Working Project Title

# Team Members

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# Project Description

Our group will be exploring how climate change impacts the global freshwater supply, and if low freshwater areas experience more conflict. We will then assess the Canadian freshwater status and see if there are any trends.

# Research Question to Answer

How does freshwater access correlate with conflict?

# Breakdown of Questions

1. How does climate change impact freshwater access?
2. Do areas with low freshwater access have higher instances of conflict?
3. What areas in Canada have less access to freshwater?
4. Do these areas with low freshwater have higher instances of conflict?

# Potential Data Sets to be Used

[Open Weather Map API](https://openweathermap.org/api)

[USGS Water Services API](https://waterservices.usgs.gov/)

[United Nations Data](http://data.un.org/Search.aspx?q=water)

[Renewable Freshwater Resources](http://data.un.org/Data.aspx?q=freshwater&d=ENV&f=variableID:124&c=2,3,4,5&s=countryName:asc,yr:desc&v=1)

[Net Freshwater Supplied by Water Industry](http://data.un.org/Data.aspx?q=freshwater&d=ENV&f=variableID:29&c=2,3,4,5&s=countryName:asc,yr:desc&v=1)

[Water Quality Data](https://www.waterqualitydata.us/) – Can download in Excel, and it works with the USGS

[Armed Conflict Locations and Events Data](https://www.acleddata.com/data/#OpenModal3853) – Can download in Excel

[Global Health Organization Data Repositories](http://apps.who.int/gho/data/view.main.WSHWATERv?lang=en) – Can download in JSON

[Canadian Freshwater Quality Monitoring](https://www.canada.ca/en/environment-climate-change/services/freshwater-quality-monitoring/online-data.html) – Can download in JSON

[Water Office – Canadian Water Data](https://wateroffice.ec.gc.ca/) – Can download in Excel

[Canadian Open Government Portal](https://open.canada.ca/data/en/dataset/ca11678f-2a52-4d3e-877d-904349db6dfc) – Can download in Excel

# Breakdown of Tasks

Naim Panjwani

* Will extract water levels and quality data based on major instances of climate change to isolate low freshwater locations

Jose Tomines

* Will extract conflict data from the Armed Conflict and United Nations datasets based on low freshwater locations

Swati Madan

* Will extract Canadian locations with low freshwater from the Canadian Freshwater Quality Monitoring and Water Office datasets

Mariaveronica Sayewich

* Will extract conflict data from Open Government Portal based on low freshwater locations