

ABSTRACT

Cherry Blossoms are species of trees that have been observed in various parts of the world, and noticeably different areas showed a varying time frame for the blooming of the Cherry Blossoms' flowers, which rose the question, what influences the blooming season of Cherry Blossoms in different areas across the globe. By bringing that into question, it opens the opportunity to establish a connection between people and experiences from different countries and cultures, creating a space that encourages innovation and new ideas.

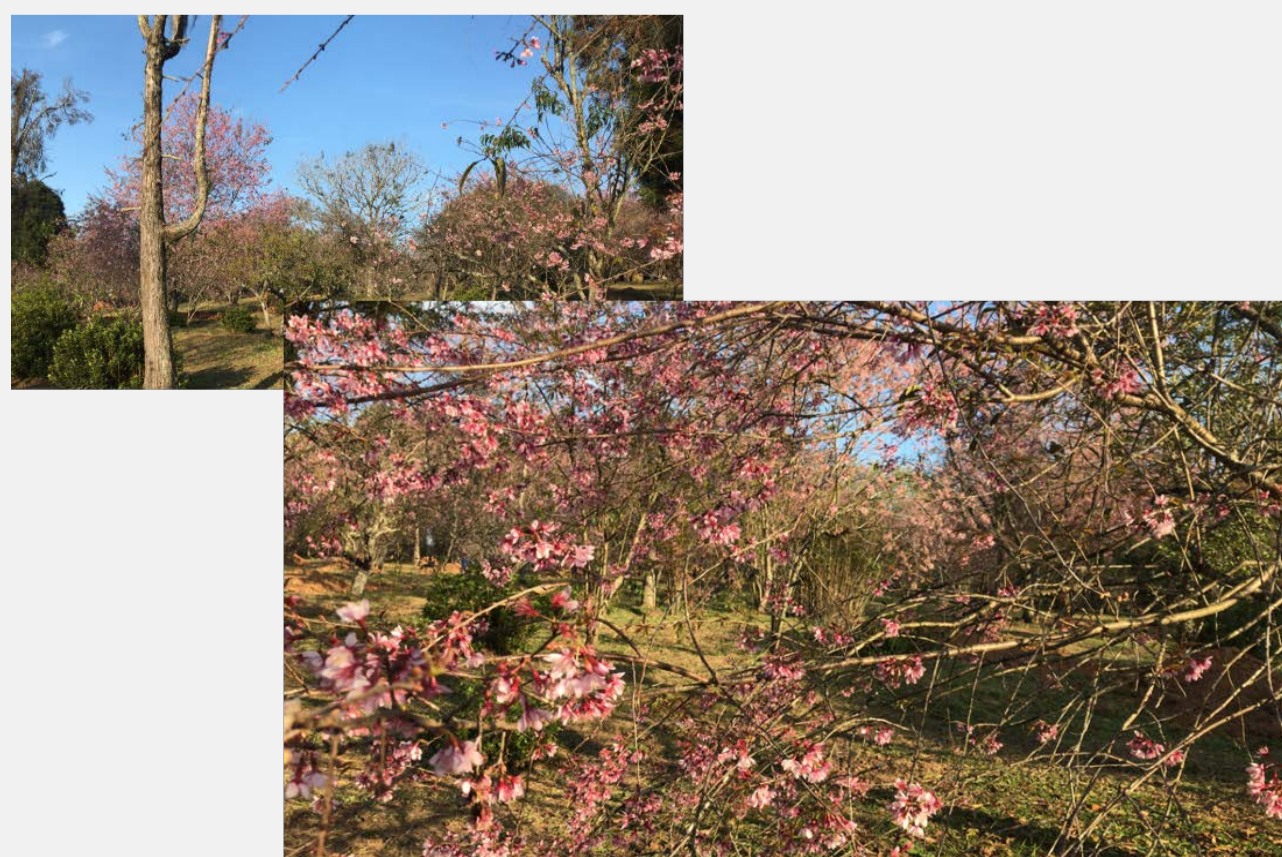
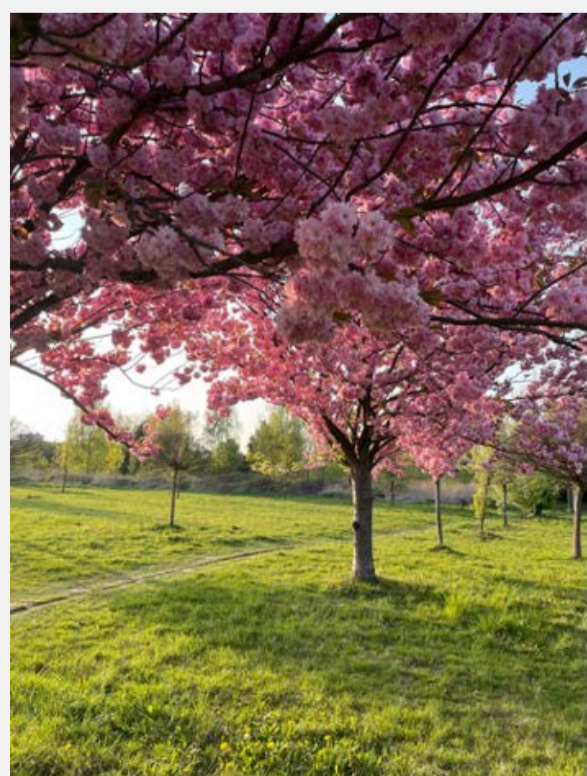
Through the analysis of multiple materials gathered, from in person pictures to data collected from the "Globe" website, it was noted that the blooming of this unique specimen is heavily influenced by the variations of temperature. An essential discovery, since there was a big misconception that the Cherry Blossoms' flowers bloomed based solely on season, spring for example.

