



# CLIMATE DETECTIVES 2021 – 2022



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## RESEARCH QUESTION

How to eradicate this pollution ?

## SUMMARY OF PROJECT

Every year the beaches of Guadeloupe are invaded by massive strandings of sargassum. This leads to the destruction of the pelagic ecosystem and endangers the health of populations.  
How can this be remedied ?

## MAIN RESULTS

After modelling and simulating the sargassum accumulation zones from 2018 to 2021, we made a projection for April 2025 using two scenarios:  
-if high volcanic activity --> extensive accumulation zone  
-if low volcanic activity --> reduced accumulation zone.

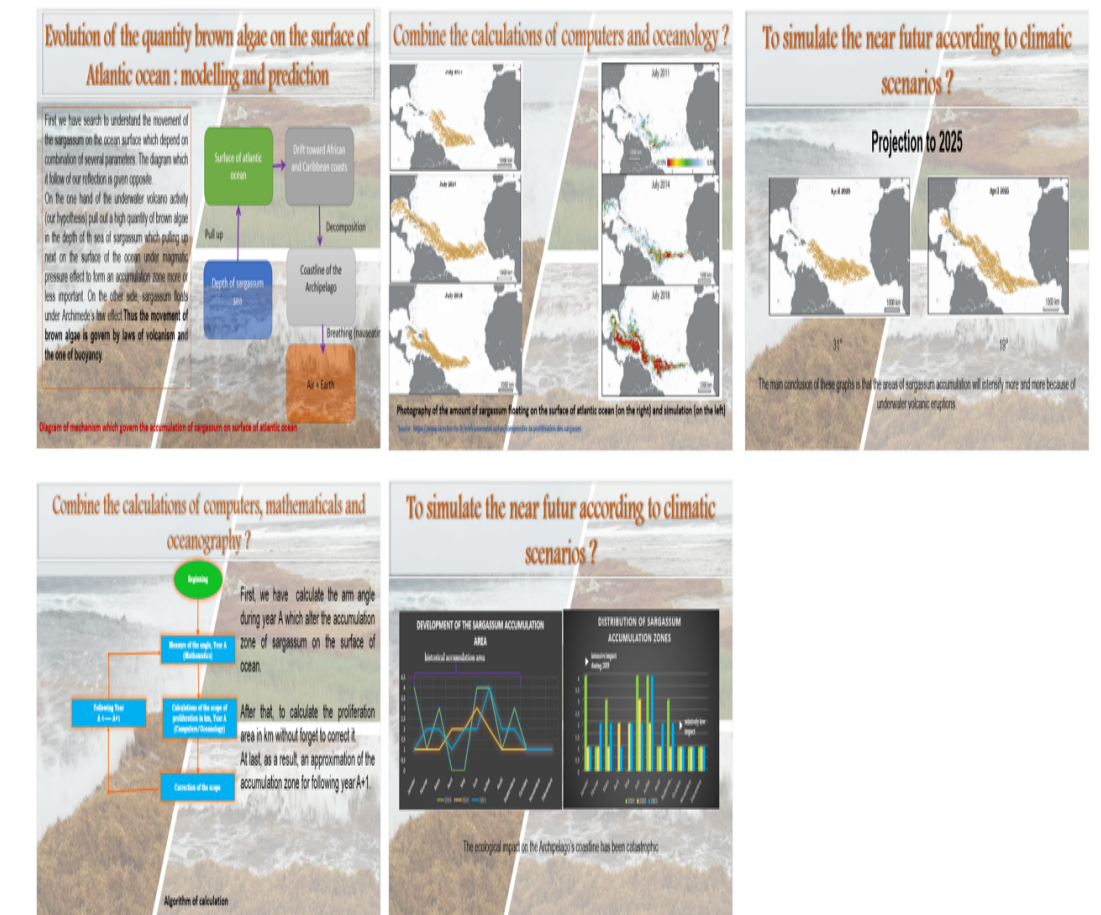


Figure 2:

## ACTIONS TO HELP LESSEN TO THE PROBLEM



Figure 1:

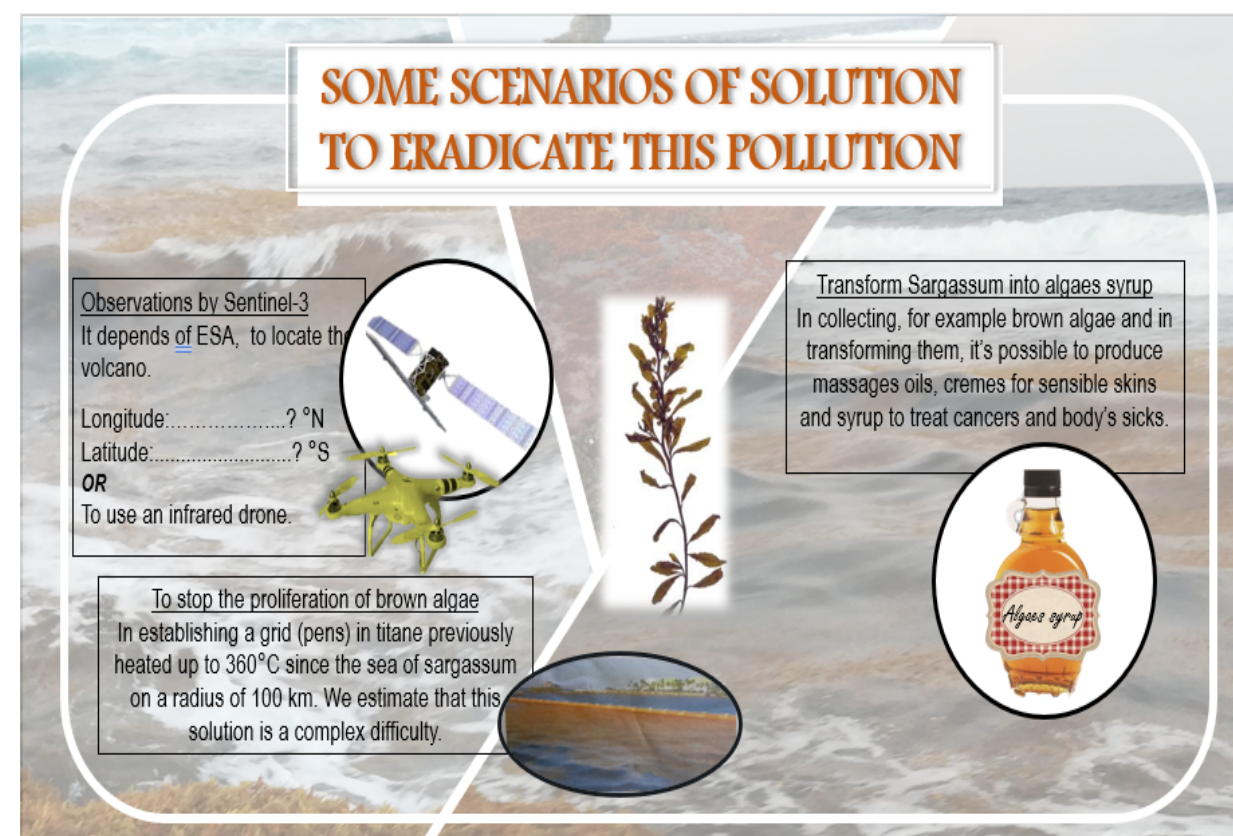


Figure 3:

We have proposed a few solution :

- creation of dams
- turn sargassum into syrup.