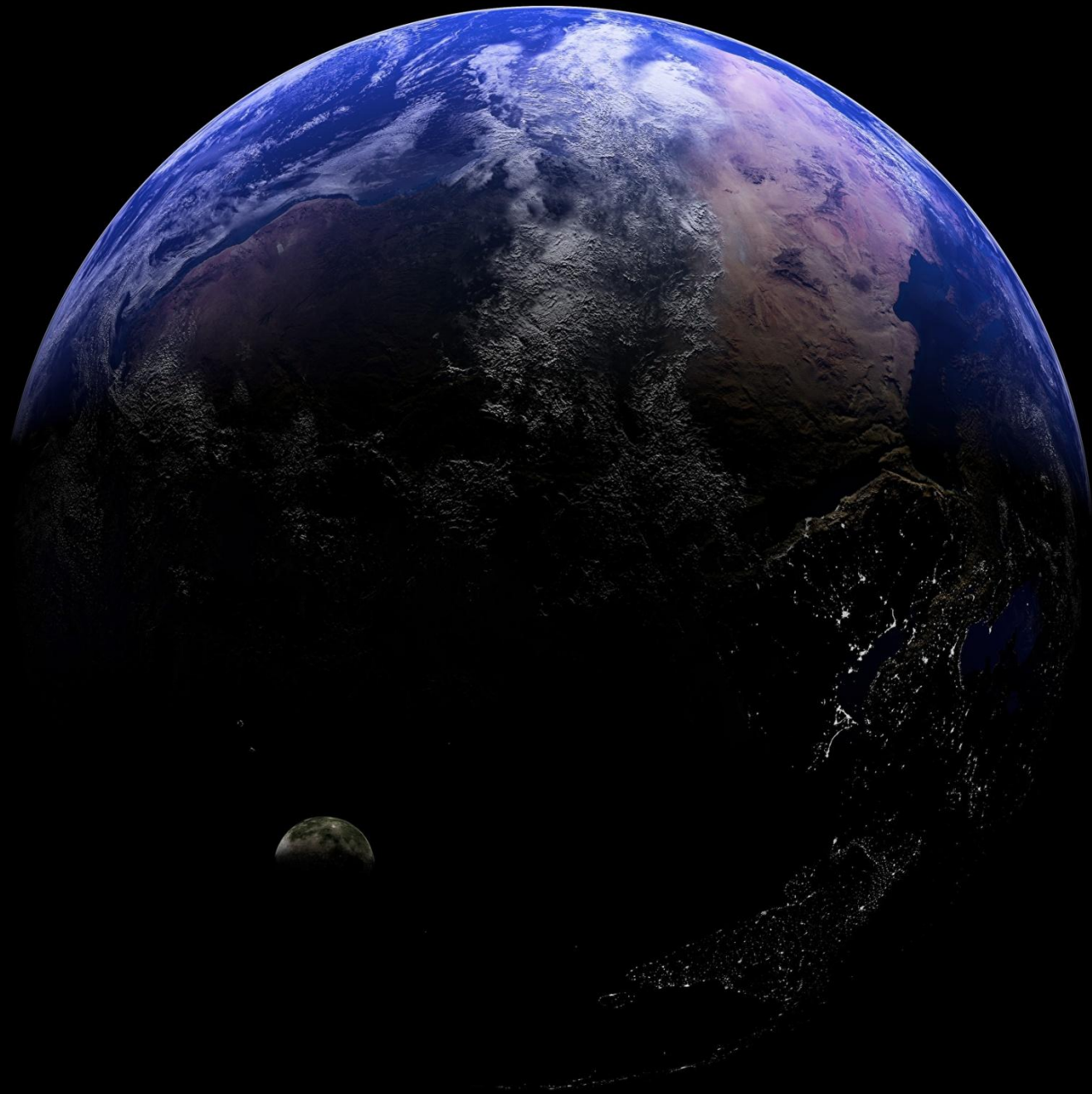




*A rendezvous
with a Planet*





The Humankind' & “achievements”:

- 1 *More money, less species*
- 2 *British male-fishes change its gender*
- 3 *The shore of Kinder Surprises*
- 4 *The GPGP*
- 5 *People eating polymer*



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money, less species

Chinese
fresh-water
dolphins
Because of dams

Last 500 years =
800 species of
animals +
1000 types of
plants have
become extinct

Because of poaching

Western black
rhinos





“The mass destruction of sparrows”



- *Increase of insects*
- *Harvest loss*
- *Illness spreading*
- *Serious hunger*

*Humanity's
DEATH*

The Humankind' & “achievements”:

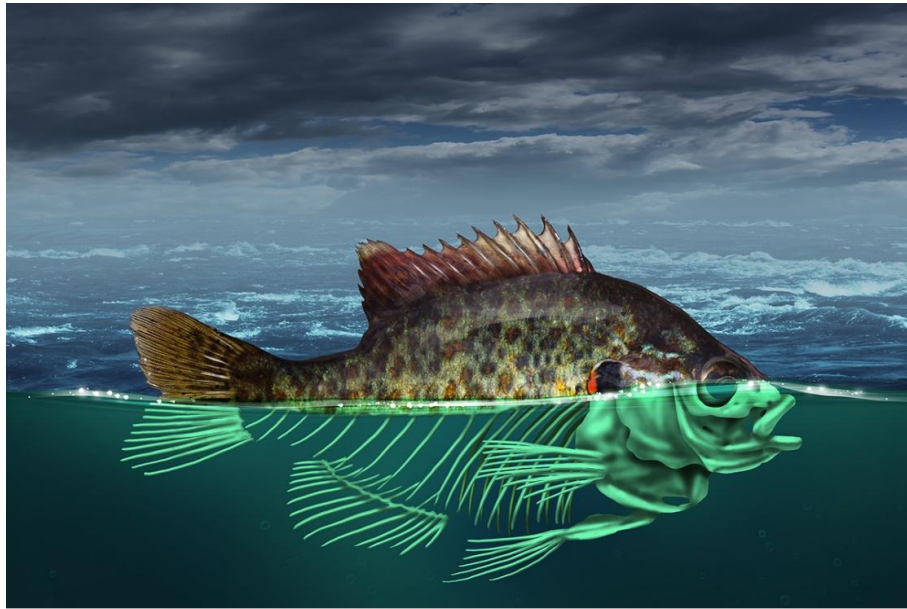
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British male-fishes change its gender

2004 - the Environmental Protection Agency of Great Britain - 500 out of 1500 investigated male-fishes became females.



Main causes:

1. **Hormones** falling with the urine right into the treated sewage and to the World Ocean (WO)
2. **Toxins** that plastic debris can produce under the influence of UVR

E
F
F
C
T
S
T
E

1. Hormonal disbalance
2. Reduction of life expectancy
3. Decrease of reproductive performance

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The shore of Kinder Surprises

*...June, 2017 -
i. Langeoog - a
large ship
crashed into a
seashore as a
result of a storm.
5 containers split
up...*





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The GPGR

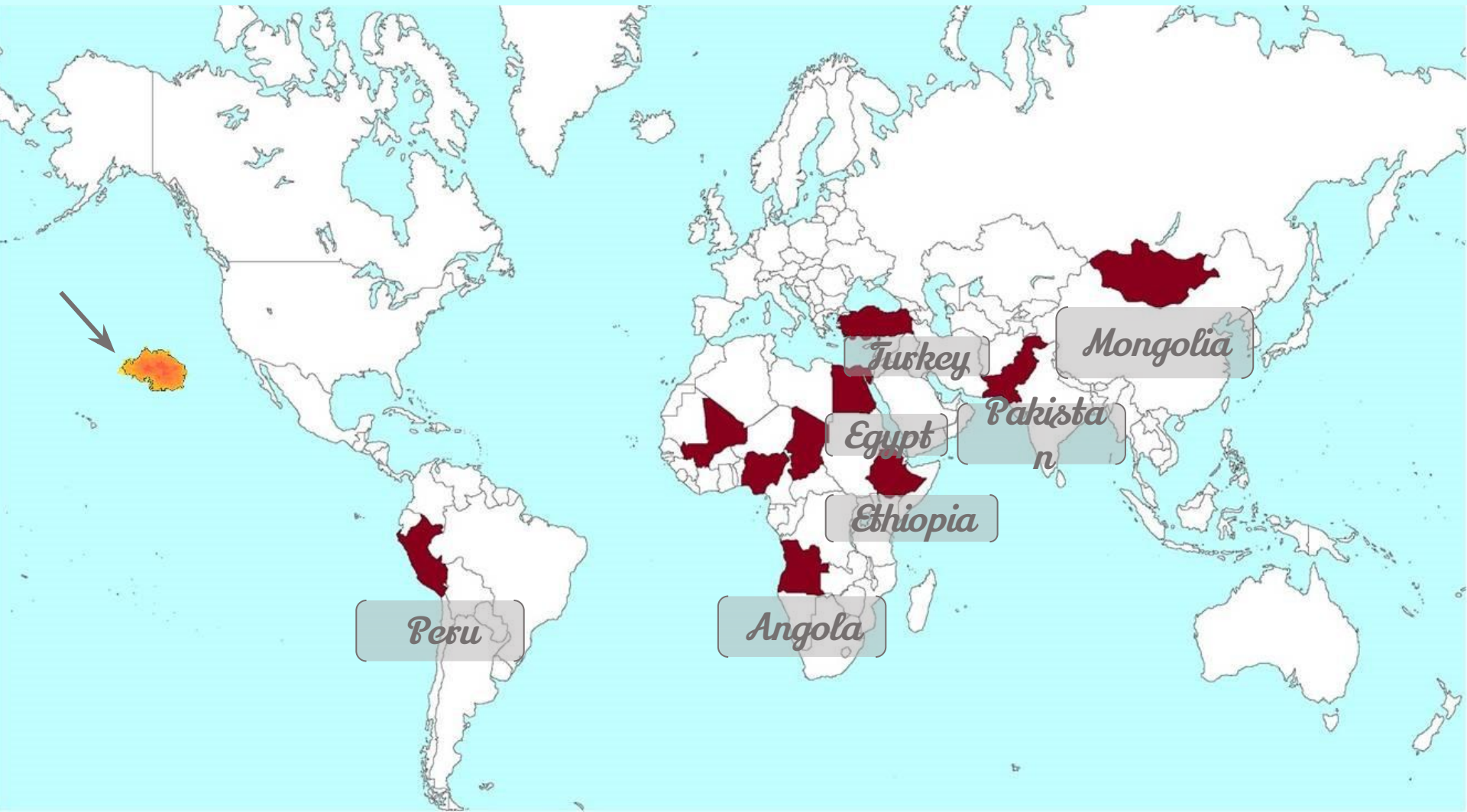
The Great Pacific Garbage Patch
Великое Тихоокеанское
Пятно