RESEARCH QUESTIONS

What influences the blooming season of Cherry Blossoms in different areas across the globe?

Discussion

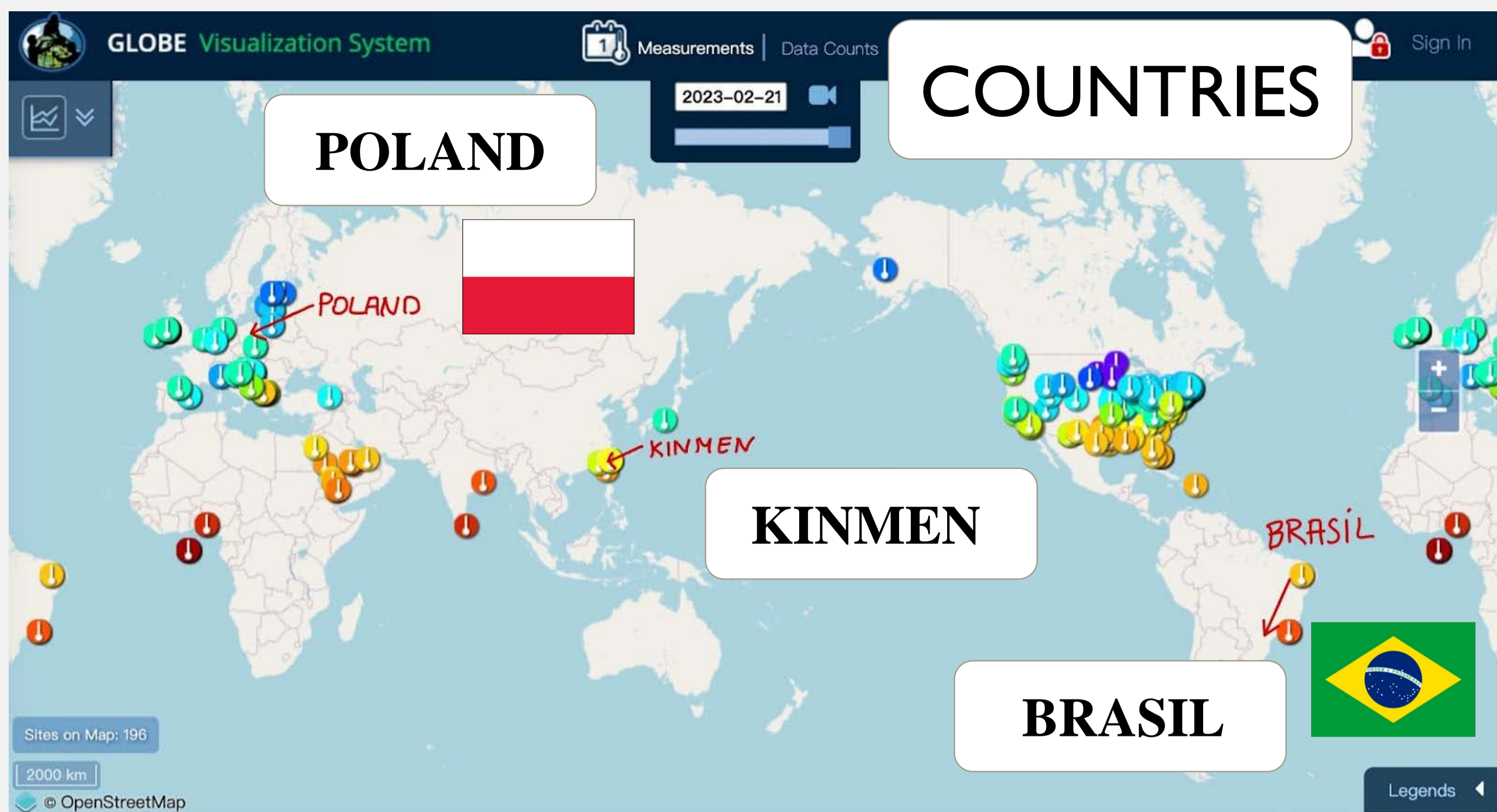
The initial belief that the blooming of the flowers was solely related to a Season, was partly disproved, though the coming of spring is not entirely blameless, the essential element that triggers the flowers' blooming is temperature. It can be observed that there's a very niche temperature range in which the cherry blossoms bloom, between 17 to 23 degrees celsius, a mere 6°C difference between the lowest and highest temperature. In more detail, a 3°C difference between Kinmen, Brazil and Poland. With that in mind, it can be noted that the studied specimen requires very specific climate conditions that happen at different times across the globe, thus creating this notable difference in each country's blooming season.



