



# ENVIRONMENTAL REPORT

OCEAN INITIATIVES 2023

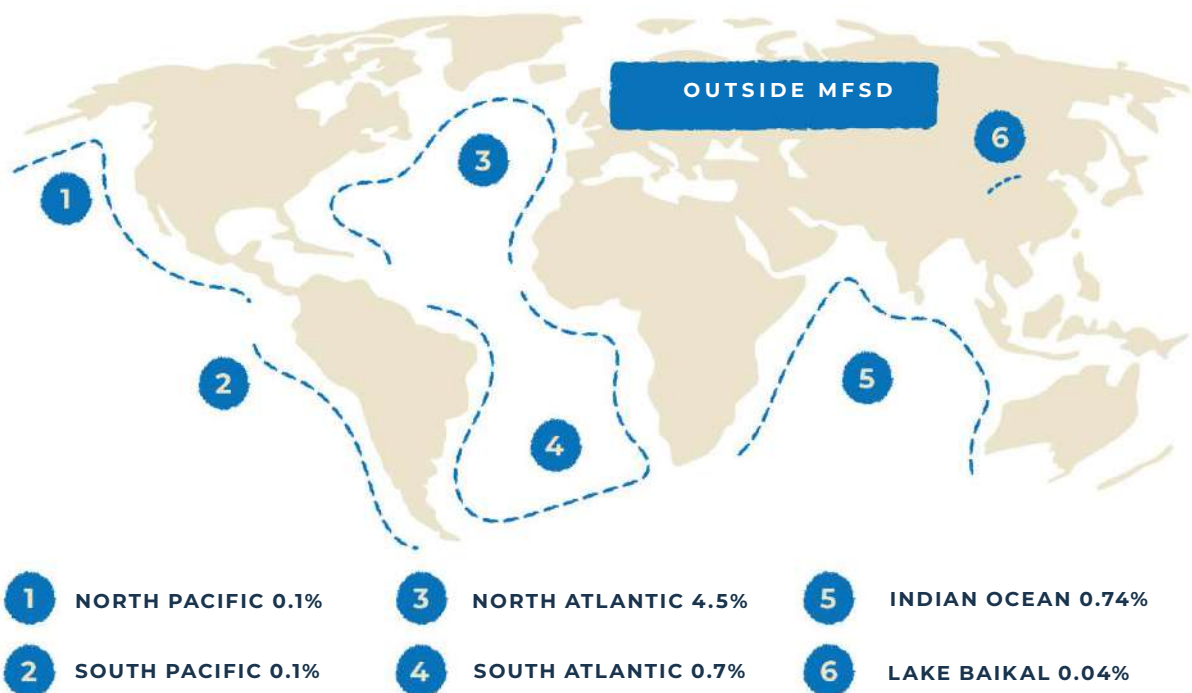
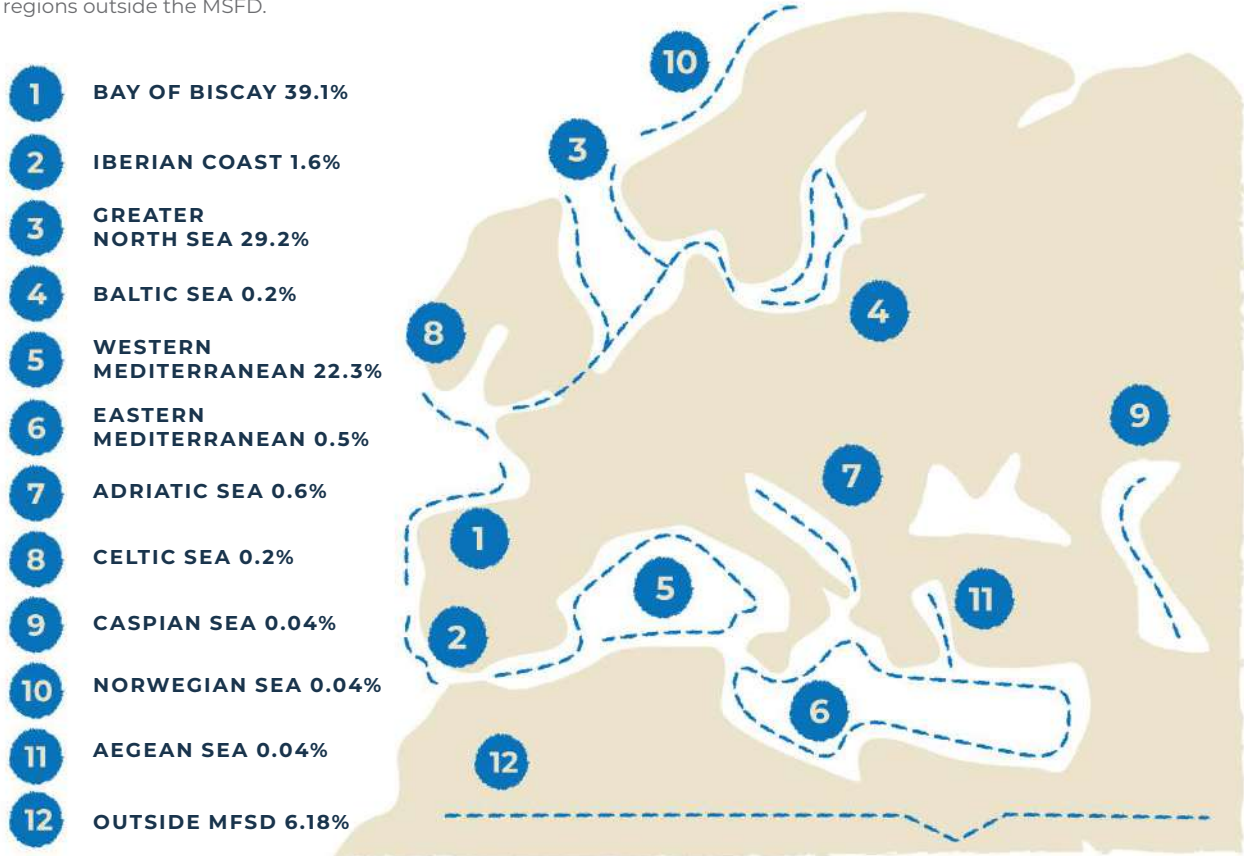
