

# collect

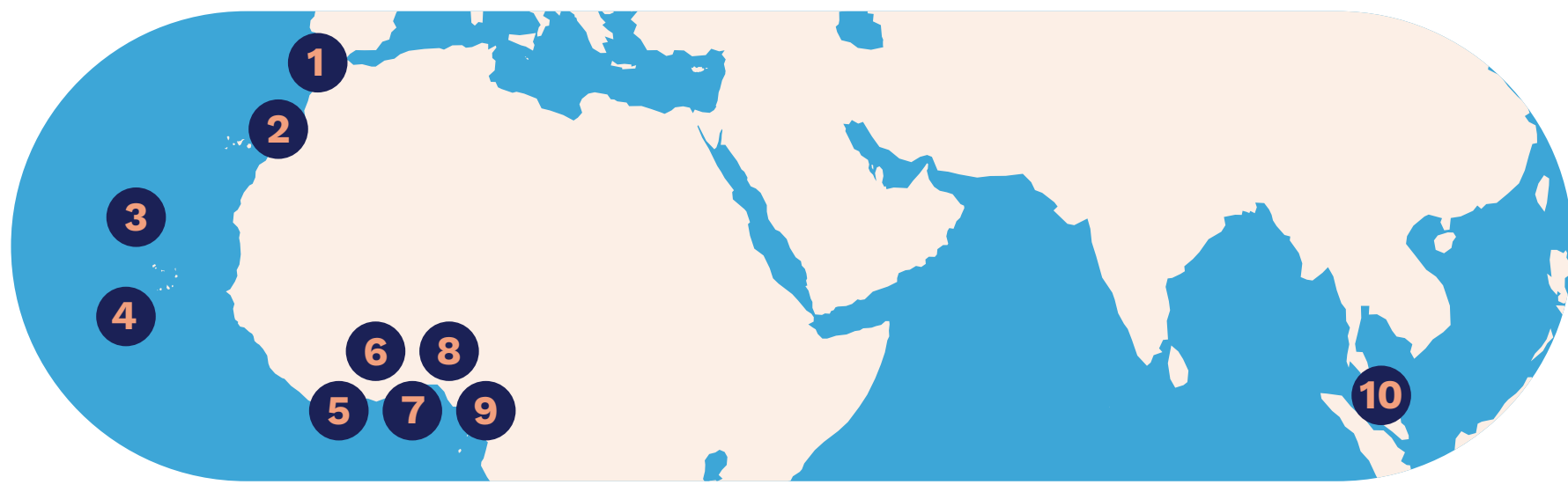
CITIZEN OBSERVATION OF LOCAL LITTER  
IN COASTAL ECOSYSTEMS

**COLLECT** empowers  
students to become  
citizen scientists

Students collected and  
analysed plastics from  
sandy beaches

**COLLECT** had a positive  
impact on students' ocean literacy

## PARTICIPATING SCHOOLS & SAMPLING LOCATIONS



**Morocco**  
École IBN Batouta



**Morocco**  
Lycée des Sportifs



**Cabo Verde**  
Escola Salesiana de  
Artes e Ofícios



**Cabo Verde**  
Liceu Ludgero Lima



**Côte d'Ivoire**  
Collège les Oliviers  
du Port Bouet



**Ghana**  
O'Reilly Senior High  
School



**Benin**  
Lycée Technique  
Coulibaly



**Nigeria**  
Riverside College



**Nigeria**  
University of Calabar  
International  
Secondary School



**Malaysia**  
Prince of Wales Island  
International School

## RESULTS

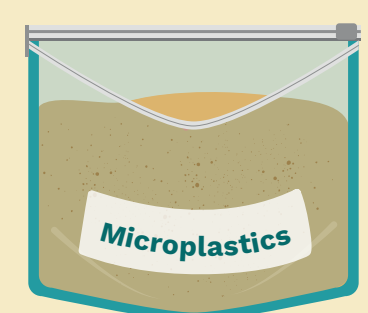
**Season 1:  
Rainy Season  
/Autumn 2021**

