views and policies of the National Park Service or the U.S. Department of the Interior. Mention of trade names or commercial entities does not constitute endorsement or recommendation for use by the U.S. Government.

Above: The new implementation guidance uses a series of contrived case studies across multiple DOI bureaus—including one at fictional Roaming Bison National Park—to illustrate how best practices are applied in a variety of contexts. NPS Image.

UPCOMING WEBINARS

Authors of *Best Practices for Incorporating Climate Change Science into Department of the Interior Analyses, Consultations, and Decision Making* will host webinars for DOI staff to discuss the report and answer questions. The webinars will be held on on December 6 and January 10.

DOI staff can register by joining the Climate Science Applications Coordination Team (CSACT) community of practice [via the CSACT SharePoint page](#).

U.S. DEPARTMENT OF THE INTERIOR
TECHNICAL AND APPLICATIONS GUIDE



BEST PRACTICES FOR INCORPORATING CLIMATE CHANGE SCIENCE INTO

INTRODUCING THE NEW U.S. SEA LEVEL CHANGE SITE

Rising Seas, Changing Coasts

This site provides federally supported data visualizations coupled with explanations and science education to help communities prepare for challenges that will affect our coastal environments. By showing how sea levels are changing regionally, the site provides a foundation to inform decision-making related to coastal planning, resource management, and emergency operations.



SEA LEVEL 101 NATIONAL SEA LEVEL EXPLORER

On behalf of the Interagency Task Force on Sea Level Change, the U.S. Global Change Research Program (USGCRP) recently announced the release of [the U.S. Sea Level Change site](#).

This interagency resource delivers sea level rise projections for the U.S. in an interactive and educational format that allows users to explore past, present, and future sea level rise, associated impacts, and adaptation measures for their area. The scientific information on the site is coupled with foundational educational content and interactive explainers, key takeaways, videos, and audio explainers to help users better understand the data and make science-based decisions.

NEW CLIMATE LITERACY GUIDE RELEASED

The USGCRP also recently released a new resource to support people in teaching, communicating, and making decisions about climate change.

[Climate Literacy: Essential Principles for Understanding and Addressing Climate Change](#) presents information important for individuals and communities to understand about Earth's climate, impacts of climate change, and solutions. The guide provides an educational and communication framework based on the latest climate science, designed with decision-makers, educators, and communicators in mind.



GOT CLIMATE-RELATED NEWS?

Do you have a climate-related project, publication, or update you'd like to share? Email your suggestions to climate_change@nps.gov.

Submissions received by the 15th of each month may be published the following month, or held for future newsletters as necessary to meet our editorial calendar. Submissions may be edited to meet length requirements or adhere to editorial style.

This newsletter is distributed primarily—but not exclusively—to employees, volunteers, and partners of the National Park Service.

