

SEA POLLUTION

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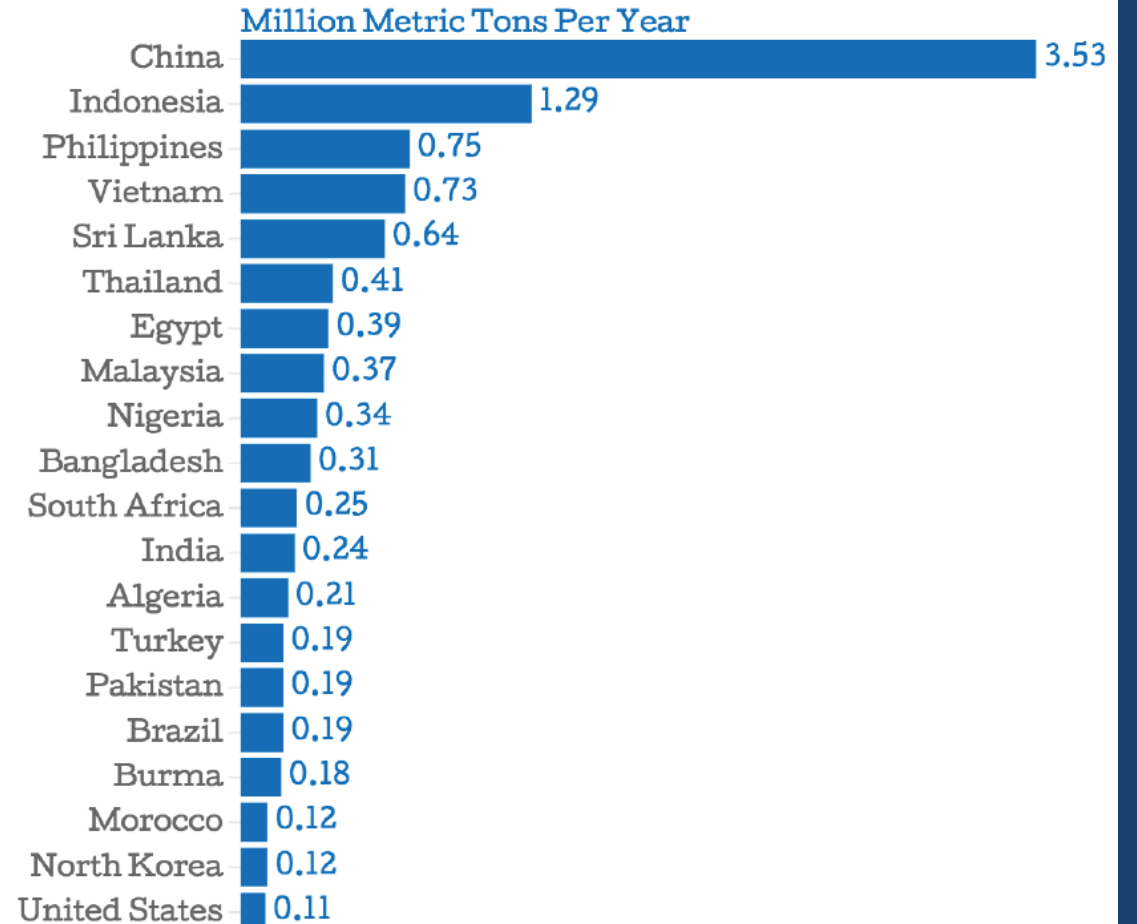
WHAT WE ARE GOING TO TALK ABOUT