**Season 2:  
Dry Season  
/Spring 2022**

**Mean items  
/Kg dry sediment**

Microplastics

14.01

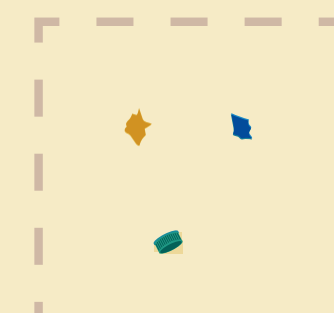


43.60

**Mean items/m<sup>2</sup>**

Mesoplastics

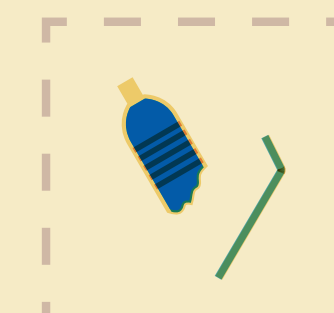
2.98



2.95

Macroplastics

1.38

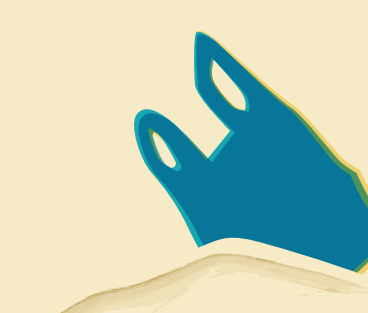


1.49

**Top 3 observed items**

Plastic bags

12%



11%

Plastic bags

Polystyrene

10%



9%

Polystyrene

Plastic bag ends

8%



10%

Bottle lids

**Higher microplastic density  
observed in season 2**

**Most of the observed macroplastics  
were single-use items**

**IMPACT** 239 students, age 11 to 22

## BEFORE COLLECT

**High level of awareness  
and concern towards  
marine litter**



**Beach litter removal  
perceived to be  
everyone's responsibility**



## AFTER COLLECT

**Higher well-being**



**+12% happiness**

**+6% well-being**

**+19% nature  
connectedness**

**Increase in behaviours  
that help reduce litter**

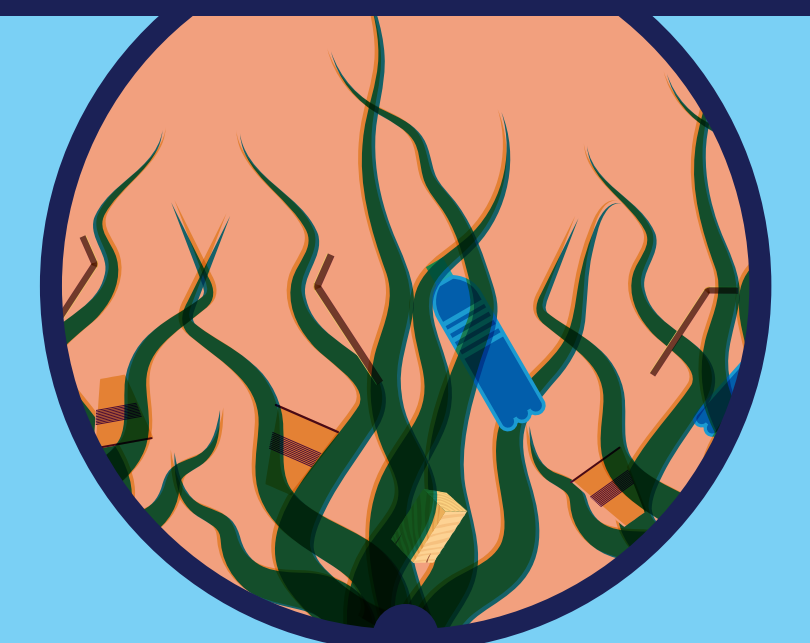


**+12% encouraging  
friends and family to  
do these actions**

**+11% avoiding plastic  
bags at the supermarket**

**+16% picking up  
litter on the beach**

**Better understanding of the  
causes and consequences  
of marine litter**



**+5% perception  
marine litter is  
bad for tourism**

**+7% understanding  
marine litter is due to  
packaging**

**+5% understanding  
marine litter is due to  
rivers discharging  
wastes in the sea**

**INCREASE IN OCEAN LITERACY  
AND PROJECT PERCEIVED AS AN  
IMPORTANT LEARNING EXPERIENCE**



RICHARD LOUNSBERY FOUNDATION  
EST. 1959