

Prepared for the 20 Nov 2019 [Astro2020 State of the Profession and Social Impacts \(SoP\)](#) panel meeting (Washington, D.C.) perspective papers pertaining to Maunakea current events contributing initial evaluations of the impact of astronomy on non-astronomy communities.

1. Ayau, E.H. Submitted 13 Nov 2019. [\*The Impacts of Astronomy on Non-Astronomers: Specifically, native Hawaiian beneficiaries of the Hawaiian Home Lands Trust.\*](#)

The impact of astronomy on Maunakea for me as a Hawai'i State Department of Hawaiian Home Lands beneficiary, is that it harms my psyche and my na'au as a kane (Hawaiian man) to know that I am both not able to be responsible to my ancestral duties including the protection of the kapu of Maunakea, as well as not able to enjoy the benefits of my standing as a beneficiary of the Hawaiian Home Lands Trust. These actions are a reminder that we Hawaiians are invisible to the State of Hawai'i and apparently to astronomers with regards to our rights and responsibilities.

2. Higashi Kanahale, K.H. and D.P. McGregor. Submitted 17 Nov 2019. [\*Impacts of Astronomy on Indigenous Customary and Traditional Practices As Evident at Mauna Kea.\*](#)

To avoid negative impacts upon indigenous peoples by the construction and operation of astronomy research telescopes and structures, policies should require cultural impact studies and centrally position and meaningfully engage indigenous practitioners in the management of the sites for astronomy research. No federal monies should be expended on the construction or operation of the TMT on Mauna Kea.

3. Isaki, B. et al. Submitted 15 Nov 2019. [\*Kū Kia 'i Mauna: Historical and Ongoing Resistance to Industrial Astronomy Development on Mauna Kea, Hawai'i.\*](#)

The struggle to protect Mauna Kea didn't begin in 2019 or even 2015. Hawai'i communities have been organizing to hold the astronomy development responsible for their impacts on the Mauna for decades.

4. Kahanamoku, S. et al. Submitted 18 Nov 2019. [\*A Native Hawaiian-led summary of the current impact of constructing the Thirty Meter Telescope on Maunakea.\*](#)

Provides a summary of select impacts of astronomy on non-astronomer communities, focusing heavily on the TMT project's impacts on Native Hawaiians. Offers recommendations to the scientific community, funding agencies for improving scientific

culture and increasing equity when working within a Native Hawaiian context; first among these is the recommendation to immediately halt TMT progress.

5. Kiyuna, K. Submitted Nov 2019. [\*Ka Piko Kaulana o ka 'Āina: Additional Context for Understanding the Cultural Significance of Mauna Kea.\*](#)

This paper provides a brief overview of the primordial relationship Native Hawaiians share with Mauna Kea and its surrounding environment to illustrate the historic harms that astronomy has imposed on Native Hawaiian people and 'āina (land). In particular, this paper emphasizes the growing public opposition and encourages further discourse and inquiry into the negative impacts of astronomy on Mauna Kea.

6. Native Hawaiian Place of Learning Advancement Office (NHPoL), UH Mānoa. Submitted Nov 2019. [\*"Maunakea at Mānoa" Survey.\*](#)

The NHPoL Advancement Office aims to build an understanding of our community and share that understanding with executive leadership and those that impact UHM, including the Astronomy community. Recommendation to support Native Hawaiian student success, Native Hawaiian Faculty, Staff, and Administration development, Native Hawaiian environment, and Native Hawaiian community engagement are provided.

7. Prescod-Weinstein, C. et al. Submitted 16 Nov 2019. [\*Reframing astronomical research through an anticolonial lens — for TMT and beyond.\*](#)

Using the conflict over Maunakea, this paper discusses ways in which astronomy has benefited from settler colonialism/white supremacist patriarchy, and the impact that has on communities that do not benefit from it. We advocate for astronomers to reject these benefits going forward, and we make 10 specific suggestions that will advance this effort.

8. William S. Richardson School of Law Environmental Law Clinic. Submitted 18 Nov 2019. [\*Understanding Mauna Kea: A Primer on Cultural and Environmental Impacts.\*](#)

Helps readers better understand the longstanding concerns about the development on and management of Mauna Kea by providing an introduction to: (1) the history and legacy of the illegal overthrow of the Hawaiian Kingdom; (2) the cultural significance of Mauna Kea; (3) cultural and environmental impacts of development on Mauna Kea; and (4) legal protections for cultural practices in Hawai'i nei.

Media contact:

Katie Kamelamela

[kkamelam@hawaii.edu](mailto:kkamelam@hawaii.edu)

808-753-1852