- INTRODUCTION OF MARINE POLLUTION
- SOME DATA
- THE CAUSES
- THE CONSEQUENCES
- HOW WE COULD REDUCE IT
- THE EARTH DAY

A BIG RISK

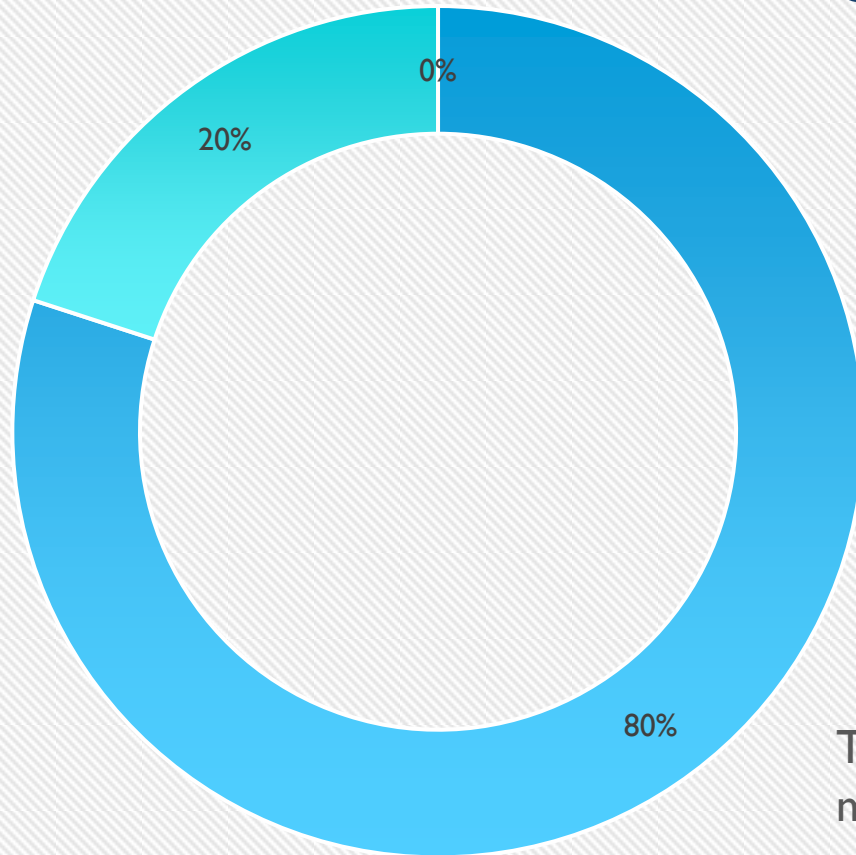
Plastic pollution is one of the most serious environmental emergencies. Each year, an estimated 4.8 to 12.7 million tons of plastic waste end up in our oceans, whose a big part remains on the seabed. To pollute the waters with waste are also fishermen who lose their nets in the open sea or threw the broken ones from boats. The big problem is that whales, dolphins and other marine mammals remain imprisoned in them.

PLASTIC DEBRIS ENTERING WORLD OCEANS (EST.)





Garbage origins



- from land (plastic bottles, bags..)
- from the sea (fishermen's nets..)

The 80% of ocean pollution comes from land. This means that to keep pollution away from the ocean we have to be aware of all our actions.

WHICH THINGS CAUSE MOST SEA POLLUTION ?

The biggest problem of our ocean is the quantity of plastic it contains. This is a big problem because the plastic is one of some materials which never break down. In fact plastic with the time became only smaller, and this causes the biggest problem: animals often confuse it with their food so they eat it, and then we eat those animals.

For these reasons the ocean conservancy has brought together more than 12 million volunteers from 153 countries since beginning its annual International Coastal Cleanup in 1986. This society efforts result in collecting trash from the beaches of 106 different countries. The cleanup has been repeated in 2012, at which over half a million volunteers participated. They cover a distance of almost 18.000 miles. With this cleanup they made a classification of the polluting items:



Cigarettes: by cleaning up the beaches the number of cigarettes or cigarettes filters, are 2,117,931. They through drains and gutters finish into the ocean. Animals can mistake the butts for food and eat them, with all the toxins present in cigarettes.

Containers: the number of this worst pollutant present in the sea is 1,140,222. Most of these are not bio-degradable and them sit at the bottom of sea floors. And also in this case the animals potentially ingest and choke them

Beverage bottles: around 20,000 bottles are bought every second and this implicate a big amount of plastic in the sea. In fact the amount of beverage bottles present in the oceans is 1,065,171. A research by the Ellen MacArthur Foundation predicts that in 2050 the amount of plastic present in the sea will be more than the amount of fish

Plastic bags: over a million of plastic bags were found in the ocean pollution clear-up (1,019,902).The biggest problem is that sea animal are often found tangled up in plastic bags and sometimes they are also being choked to death by those plastic bags

Caps or Lids: the caps of the bottles are small enough to be swallowed by bird or animals.The caps can jam animals airways or maybe sit in their digestive system and causes them lot of problems. 958,893 of them were found in the oceans

