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**Science Diplomacy as a means of reducing conflict in the  
Arctic region**

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# What Science Diplomacy is

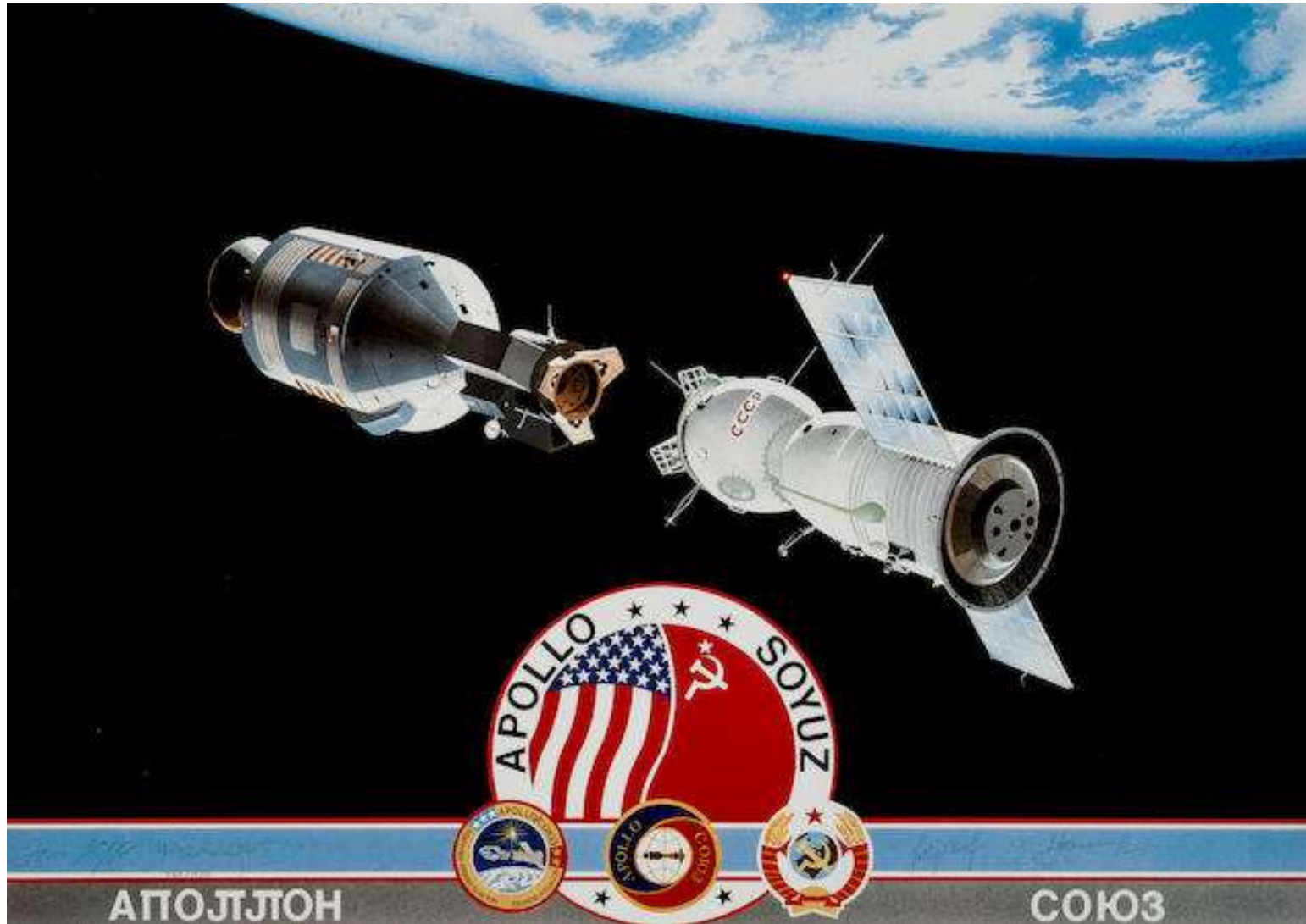
Science diplomacy ... is one of our most effective ways of influencing and assisting other nations and creating real bridges between the United States and counterparts (H. Clinton)

- ▶ Science diplomacy - the use and application of science cooperation to help build bridges and enhance relationships between and amongst societies, with a particular interest in working in areas where there might not be other mechanisms for engagement at an official level. (V. Turekian)
- ▶ Science diplomacy - the use of scientific collaborations among nations to address the common problems facing 21st century humanity and to build constructive international partnerships. (N. Fedoroff)
- ▶ Science diplomacy is an intentional effort to engage with other countries where the relationship is not good otherwise. (N. Neureiter)

## Antarctic treaty



## The ideal type of Science Diplomacy



## Is there a conflict in the Arctic?

According to Jh. Fryer (senior Executive editor of Bloomberg on global business, finance), «the Arctic region used to be a territory of peace and is now a territory of tension among the great powers and this is only growing».

