

Polarization of climate change news is no hoax

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Concern about the politicization of climate change news is not new, but coverage of the issue over the last three decades has shifted.

A new University of Michigan study quantitatively shows, for the first time, that during a 30-year period, coverage of [climate](#) change has not

only become dominated by partisan voices, but also that those voices are associated with increasingly different messages about climate change.

The political divide around climate change has led to greater coverage of the views of politicians, which has likely contributed to polarizing [public opinion](#), according to U-M researchers.

"This kind of information about trends in mainstream news coverage helps us to understand why the American public has become polarized around the issue of climate change—with some believing in it while others do not—while scientists have become increasingly certain that climate change is real and caused by [human activity](#)," said Sedona Chinn, a doctoral student in communication and media and the study's lead author.

Chinn and colleagues analyzed climate change articles from 11 newspapers nationwide, including the New York Times, Washington Post, Los Angeles Times and Chicago Tribune, between 1985 and 2017. About 62,000 climate change articles were identified using key terms, such as global warming and greenhouse gas.

To capture politicization, the researchers looked at how often those articles mentioned Republicans, Democrats and scientists. This allowed for a comparison over time between different environmental issues. In the 1980s and 1990s, there were more mentions of scientists than politicians in climate change [coverage](#), but this trend changed in the 2000s as politicians were cited more often.

When it came to polarization, the researchers looked at how the words surrounding mentions of partisan actors in climate change articles changed over time. This revealed that the language associated with mentions of Republicans and Democrats has become more distinct over [time](#). This was important because it offered evidence that partisans

increasingly talk about [climate change](#) in different ways.

The study, which appears in the journal *Science Communication*, was co-authored by P. Sol Hart, associate professor of communication and media, and environment and sustainability, and Stuart Soroka, professor of communication and media.

More information: Sedona Chinn et al. Politicization and Polarization in Climate Change News Content, 1985-2017, *Science Communication* (2020). [DOI: 10.1177/1075547019900290](https://doi.org/10.1177/1075547019900290)

Provided by University of Michigan

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