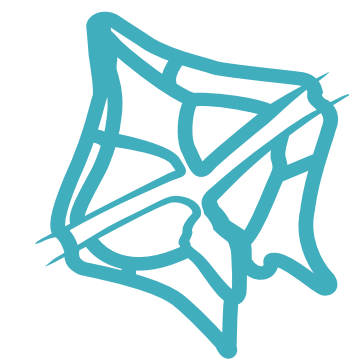




PLASMA

a multidisciplinary project

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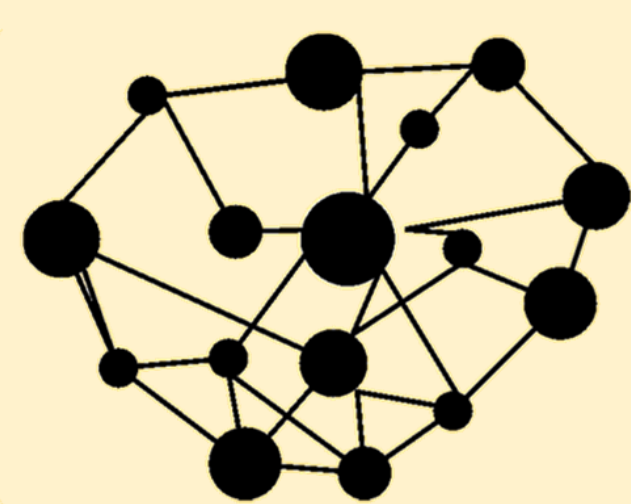


Tropical island lagoons like that of Mayotte (Comoros archipelago) composed of mangroves, seagrass beds, and coral reefs, play key ecological roles in the biodiversity of the world and provide food for the population they live around. However, these reef-lagoon systems are increasingly impacted by anthropogenic inputs as plastics. Mayotte lagoon, one of the most beautiful lagoons is a perfect example. It is currently facing major threats from human pressure and overpopulation, and the quantity of these pollutants and their effects on the environment (fauna, marine flora, coral, etc.) need to be assessed

Plasma aims to gain a better understanding of the state of microplastic pollution in Mayotte Lagoon :

- How many ?
- Where do these microplastics come from? Do they come from the local practices of local people? Or do they come from far away, transported by marine currents and accumulated in the lagoon by the particular hydrodynamic circulation of channel lagoons ?
- Which impact ? Mainly which impact on plankton and coral ecosystem ?
- How to limit their proliferation ?