Cups, plates, forks, knives, spoons: the number of cutlery and cups found in the sea is 958,893. Instead sharp are not bio-degradable, and since can last in the sea for hundreds of years con easily injury sea animals

Straws or stirrers: fortunately plastic straws are decreasing. However the previous damage remains, in fact the presence of it found in the oceans is 611,048.Also if plastic straws are not useful for our future, we are still left it in the oceans

Glass beverage bottles: the number of this is 521,730. Glass can sink but it never disappear, and also this material can wound sea animals

Beverage cans: 339,875 were found in the ocean.This were found lining on the ocean floors, leading to further pollution. Metal cans are lined with cerated edges which as cutlery and glass can easily injury animals

Paper bags: sometimes people think that paper don't pollute because is easily recyclable, but they forgot that paper posses an higher carbon footprint than plastic bags.And as in plastic bags often, animals are found tangled up in paper bags.The quantity of this found it in the sea is 298,332.

Another International Coastal Cleanup took place the 21st of September 2019.

Basin of the map of this web site the biggest starfish is where this activity is concentrated the most so in:

- U.S.A:
- at Portland, Planteers of Southern Maine Cleanup;
- in New York, New Dorp beach Cleanup;
- in Harrisburg, 2nd Annual City Island & Susquehanna River Cleanup;
- in North Carolina, Town Creek Cleanup;
- in West Palm beach (Florida), Beach Cleanup “ Beach Plastic Pollution”;
- in Jupiter, Blowing Rocks Monthly Shoreline Cleanup;
- in St. Petersburg, Keep St Pete Beautiful; in Orland, KWPB Lakes Killarney, Bell & Wilderness Watershed Cleanup
- The smaller starfish indicated a specific place where this activity is practise:
- In United States, Monthly Beach Clean Ups
- In Peru, Humedales de Villa Maria
- In United Kingdom, International Coastal Cleanup-Avon Beach




CONSEQUENCES ...

The effects of water pollution are varied and depend on what chemicals are dumped and in which location. Many water bodies near urban areas (cities and towns) are highly polluted. This is the result of both garbage dumped by individuals and dangerous chemicals legally or illegally dumped by manufacturing industries, health centers, schools and market places.


The main problem caused by water pollution is that it kills organisms that depend on these water bodies. Dead fish, crabs, birds and sea gulls, dolphins, and many other animals often wind up on beaches, killed by pollutants in their habitat.



Pollution disrupts the natural food chain as well. Pollutants such as lead and cadmium are eaten by tiny animals. Later, these animals are consumed by fish and shellfish, and the food chain continues to be disrupted at all higher levels.



Eventually, humans are affected by this process as well. People can get diseases such as hepatitis by eating seafood that has been poisoned. In many poor nations, there is always outbreak of cholera and diseases as a result of poor drinking water treatment from contaminated waters.



Ecosystems can be severely changed or destroyed by water pollution. Many areas are now being affected by careless human pollution, and this pollution is coming back to hurt humans in many ways.



HOW TO REDUCE SEA POLLUTION

NOWADAYS MANY COMPANIES AND INDUSTRIES ARE CONCERNED ABOUT HOW TO REDUCE THEIR ENVIRONMENTAL IMPACT. THERE ARE MANY SOLUTIONS PROPOSED BY RESEARCHERS TO REDUCE THE POLLUTION OF INDUSTRIES AND LARGE COMPANIES. UNFORTUNATELY, THE MARINE ENVIRONMENT IS ONE OF THE MOST POLLUTED. MANY INDUSTRIES DO NOT CARE TO REDUCE THEIR ENVIRONMENTAL IMPACT AND CONTINUE TO POLLUTE EVERY DAY. EVEN COMMON PEOPLE, IN THEIR DAILY LIVES, CAN HELP TO SOLVE THIS SERIOUS PROBLEM. THE FACT IS THAT THE ACTIONS TO SOLVE THIS ISSUE HAVE TO BE DONE BY THE MAJORITY OF PEOPLE TO BE EFFECTIVE. NOW WE ARE GOING TO SEE SOME SOLUTIONS THAT CAN BE IMPLEMENTED TO REDUCE THIS BIG PROBLEM:

PLASTIC IN OUR OCEANS

In our seas there are many tons of plastic that float on the water, generating real plastic islands. This problem is due to the great use of plastic in people common life. The main solution is to reduce daily plastic consumption. In addition, we all should commit to recycle things, making differentiated waste disposal.