Physically, there are no armed conflicts in the Arctic at present, however, there were conflict situations of a different nature that could lead to the development of a global conflict.

**Conflict** – a set of social tension and incidents (V.I. Speransky).

## Session of foreign Ministers: "Is the Arctic an arena of confrontation or cooperation?» 9.04.19



## Geopolitical reasons for the conflict

- ▶ The Arctic accounts for about 13 percent of the undiscovered oil, 30 percent of the undiscovered natural gas (USGS)
- ▶ Conditions of using of the Northern sea route
- ▶ Military security
- ▶ Claims of countries to extend continental shelves beyond their exclusive economic zones

# Hypothesis

Hypothesis – as the level of science diplomacy in the Arctic increases, the level of conflict in the region decreases and vice versa.

Chronological framework – the time period from January 1, 2017 to July 31, 2019 inclusive.



# Research methodology

- ▶ General scientific methods: analysis, synthesis, induction, modeling, generalization, classification;
- ▶ event analysis;
- ▶ content analysis;
- ▶ covariance analysis;
- ▶ correlation analysis;
- ▶ structural and functional analysis;
- ▶ case study.

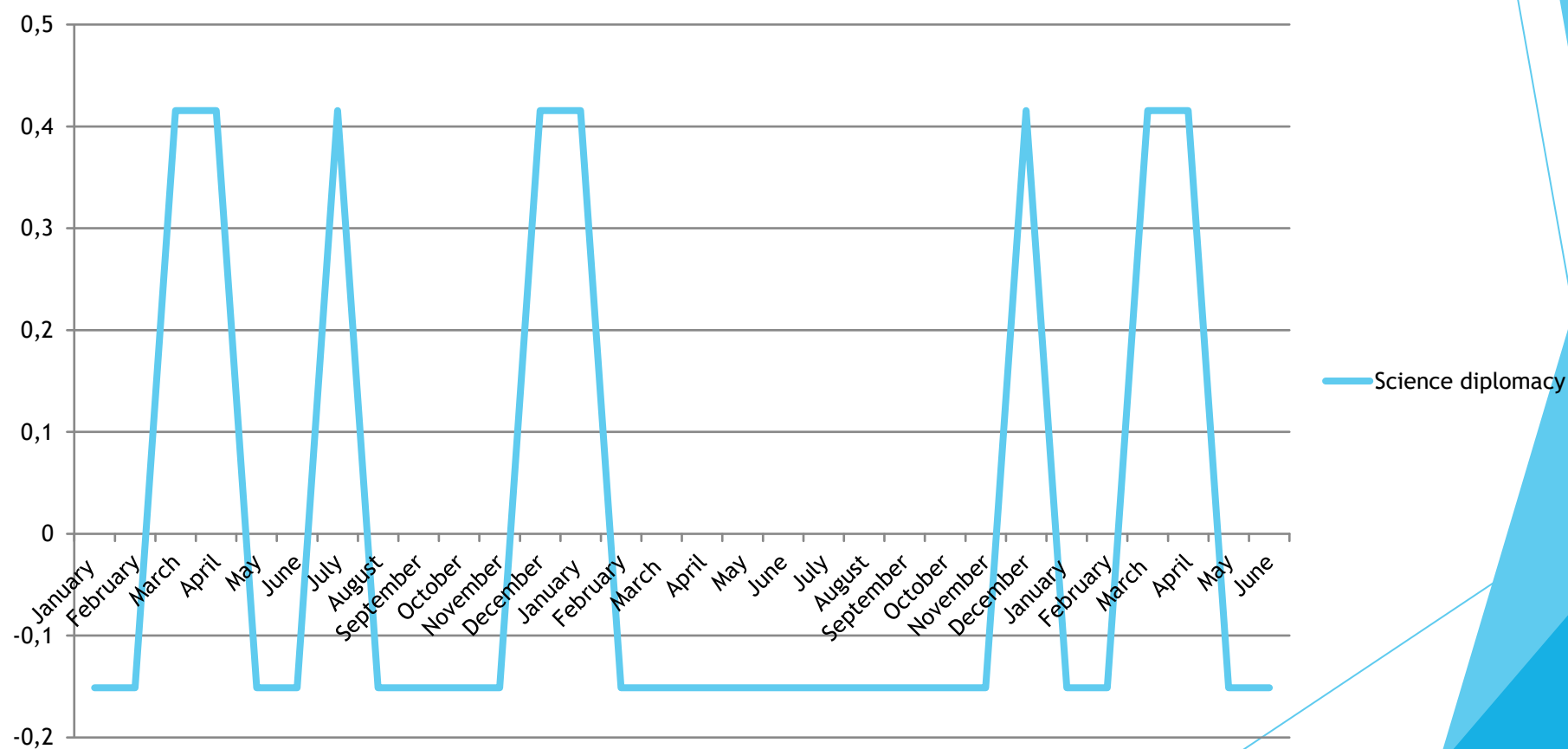
## Empirical base

The basis of the quantitative analysis was the data of the news agencies TASS, Interfax and RIA Novosti for the period from January 1, 2017 to July 31, 2019.