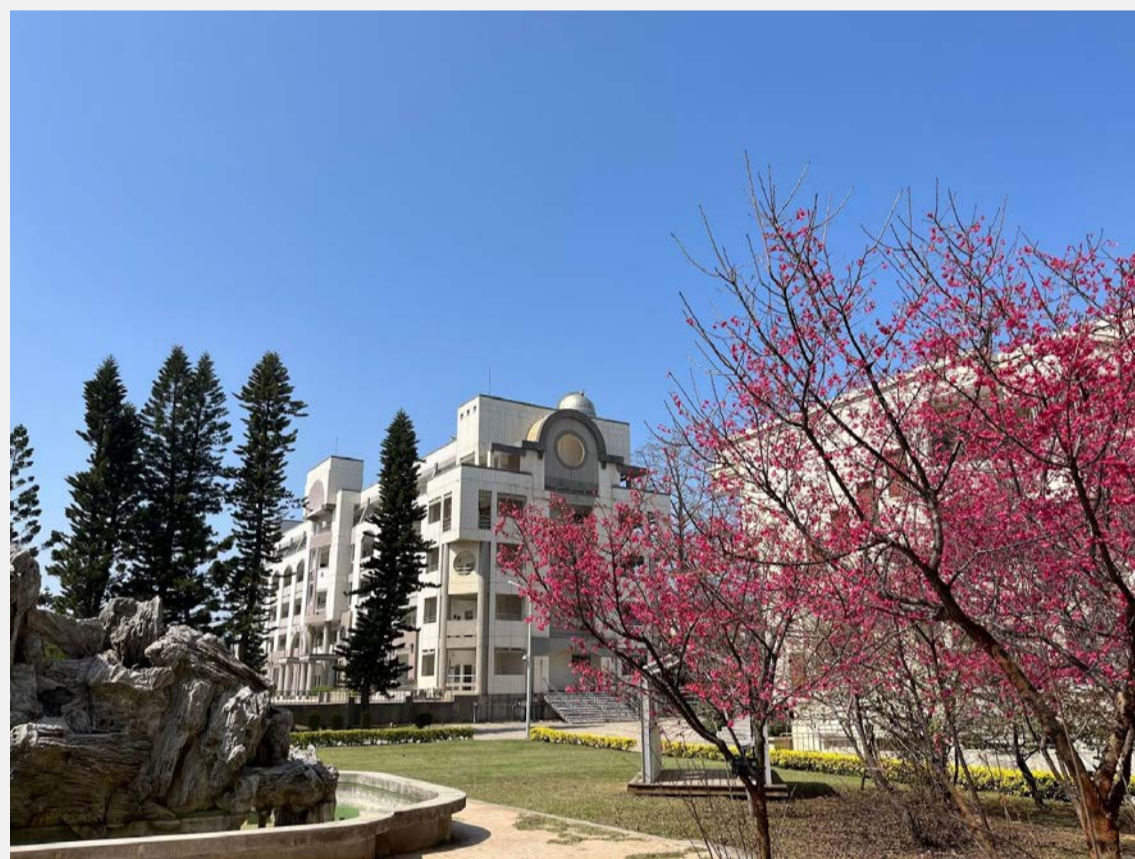
From these charts, it can be seen that the temperature from Poland during flowering (05/02/2022) was about 20°C and before flowering there was a rapid increase in temperature.

Similar phenomena can also be observed in Brazil (04/08/2021) the temperature was also around 23°C.

In Kinmen, the temperature during flowering was 17°C and there was also a rapid increase in temperature.



CHERRY BLOSSOM STUDIES



GROUP INTRO

We are exchange students who came from different parts of the world with the intention of getting to know the local culture and learn the language. In Taiwan, everything is different than in our countries, but the one thing that occurs the same way in each of our countries are Cherry Blossoms. With this in mind we came up with the idea of starting a project comparing the cherry blossoms' blooming in different climatic zones, more specifically, the ones our countries are located in. The Cherry Blossom in this experiment is a fixed point that needs the same conditions in every country to bloom, which occur at different times in each of them.

CONCLUSION

