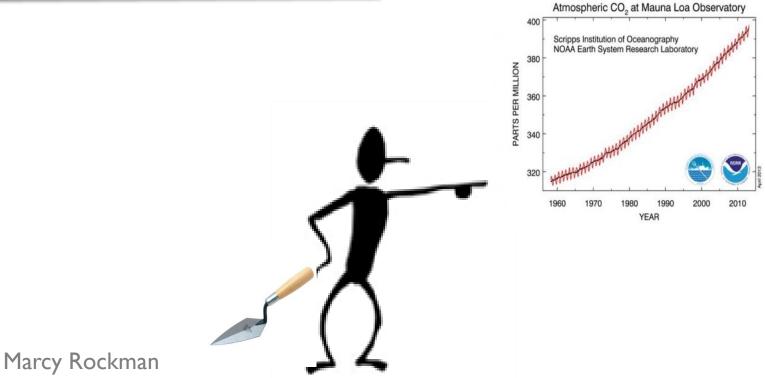
Cultural Heritage and Climate Change

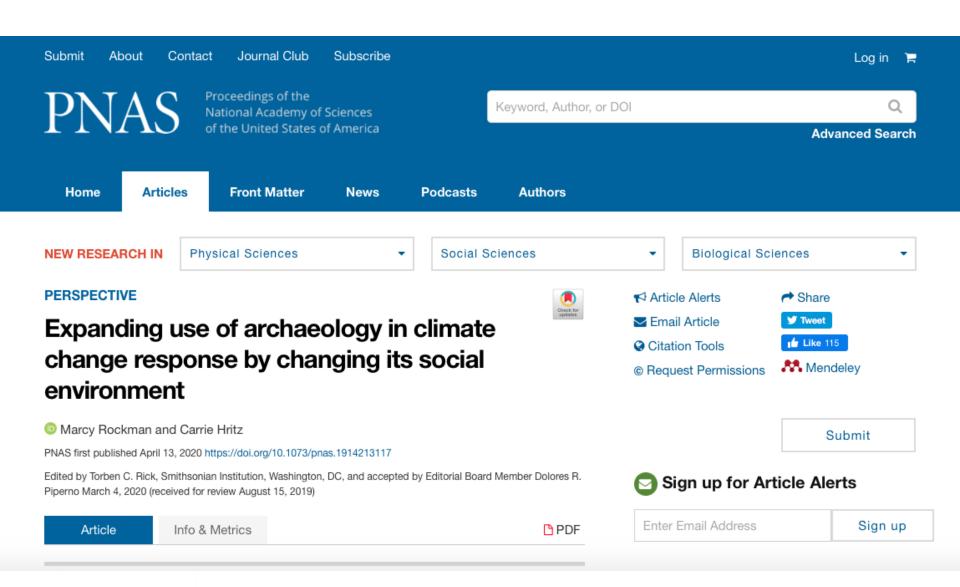
(particularly- how to expand use of archaeology in climate response)



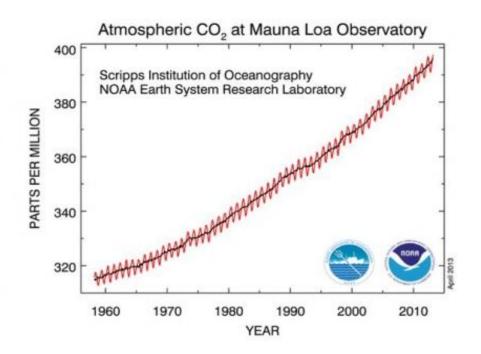
IPCC Scientific Coordinator, Climate Change and Heritage Working Group, ICOMOS Climate Research, Co-Equal

(based in Washington, DC)

EESI Climate and Data Briefing Series, April 15, 2020



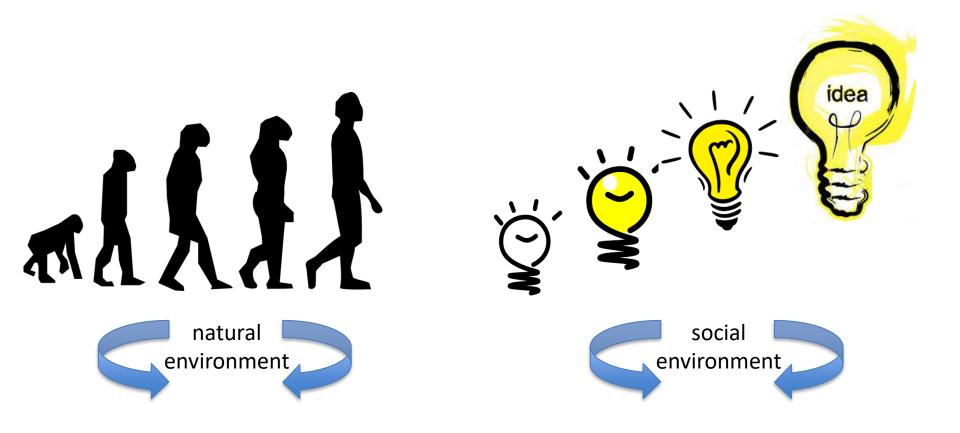




















Criterion A: associated with events that have made a significant contribution to the broad patterns of our history

