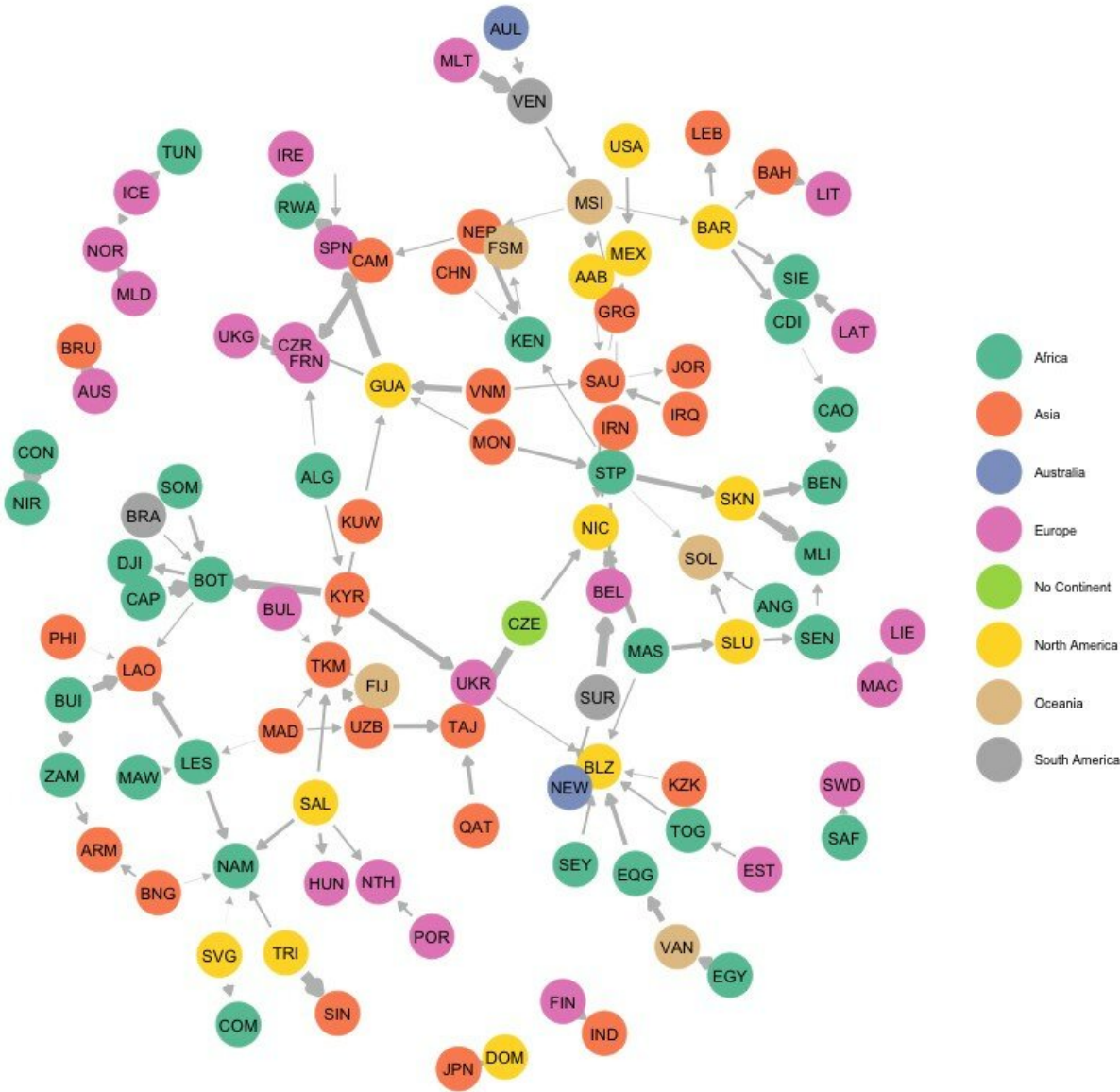


# The power of one country to influence treaty ratification

March 7 2019, by Jeff Grabmeier



Credit: The Ohio State University

New research shows just how powerful the United States' and other countries' influence can be on persuading other nations to ratify international treaties.

