

# Portfolio

Semester 3

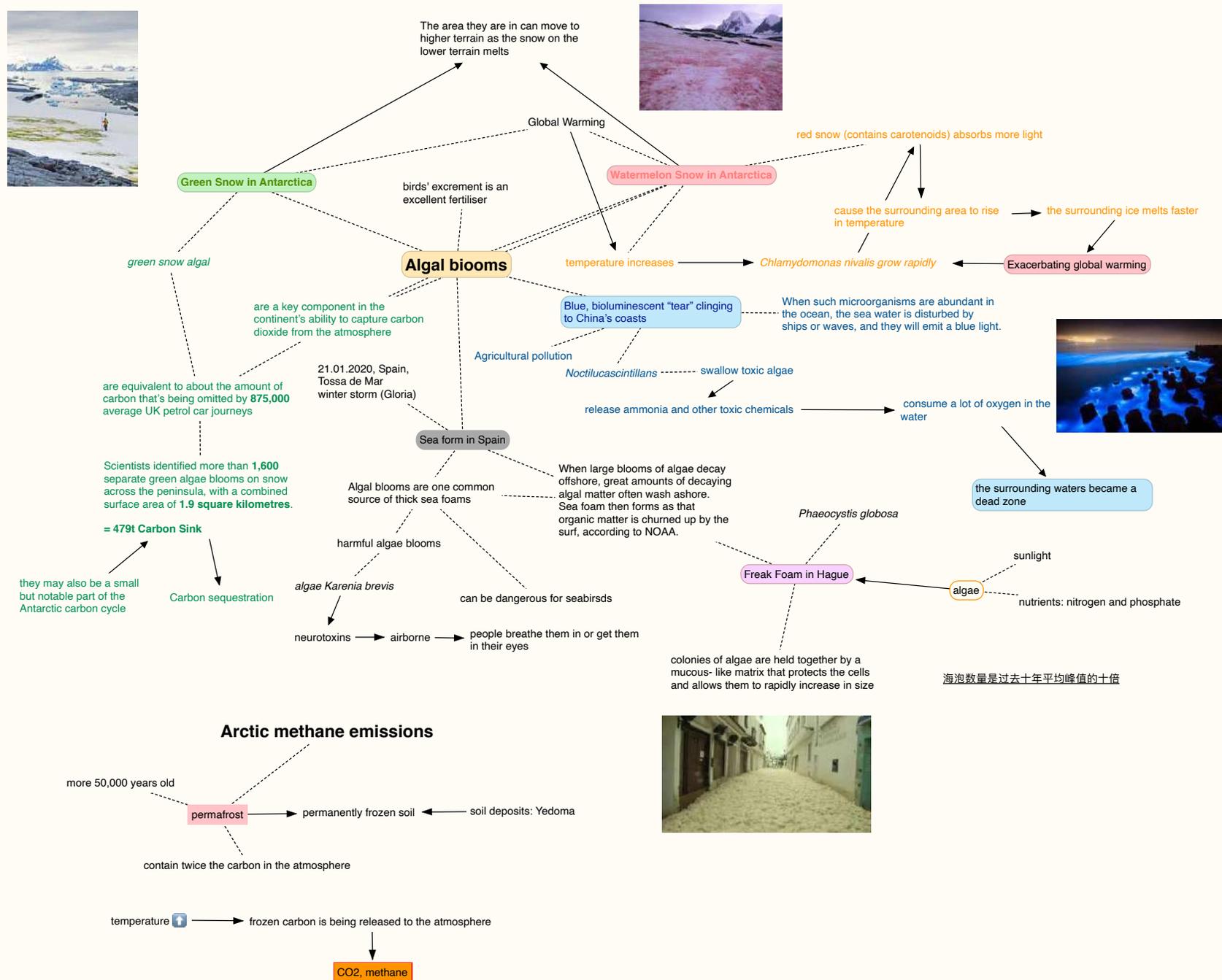
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# Statement

The theme of the work completed this semester is about algae blooms. Its splendid "flowers" bloom in Antarctica, seaside, cities...green, red, blue, foamy... When I first met the term "algae bloom" because of the lake in my hometown. Water pollution produced a lot of green algae, and Taihu Lake became a "green lake". But such a creature can bring a fatal blow to the earth.