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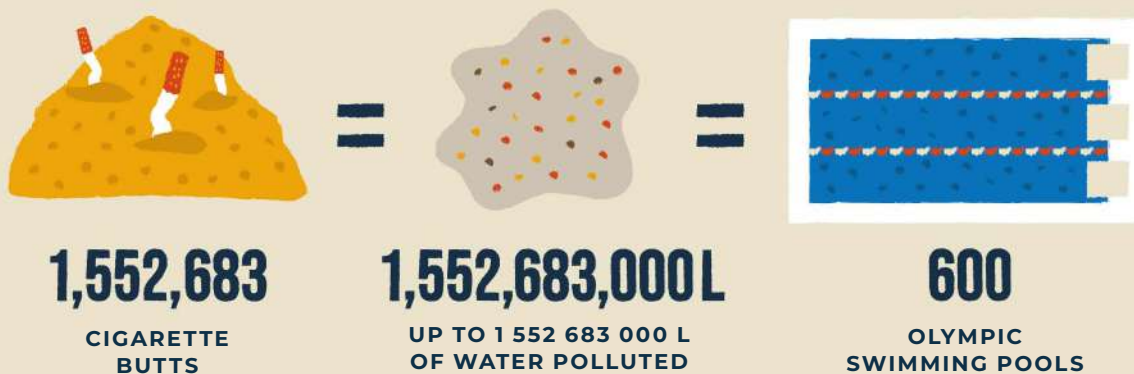
# WHERE DID LITTER COLLECTIONS TAKE PLACE?