Social sciences



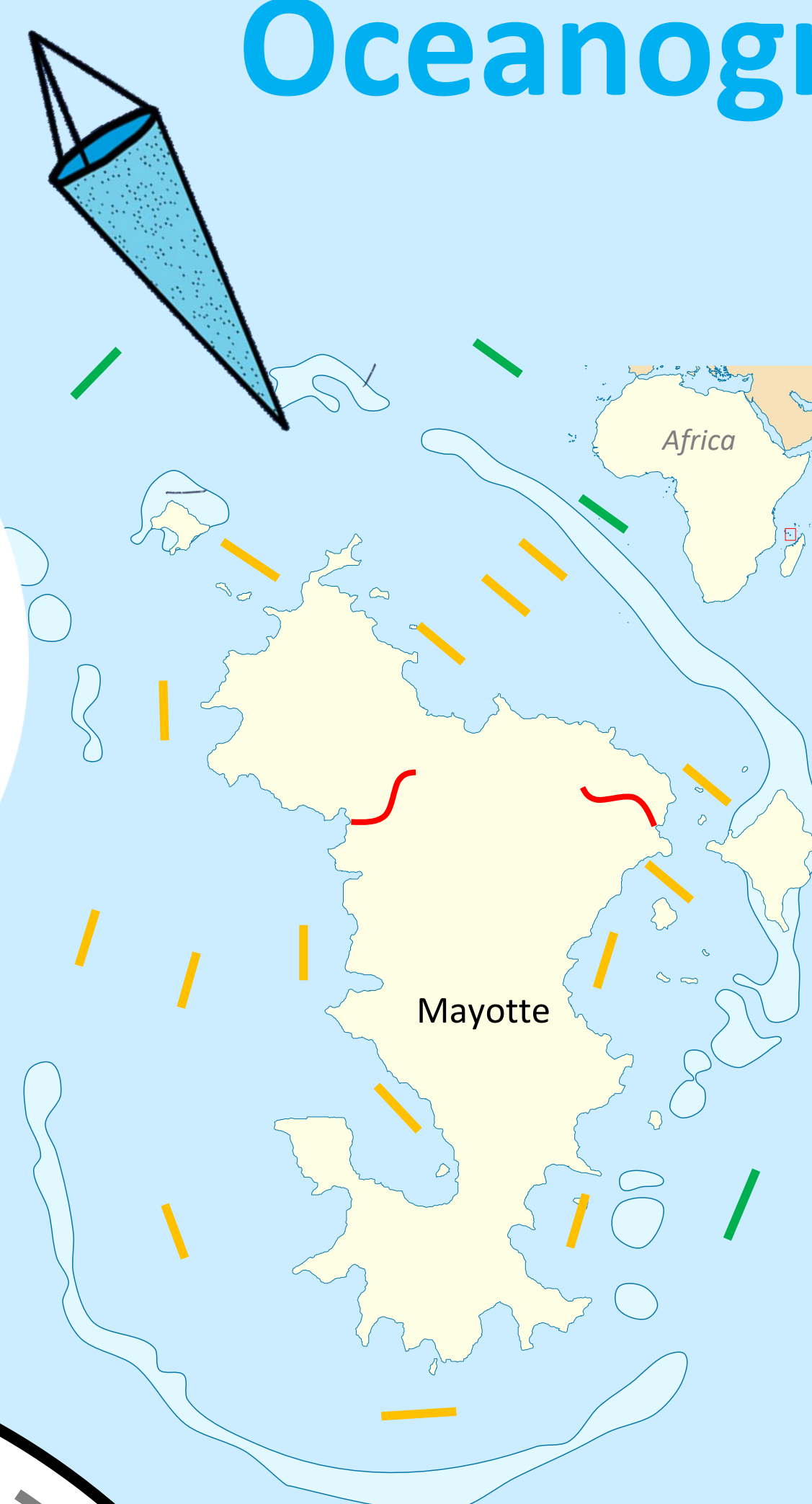
352 interviews performed

- Students are **passers-by**
- They provide access to part of the population
- They **translate** what is said and explain situations
- They performed the questionnaires and social study

For more info:

Thu, 05 Jun, 18:00–20:00 (CEST) | Poster area "La Baleine" | P40
Tue, 03 Jun, 17:00–17:10 (CEST) | Room 7