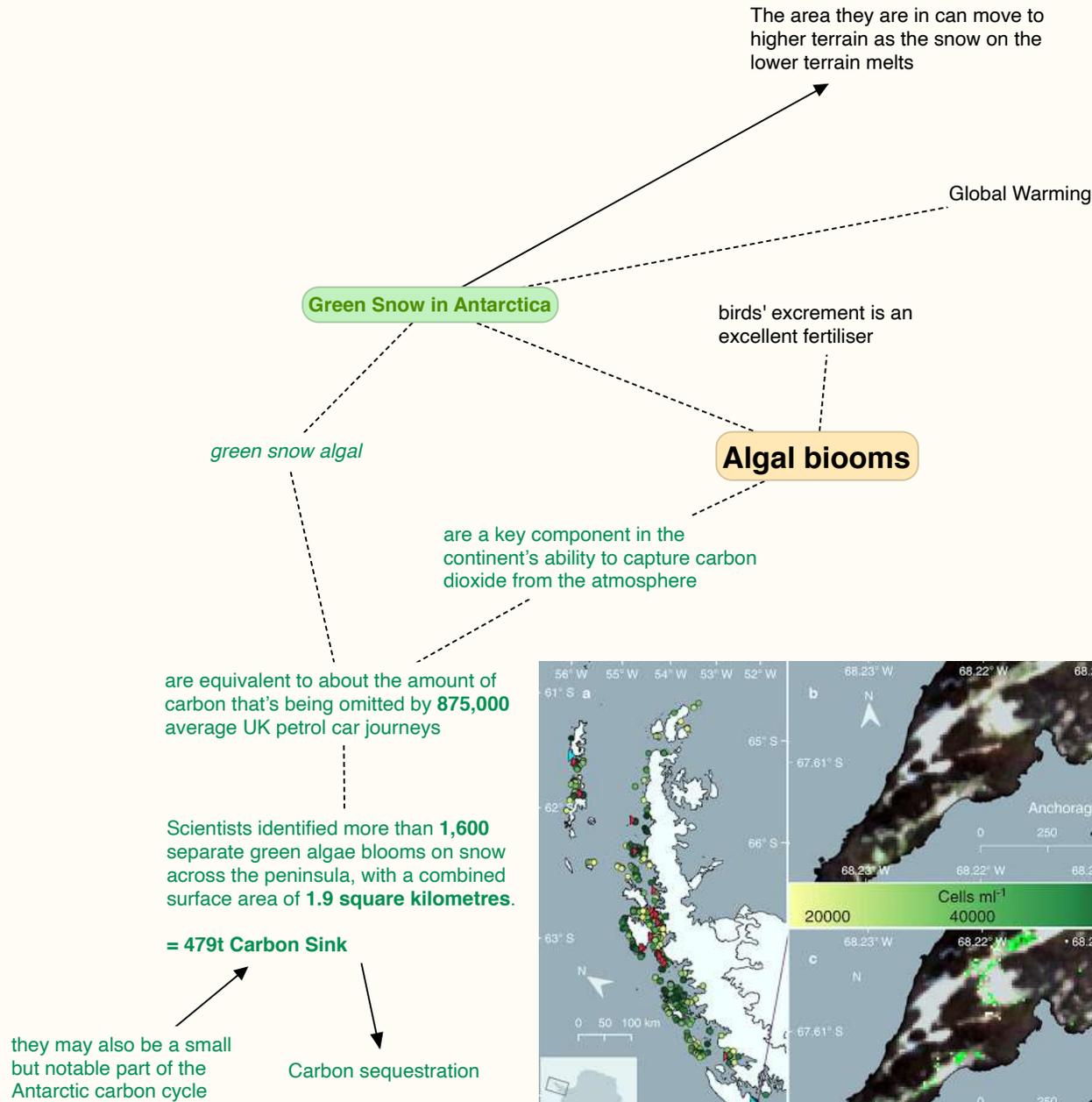
The green snow is unique and beautiful. But beautiful things are often fatal. Due to global warming, Antarctic temperature abnormally rises, glaciers is melting, green algae spread freely in Antarctica, penguin dung is its symbiotic body and they rely on the melting of glaciers to survive. The wider the melting range of glaciers, the wider the area of "green snow". From the continuous cutting of trees by humans to the green snow in Antarctica, this is like a chain of causality. From the disappearance of one green to the production of another, this is not a positive response.



Completed

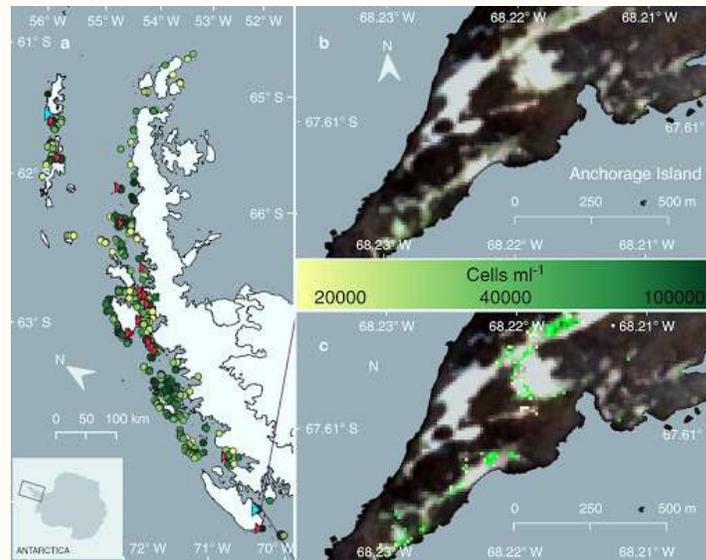
*GREEN* ANTARCTICA





<https://www.wheninmanila.com/parts-of-antarctica-are-turning-green-literally-and-heres-why/>

Antarctica conjures images of an unbroken white wilderness but blooms of algae are giving parts of the frozen continent an increasingly green tinge. Warming temperatures due to climate change are helping the formation and spread of “green snow” and it is becoming so prolific in places that it is even visible from space, according to new research.



<http://www.sci-news.com/biology/green-snow-algae-blooms-antarctica-08458.html>

This time-lapse video simulates the melting of a glacier. It was originally a white snow mountain. As the temperature rises, the green algae on its surface spreads rapidly, forming "green snow". I hope the audience could feel its impact through the melting of the green square in the video and the "interaction" between it and the sugar below. I hope people can have an idea: in the future, will Antarctica really turn green?



The spread and flow of green at different speeds in the video may give the audience an emotional ups and downs. The rapid melting of ice indicates that the issue of global warming is urgent. The slow flow of green may be a metaphor for green algae and glaciers. Waiting for people to stop the pace of the industrial age to save both them.





Link to the video:

<https://youtu.be/VtV9eQNYwas>

Link to MA works of my website:  
<https://yanzhenwu.wixsite.com/zhen>