Criterion B: associated with the lives of significant persons in our past

Criterion C (summarized): embodies distinctive characteristics of a type, period, or method of construction, work of a master, possesses high artistic values, or a significant and distinguishable entity whose components may lack individual distinction

Criterion D: have yielded or may be likely to yield, information important in history or prehistory



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Historic England





HELLENIC REPUBLIC Ministry of Culture and Sports





Ministerio de Cultura



~2/3 US National Parks established to preserve cultural heritage

From 1995-2008*:

NPS funding for natural resources increased by 71% NPS staffing for natural resources increased by 31%

NPS funding for cultural resources decreased 19% NPS staffing for cultural resources decreased 27%



(*data from: F. Hodsoll, J. Kunde, D. P. Galvin, Saving Our History: A Review of National Park Cultural Resource Programs (National Academy of Public Administration, Washington, DC, 2008))



Natural Environment Agencies

Cultural Environment Agencies

































Archaeology

- Receives approximately 5% of Behavioral and Cognitive Sciences (BCS) Division of the Social, Behavioral and Economic Directorate budget
- In 2019, BCS was funded with approximately \$83 million; Archaeology share ~\$4m

National Ecological Observatory Network (NEON)

- One of NSF's programs for study of the natural world,
- In 2017 NEON funded with \$80 million
- Has received approximately \$633 million since its founding in 2007

Focus Areas of Major Climate and Conservation NGOs

Conservation International

Major topics: Climate, Food, Forests, Fresh Water, Global Stability, Livelihoods, Oceans

Global Environment Facility

Major topics: Biodiversity, Chemicals and Waste, Climate Change, Forests, International Waters, Land Degradation

Nature Conservancy

Major topics: Tackle Climate Change, Protect Land & Water, Provide Food & Water Sustainably, Build Healthy Cities

Resources for the Future: Climate Change

(Summarized): Technology transfer for sustainable energy, Mitigation options, Connecting mitigation and sustainable development

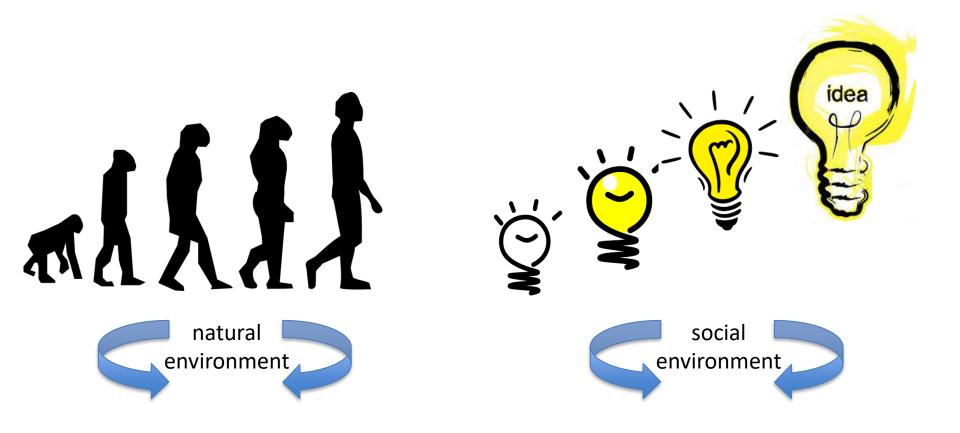
Rockefeller Foundation

Major topics: Health, Food, Power, Jobs, Resilient Cities, Innovation, Co-Impact

World Resources Institute: Climate

International Climate Action (summarized): Transparency, NDCs, Carbon removal strategies, Power, China, Economy and Finance, Equity

(sources: websites of each organization as named, see Rockman and Hritz 2020 for more detail)



Frequency bias – choose that which is most common

a

≈ availability heuristic (behavioral economics)

 Prestige bias – choose that which is done by highly visible or high status people or organizations

Proceedings of the National Academy of Sciences of the United States of America

- 1. Found a named federal climate heritage coordination office
- 2. Link archaeology and heritage in climate research and investment
- 3. Foster climate heritage demonstration projects
- 4. Expand climate NGO attention to archaeology and heritage

Thank You

Contact: Marcy Rockman marcy.rockman@icomos.org



#climateheritage #culture4climate



(help with archaeology of sustainability in Iceland, summer 2013)