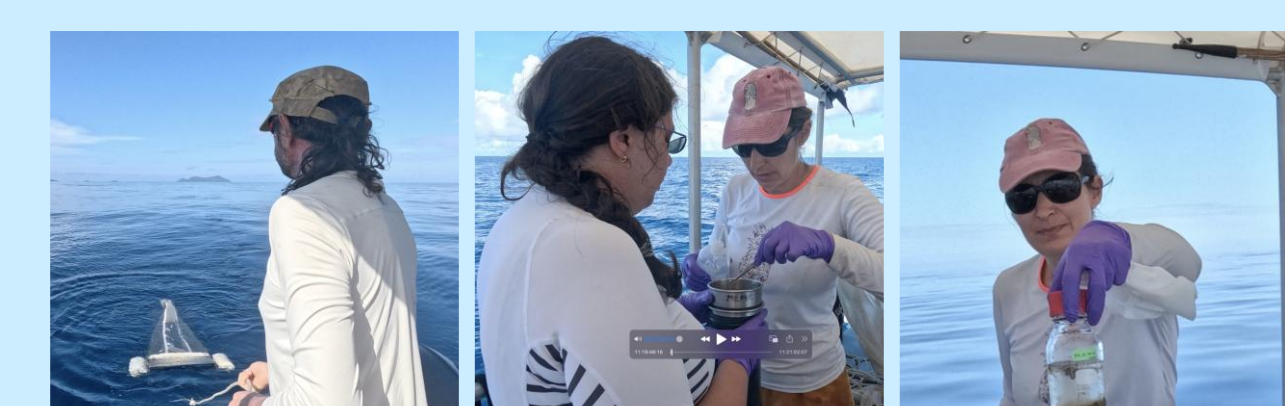
Oceanographic methods



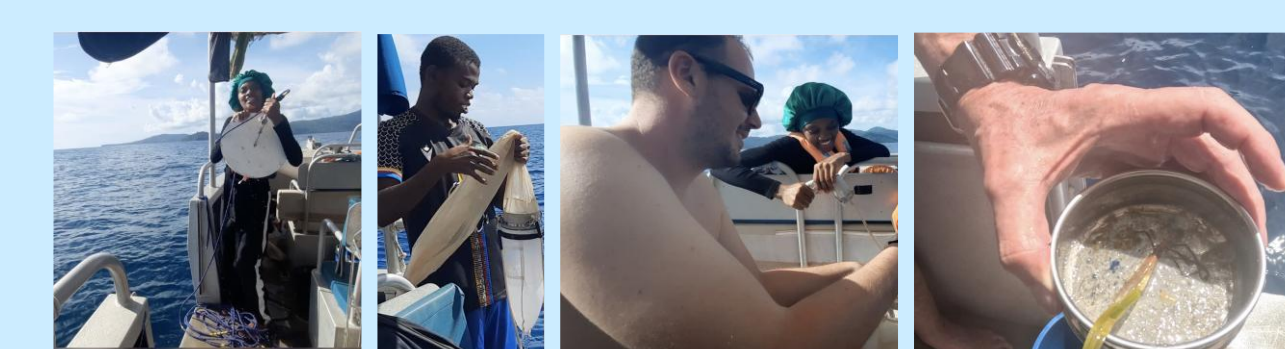
River sampling by students (4 rivers, 2 seasons)



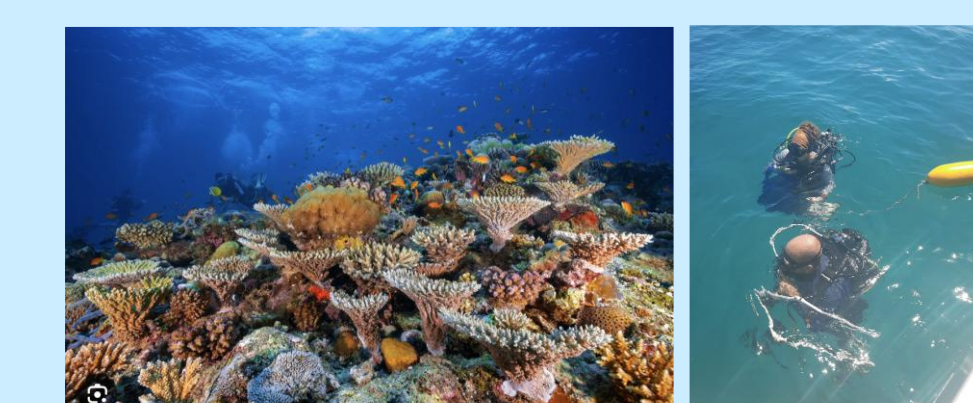
Microplastics in the lagoon



Plankton and environment



Coral reefs monitoring



For more info:

Thu, 05 Jun, 18:00–20:00 (CEST) | Poster area "La Baleine" | P269

CONF RENCE DES NATIONS UNIES SUR L'OCEAN NICE 2025 FRANCE

<p>La Baleine</p> <p>Monday 9 June, 10:00</p> <p>Atelier-conf�rence</p> <p>R�gion SUD stand.</p>	<p>Pavillon Archipel</p> <p>Friday 13 June, 11:15</p> <p>Atelier-conf�rence Clubs</p> <p>Jeune Oc�an de Mayotte</p> <p>sur la pr�servation des rivi�res et du lagon.</p>
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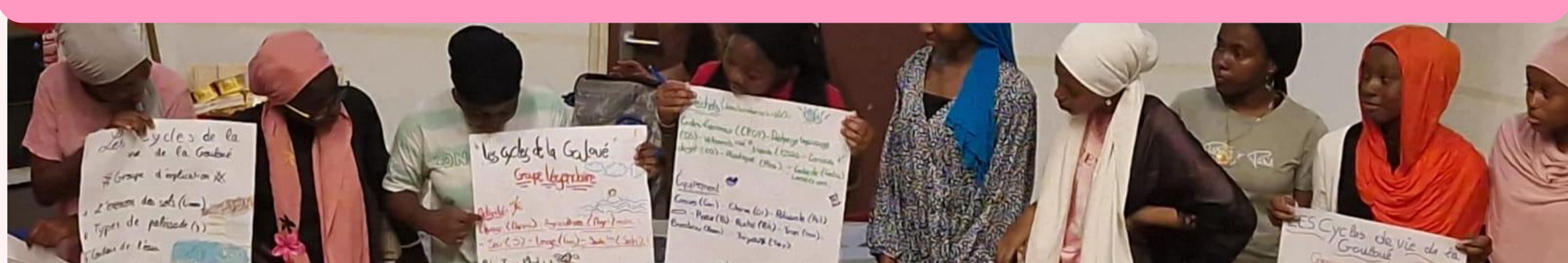
River parliament



Brings **together** a multitude of stakeholders (residents, state institutions, scientists, etc.) to **find concrete solutions** together to better preserve Mayotte and **reduce pollution**.

