

## Climate Change-Related Projects & Resources for Museums, Science Centers, Planetariums, Aquaria, & Zoos

*Prepared for the Climate Change Showcase at the 2019 ASTC Conference in Toronto, Ontario*

[Snow: Museum Exhibit, Educational Outreach, and Learning Research](#) - Building on the familiarity and mystique of snow, the University of Alaska Fairbanks, the Oregon Museum of Science and Industry, and COSI's Center for Research and Evaluation are partnering on Winter Worlds (Snow: Museum Exhibit, Educational Outreach and Learning Research), a collaborative project to engage audiences in snow as a platform to explore Earth's climate system and explore how culture affects STEM learning in informal settings. Resources: [2019 AISL PI Summit Poster](#)

[Science Center Public Forums: Community Engagement for Environmental Literacy, Improved Resilience, and Decision-Making](#), led by Arizona State University's Consortium for Science, Policy, & Outcomes and the Museum of Science, Boston, engaged citizens in discussions and explorations of NOAA data about climate-related hazards, resilience strategies, and related policies. The team created forum modules about four climate-related hazards, which were used as a part of forum programs at eight museums. Resources: [Summative Evaluation](#)

[6 Degrees of Influence: Understanding the Interconnectedness of Earth Systems](#) combines a Science On a Sphere presentation with a follow-up creative art activity – designed for middle school students to think of interconnections between natural and human-created phenomena on the planet. The program was developed by the Nurture Nature Center in, Easton PA in collaboration with the Maryland Science Center. Resources: [Summative Evaluation](#)

[The Hidden World of Permafrost](#) is a collaborative research project led by the University of Alaska Fairbanks and the Oregon Museum of Science and Industry. The project explores the interrelationship between thawing permafrost and climate change and builds on 50 years of informal education and outreach at the Alaskan Permafrost Tunnel, the Nation's only underground research facility related to permafrost and climate. Resources: [2016 CAISE PI Meeting Poster](#), [2018 Science for All Video](#), [2019 AISL PI Meeting Poster](#), [Project Website](#)

[CCEP-I: Climate Literacy Zoo Education Network \(CliZEN\)](#) developed and evaluated a new approach to climate change education that connects zoo visitors to polar animals currently endangered by climate change. The partnership brought together a multidisciplinary team led by the Chicago Zoological Society of Brookfield, IL, and a consortium of nine zoos across the country and Polar Bears International. Resources: [Project Website](#), [Climate Change Education: A Primer for Zoos and Aquariums](#), [Global Climate Change as Seen by Zoo and Aquarium Visitors: Final Report](#), [Youth Volunteer Interpreters as Facilitators of Learning about Climate Change: Final Report](#), and [Global Climate Change as Seen by Latin American Visitors: Final Report](#)

[Our Earth's Future](#), developed by the American Museum of Natural History (AMNH), included a series of online and face-to-face adult learning courses that focused on the topic of climate change. Resources: [Our Earth's Future Final Evaluation Report](#), [AMNH Climate Change Resources / Our Earth online course](#)