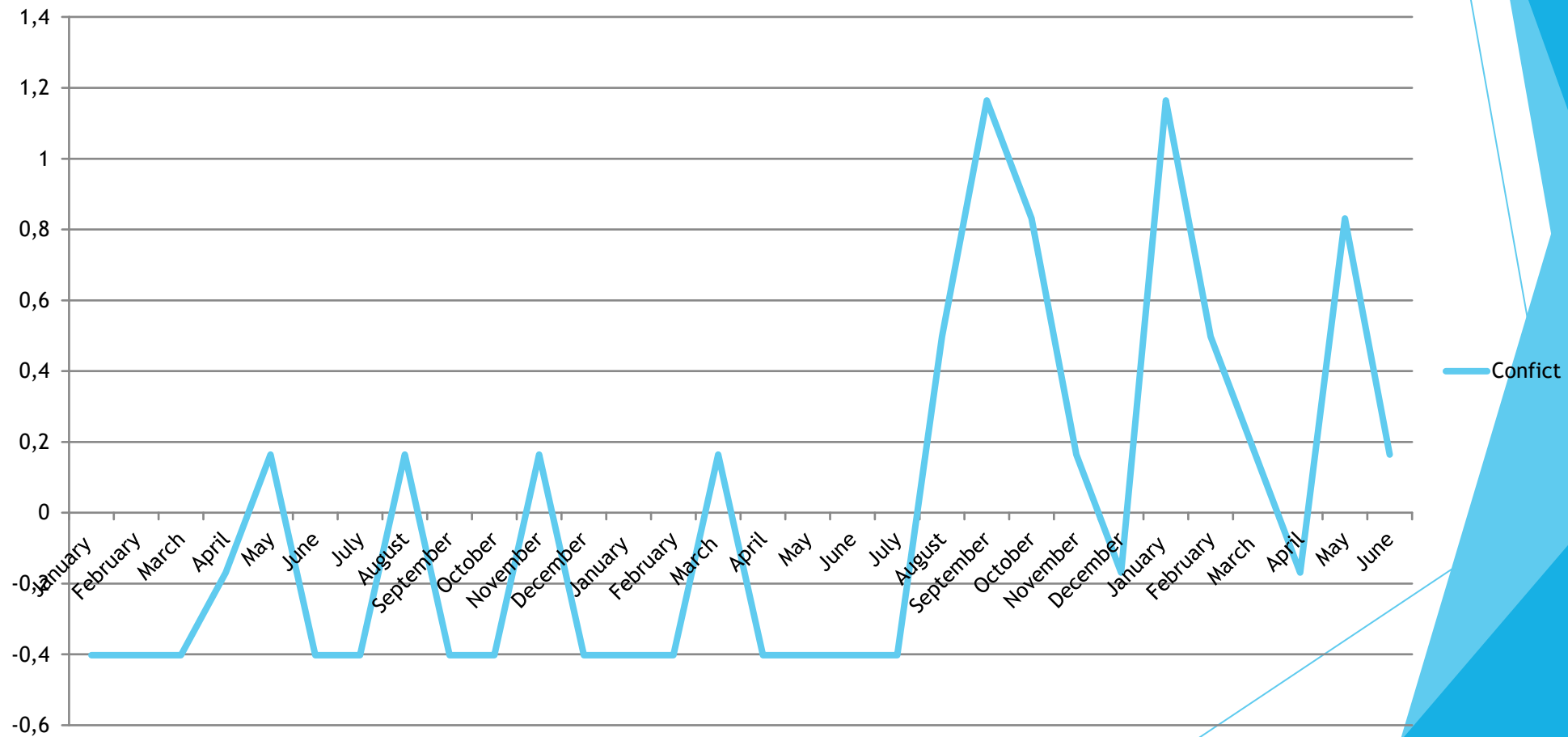
## Newspapers headlines

| Science diplomacy  | Conflict   |
|--|--|
| The agreement between China and Russia on joint deep-sea research in the Arctic and Antarctic                                  | Prince Harry will take part in exercises to counter Russia                         |
| International Forum "Arctic Territory of Dialogue"   | US intends to send warships to the Arctic  |
| Week of Arctic science in Arkhangelsk  | Media talked about US plans to weaken Russia's influence in the Arctic             |
| Winter School of Ecology at NEFU for Russian and Japanese students   | Telegraph: Britain will increase military presence in the Arctic because of Russia |