The first-of-its-kind study shows the influence of countries in treaty ratification can extend beyond their close allies and could even help persuade rivals to join agreements.

"The simple act of a single country ratifying a treaty can have dramatic ramifications for what other countries do in ways that haven't always been apparent," said Skyler Cranmer, co-author of the study and the Carter Phillips and Sue Henry associate professor of political science at The Ohio State University.

In an article published today (March 7, 2019) in *PLOS ONE*, the researchers debuted a model that could predict how other countries would react when an individual country ratified one of 198 international environmental agreements between 1972 and 2000.

For example, the study found that the United States' signing of the United Nations Framework Convention on Climate Change (UNFCCC) in 1992 may have influenced Russia to ratify the treaty. Without action by the U.S., Russia would have had only a 40 percent probability of signing the treaty, according to the model.

"Superpowers can influence each other even if they're rivals and their interests aren't always aligned," Cranmer said.

Russia wasn't the only unexpected country that signed the UNFCCC as a

result of American ratification. U.S. support of the UNFCCC also influenced Nigeria, Thailand and Uruguay to sign, all of which have lacked significant, direct relationships with the United States.

Cranmer worked to develop the model with colleagues Benjamin Campbell, a Ph.D. candidate in political science at Ohio State; Frank Marrs, a Ph.D. candidate in statistics, and Bailey Fosdick, an assistant professor of statistics, both at Colorado State University; and Tobias Böhmelt, a professor of government at the University of Essex.

The model that the researchers developed allowed them to analyze the complex interactions between countries and treaties, relationships between the countries themselves, and other factors in ways that have never been done, Cranmer said.

"We didn't have a good way of measuring country-to-country influence before, but now we do," Cranmer said.

Most other research that has examined why countries did or did not ratify a particular treaty examined attributes of the country, such as its type of government and level of economic development.

"But this is missing the whole dynamic of international leadership. You're not seeing how states influence each other," he said.

This study found that countries can be both positive and negative influencers on how other nations respond to international agreements. An example of negative influence is one country's ratification of a treaty making it less likely that another will do the same.

One reason may be that some countries are looking for a "free ride," Cranmer said. Countries get a free ride when they don't ratify a treaty, but still benefit from its environmental protections when nearby

countries ratify.

The study showed that countries are less likely to ratify treaties when countries within their continent have ratified it. Countries near others that ratify may benefit the most from a free ride.

Still, one country acting as a negative influence on another country's ratification was relatively uncommon.

Positive influence—when ratifying a treaty makes another country more likely to join—was much more common.

"To us, this demonstrates that, on average, international institutions, such as the United Nations, have worked in facilitating global environmental protection. This isn't something that we would always expect given the criticism of these institutions and global governance efforts," Cranmer said.

Cranmer said it was significant that the United States' ratification of the UNFCCC had a [positive influence](#) on distant countries like Nigeria and Thailand also acceding.

"These indirect effects are something we have not been able to document before in international politics," he said.

The effects go beyond even the single treaty itself. The study found that the United States' ratification of UNFCCC not only influenced other countries' probability of ratifying that treaty—it also influenced Mexico and Russia's probability of joining a different treaty: the United Nations Convention to Combat Desertification.

"The actions of the United States have indirect influence on a lot of other countries that we could not quantify before," Cranmer said.

The new model developed by the researchers is a powerful tool to study international relations in a variety of ways.

"Environmental treaties are not the only application. We now are using the same tool to examine how [countries](#) influence each other on human rights treaties," he said.

**More information:** Benjamin W. Campbell et al. Latent influence networks in global environmental politics, *PLOS ONE* (2019). [DOI: 10.1371/journal.pone.0213284](#)

Provided by The Ohio State University

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