



February 2023 CCRP Update

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The Climate Re:spose

Climate Change Response Program
National Park Service
U.S. Department of the Interior



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Water overtops the sea wall at Castillo de San Marcos National Monument

New Coastal Hazards & Sea-Level Rise Asset Vulnerability Assessments

[Eight new coastal hazards & sea-level rise asset vulnerability assessment reports](#) have been completed for Atlantic and Gulf Coast national parks by our partners at Western Carolina University Program for the Study of Developed Shorelines. These documents present results of the vulnerability (as a combination of exposure and sensitivity) of NPS buildings and transportation assets to identified coastal hazards and climate change factors, approximately to the year 2050. Coastal hazard indicators may include flooding potential, shoreline change, sea level rise inundation, extreme event flooding, and locally reported hazards.

Exposure is a measure of the character, magnitude, and rate of changes a target may experience (e.g., from the impacts of climate change or a natural hazard influenced by climate change). Sensitivity reflects the degree to which a resource is affected by exposure. Vulnerability is a measure of the degree to which park resources and assets are susceptible to harm from direct and indirect effects of climate change, including variability and extremes. Additional vulnerability assessments are planned for northeast, Great Lakes, and western parks.

Partner News



Three New Summer Internships

The interagency [Earth to Sky](#) partnership between NASA, NPS, and FWS is recruiting paid interns for summer 2023! Interested individuals are encouraged to apply early: the application deadline is March 1, 2023. Current opportunities include:

Climate Interpretation Training Intern: This internship is for an early-career, place-based interpreter, such as a seasonal park ranger, no more than 3 years out of college. Full details and application instructions can be found [here](#).

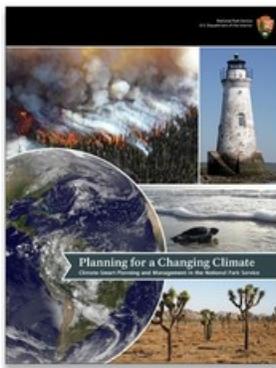
Climate Communication and Interpretation Intern: This internship is for a college student who aspires to be an interpreter, such as a park ranger or naturalist. Full details and application instructions can be found [here](#).

Eclipse Outreach Intern: This internship is for a college senior interested in a career in interpretation (like park rangers), space science, or science communication. Full details and application instructions can be found [here](#).

Contact Genevieve.deMessieres@nasa.gov for more information.

CCRP Resources from the Archive

Guidance for Planners and Managers



Released two years ago, [Planning for a Changing Climate](#) [PDF] helps park managers address the effects of climate change in plans and decisions that best preserve and protect park resources and landscapes for their enjoyment by present and future generations. It also helps managers consider possible risks and impacts associated with climate change to make informed decisions to better protect parks in the future. This guide promotes two key ideas for future park planning: adoption of forward-looking goals that consider future climatic conditions, and development of strategies that can succeed under a variety of possible future conditions.

What *might* happen? How to make the most of scenario planning.

The NPS uses scenario planning to help parks prepare for what *might* happen as a result of climate change. But *optimism bias* can sometimes lead us to overestimate the probability of positive events and/or underestimate the probability of negative outcomes. As such, optimism bias can promote risky decisions or disincentivize taking proper precautions. [This brief training aid](#) [PDF] features four case studies that explore the value of tempering bias when planning for future conditions.



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