**NUMBER OF COLLECTIONS: 2,461**

To present the regions where collections took place the area was divided into two parts: one part focusing on, the major maritime areas in Europe as defined by the Marine Strategy Framework Directive (MSFD) and another part focusing on regions outside the MSFD.



# OCEAN INITIATIVES 2023 IN FIGURES



# QUANTIFICATION

For several years now, we've asked Ocean Initiatives participants to take part in a community science operation by completing a report form in order to better understand the state of European and world coastlines in relation to marine litter. To do this, participants were asked questions about their collection site and to quantify 35 types of litter categorised by material and usage. This list is based on the master list of the harmonised European protocol and on the most frequently found litter items on European beaches.



## KEY FIGURES



**23,452**

PARTICIPANTS

**6,359**

WERE SCHOOL CHILDREN



**523.5 KM**

DISTANCE ANALYSED



**2,140,735**

NUMBER OF LITTER ITEMS QUANTIFIED



**71%**

OF LITTER COLLECTED IS SINGLE-USE WASTE. SINGLE USE REFERS TO OBJECTS INTENDED TO BE USED ONLY ONCE (E.G. PLASTIC BOTTLES OR STRAWS)



**22%**

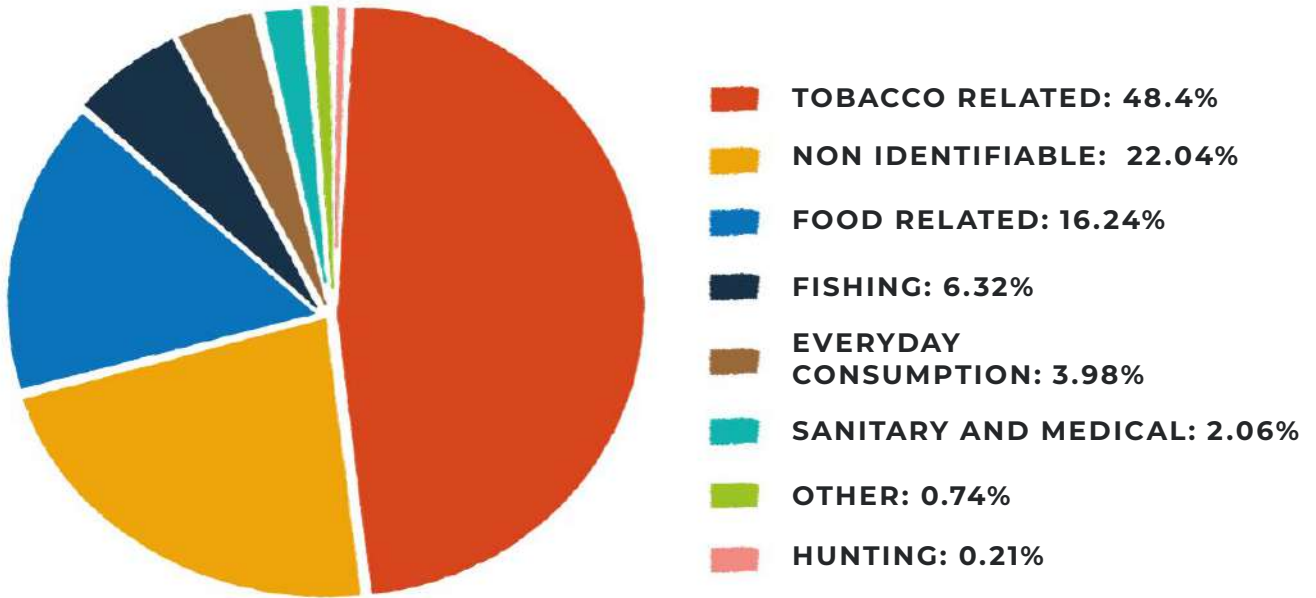
OF THE LITTER COLLECTED IS UNIDENTIFIABLE WASTE OR FRAGMENTS

# TYPES OF LITTER, QUANTIFIED

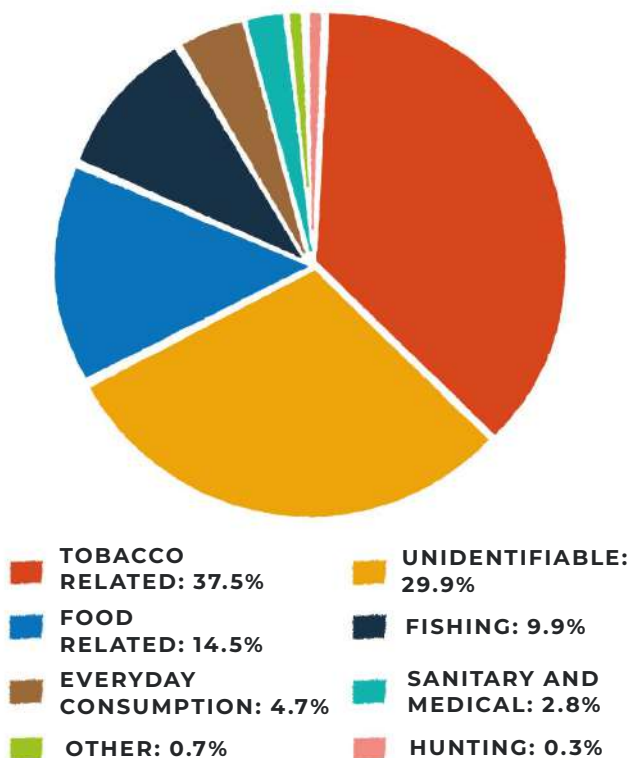


# TYPES OF LITTER COLLECTED BY USE

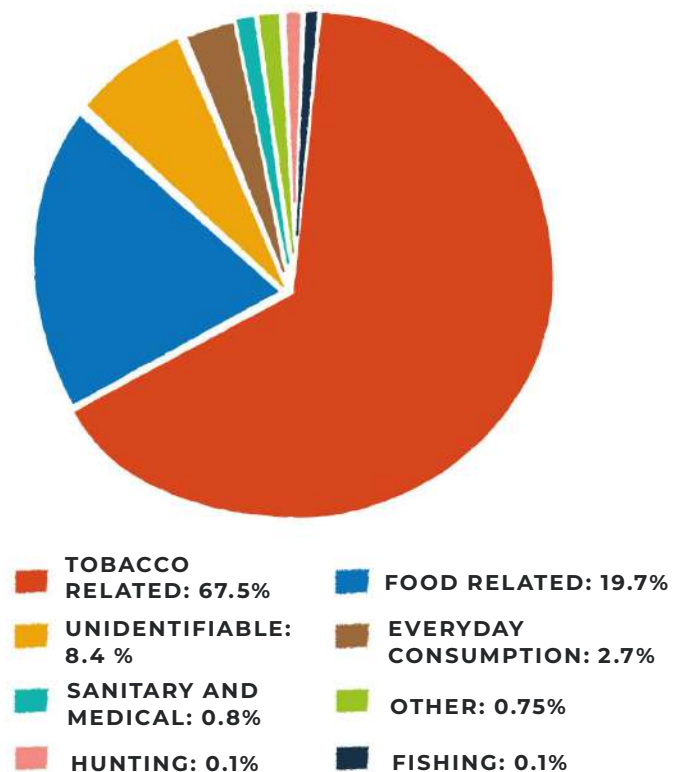
## GLOBAL DISTRIBUTION



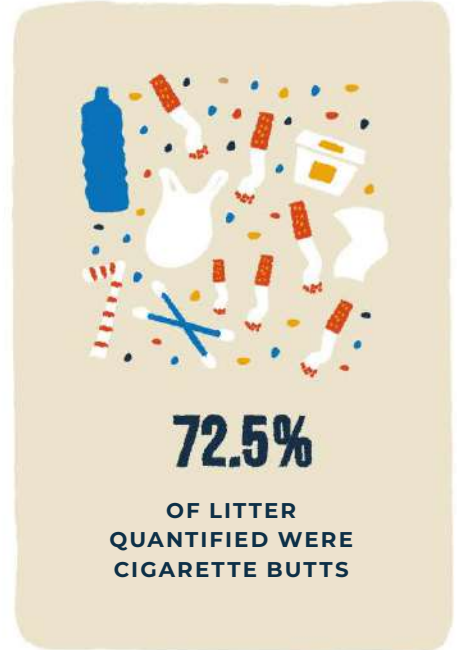
## COAST



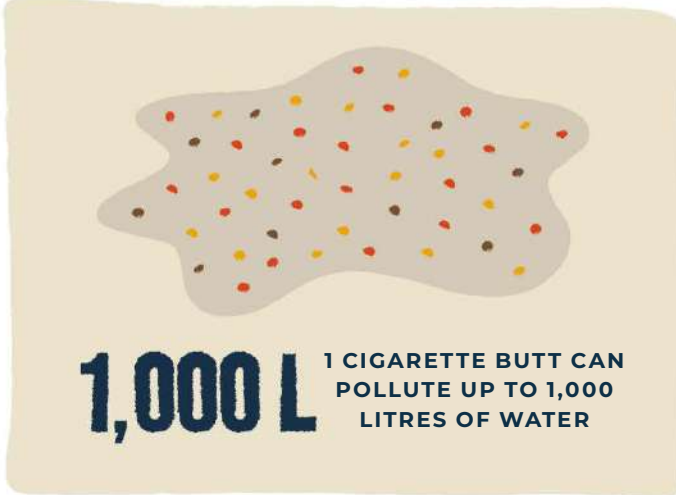
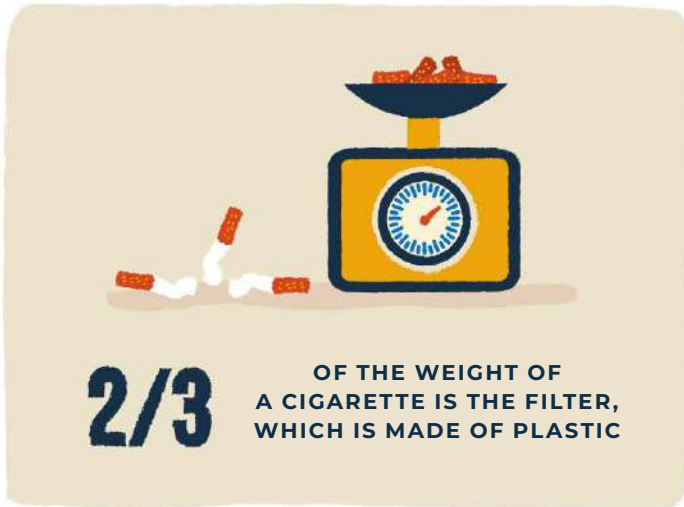
## INLAND