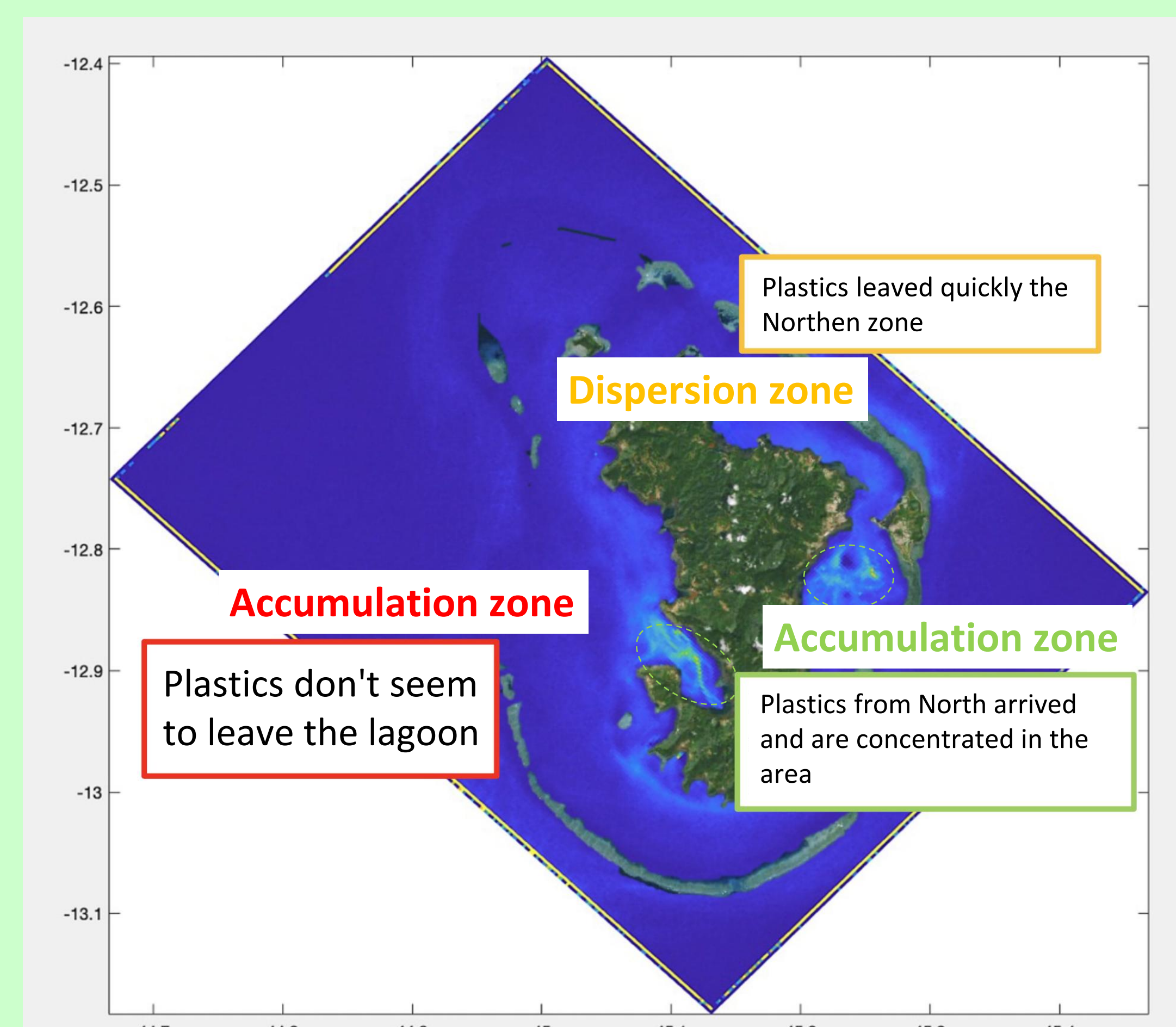


Sensibilisation by pupils



By taking action, pupils become aware of the problem and **raise awareness among their friends and family**

Awareness and actions



Modelling