There are many small actions that can be done in daily life, for example:

- 1) Prefer paper wrappers to plastic ones.
- 2) Choose refill products and not those packed in plastic wrappers or containers.
- 3) Eliminate - or reduce - the consumption of disposable plastic cups, plates and cutlery.
- 4) Think about it: do you really need straws?
- 5) When shopping, take reusable fabric bags with you.

CRUDE OIL IN THE SEA

Crude oil in the sea is also a big problem. The sea has become a great cocktail of poisons. Unfortunately, ordinary people cannot do much about it, but big industries should act to reduce oil use, adopting new sustainable methods to produce energy.

Most of the harmful substances in the sea come from oil rigs and ships. One solution would be to adopt renewable energy sources. For example, energy production from wind turbines or hydroelectric and geothermal power plants could reduce the need of sea platforms to withdraw the crude oil and therefore reduce sea pollution





THE EARTH DAY

ON APRIL 22ND THE ENVIRONMENT AND THE PROTECTION OF THE EARTH
ARE CELEBRATED IN THE WHOLE WORLD.

WHAT'S IT ?

This world event was created in 1970 thanks to the idea of John McConnell to celebrate our planet and the preservation of it. In 1970 Nelson Gaylord founded an association to take care of the world, to preserve it.

In fact on April 22, 1970, 20 million American citizens organized a demonstration in defense of our planet.

Nowadays there are more than 75k members of the Earth Day Network that are working to drive positive actions, around the world.

<https://outrider.org/features/earth-day-film/>

Earth Day, April 22, 1970

In the Board Room:

Photographic Exhibit: "Open Space in the Inner City" 1:00 – 5:00 p.m.

Film: "Mission Possible: They Care for a City" At 2:00, 3:00, 4:00 p.m.



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NEW YORK, THURSDAY, APRIL 11, 1970

13 CENTS

PRICES CLIMB 0.4% BUT RATE OF RISE APPEARS TO SLOW

Rise in the Consumer Index
for March Lags Behind
the 4 Previous Months

INCREASE IN STEEL HERE

Medical Care and Mortgage
Interest Are the Major
Elements in Change

By **ARTHUR L. GOLD JR.**
Special to The New York Times

WASHINGTON, April 11.—The consumer price index, which measures the cost of living, rose 0.4 percent in March but there were signs that the pace of inflation was slowing, the Labor Department reported today.

After a measure of the index in March showed a 0.4 percent rise, the Consumer Price Index rose 0.4 percent in March, but that the rate of inflation in February was 0.5 percent and the December rate of the year was 0.4 percent.

What is more, according to the index, March's increase in the index was accounted for

Millions Join Earth Day Observances Across the Nation



Thousands joining Earth Day observances in response to a call for the regeneration of a polluted environment. View is south from 14th Street, with Central Park in background.

CAMBODIAN CRISIS GROWS AS TROOPS SEEM TO FALTER

With North Viet, Progress
to Cherry Star Limited
Response to Red Power

CIVIL AVIATION CURBED

New Decline in State Now
Lying Army Can Hold Out
With the Arms It Has

By **BRIAN KANE**
Special to The New York Times

PHNOM PENH, Cambodia, April 11.—The evacuation of Cambodian refugees is continuing at a rapid pace, but the military situation remains uncertain, according to a report from the State Department today.

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EARTH DAY 2020

This year we have two big problems: the first is the coronavirus pandemic. The other is our climate. But there is a difference: our world was not prepared for the COVID-19 pandemic, but we still have time to prepare for the climate crisis.

On Earth Day 2020, we size all actions, big and small, to change the world, not only for a day but forever. And also if the coronavirus force us to keep distance, will not keep voice down of who wants to save the planet.

In fact over the 24 hours of the Earth Day the digital landscape have been filled with global conversations, calls to action, performances... which gives different voices a platform for the people and the planet.

But the Earth Day goals' remain the same: to mobilize the world to take the most meaningful actions to make a difference.



22 APRIL
EARTH DAY
2020

**THANKS FOR THE
ATTENTION**