| Opening of NEFU Russian-Japanese winter school on sustainable development of the Arctic  | USA and Canada take off planes due to Tu-160 flight in Arctic                      |
| Scientists of the Russian Federation and Finland have begun the development of wind generators suitable for work in the Arctic | Foreign Ministry promised to respond to Norway's actions in the Arctic             |

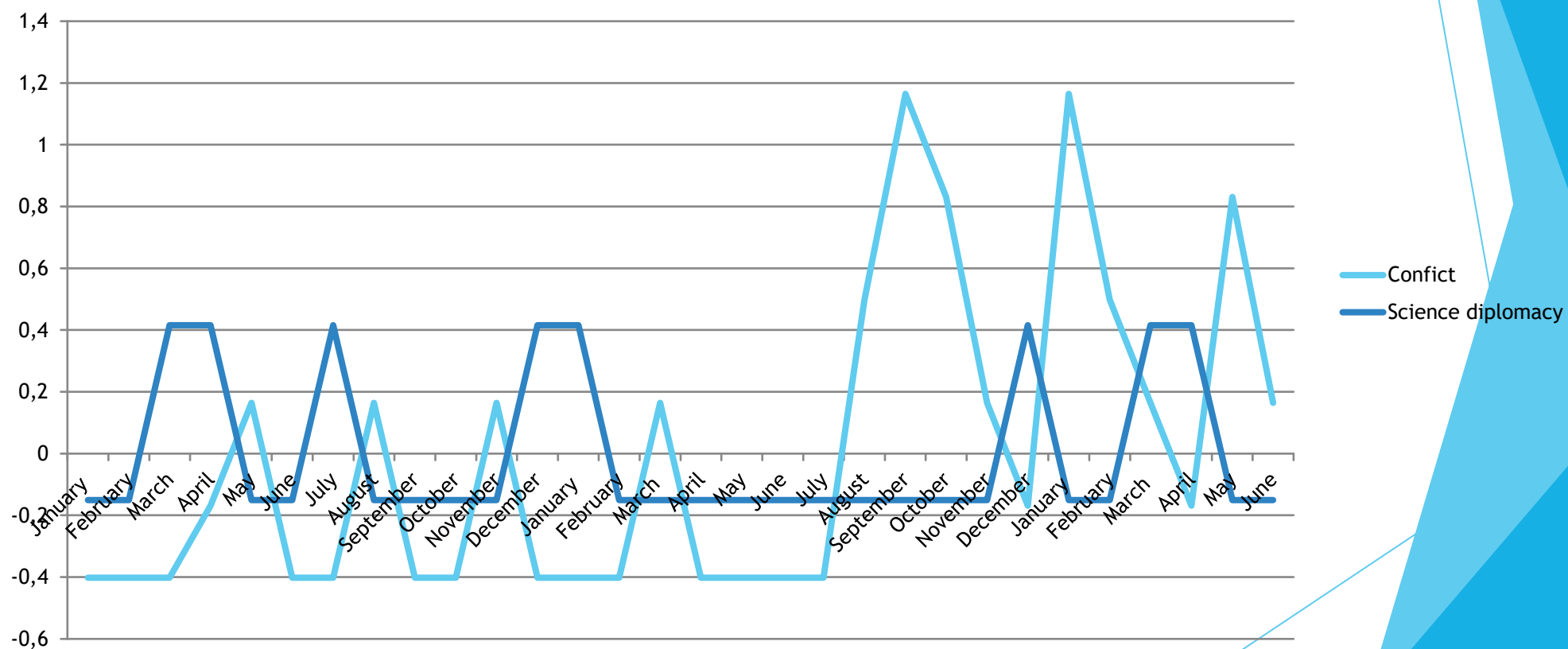
## Dynamics of science diplomacy in the Arctic from January 1, 2017 to July 31, 2019



## Dynamics of conflict in the Arctic in the period from January 1, 2017 to July 31, 2018



# Covariance of conflict and science diplomacy





Thank you  
for your attention!