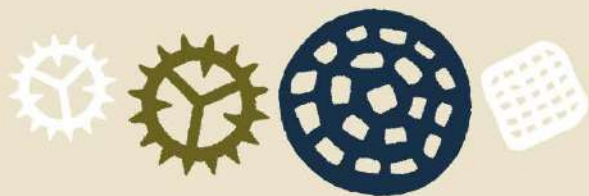
# CIGARETTE BUTTS



## PLASTIC AND CHEMICAL POLLUTION



# BIOCARRIERS



PLASTIC OBJECTS USED AS A SUPPORT FOR BACTERIA TO BREAK DOWN ORGANIC MATTER

## USE



**WASTEWATER TREATMENT PLANT**  
(Collective sanitation)



**INDUSTRIAL WATER TREATMENT**  
(Fish farming, food production, paper/cardboard production and transformation, pharmaceuticals and hospitals, production of phytosanitary products, hydrocarbon extraction and processing)



## POLLUTION

DURING FLOODS, INTENSE STORMS, PEAK TOURIST PERIODS GENERATING LARGE FLOWS OF WATER OR WHEN INFRASTRUCTURE MALFUNCTIONS, BIOCARRIERS CAN END UP BEING DISCHARGED INTO THE ENVIRONMENT

# 2,211

BIOCARRIERS FOUND DURING OCEAN INITIATIVES IN 2023



## 3 POLLUTIONS IN 2023

NYKOPING  
(SOUTH STOCKHOLM)

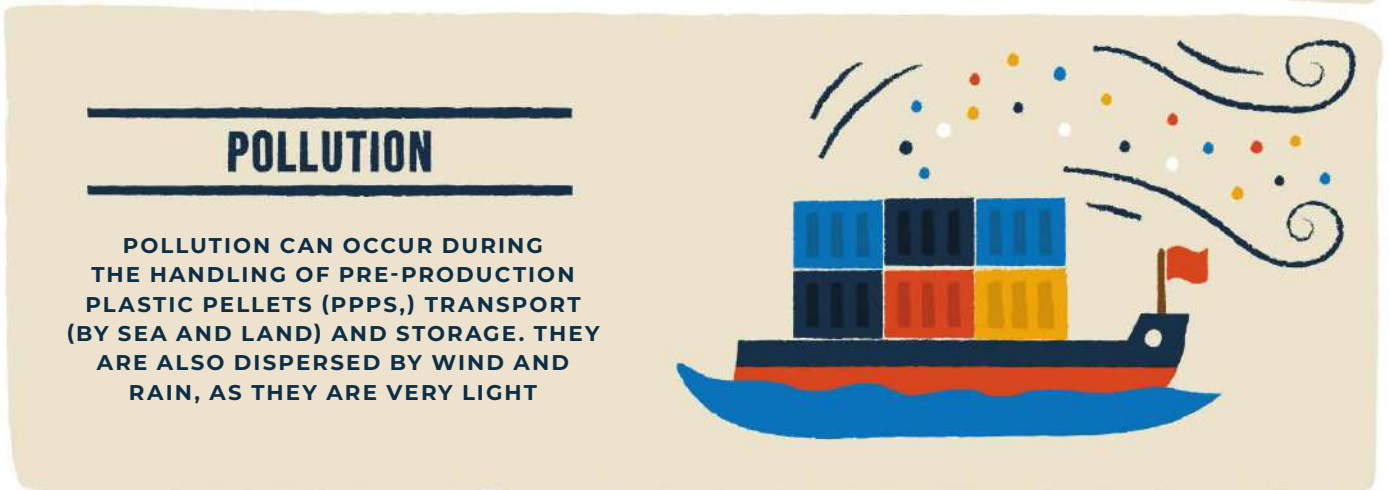
SAINT-NAZAIRE  
(FRANCE)

BEAUFORT SUR GERVANNE  
(FRANCE)



**MORE INFORMATION ABOUT BIOCARRIERS**

# PELLETS



## MORE INFORMATION ABOUT PELLETS



*A big thank you to everyone involved,  
without your participation none of this would be possible.*