The GPP

The occupied area ranges from 750 to 1.5 mlns square kilometers.





The entry sources could be:



Throwing synthetic things into rivers, ponds or seas;



Using cosmetics with plastic ingredients such as scrubs and creams;



Accidents on cargo ships that transport polymeric granules;



Balloons and kites into the sky

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People eating polymer

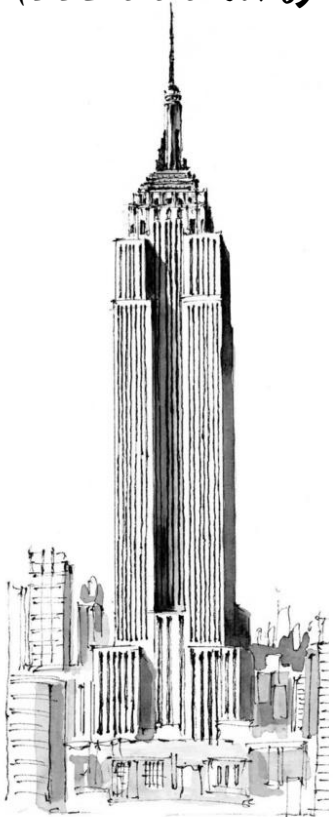
The facts you'd better know:

✓ Those who eat fish and seafood consume **1 kilo** of polymer per year;

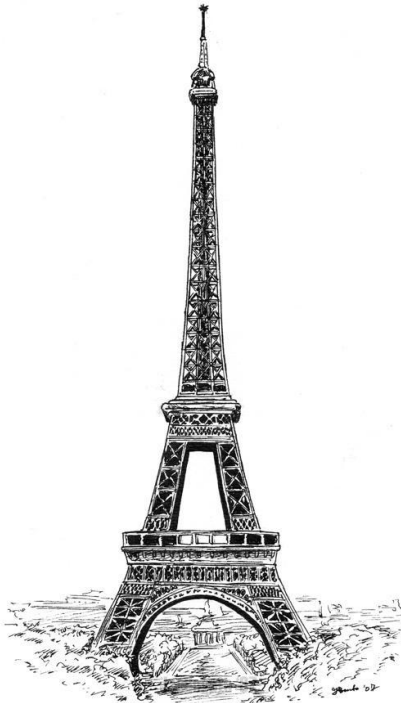
✓ **8.3 billion** tons of plastic;

<How much is that?>

25 thousands
Empire State
Buildings
(331 000 tons)



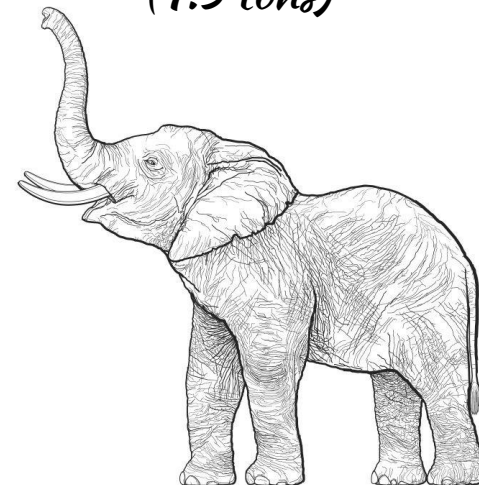
822 thousands
Eiffel towers
(10 100 tons)



80 millions
Blue Whales
(104.5 tons)



1 billion
Elephants
(7.5 tons)



The facts you'd better know:

✓ The numbers of plastic production are going to increase in almost **4 times** till 2050;

✓ The average duration of using one plastic bag is **12 mins**;

✓ Each person throws out **at least 200 kilograms** of trash per year. It means 500 grams each day.



1950

2 mln
tons

2017

8.3 biln
tons

2050

34 biln
tons

The production of plastic



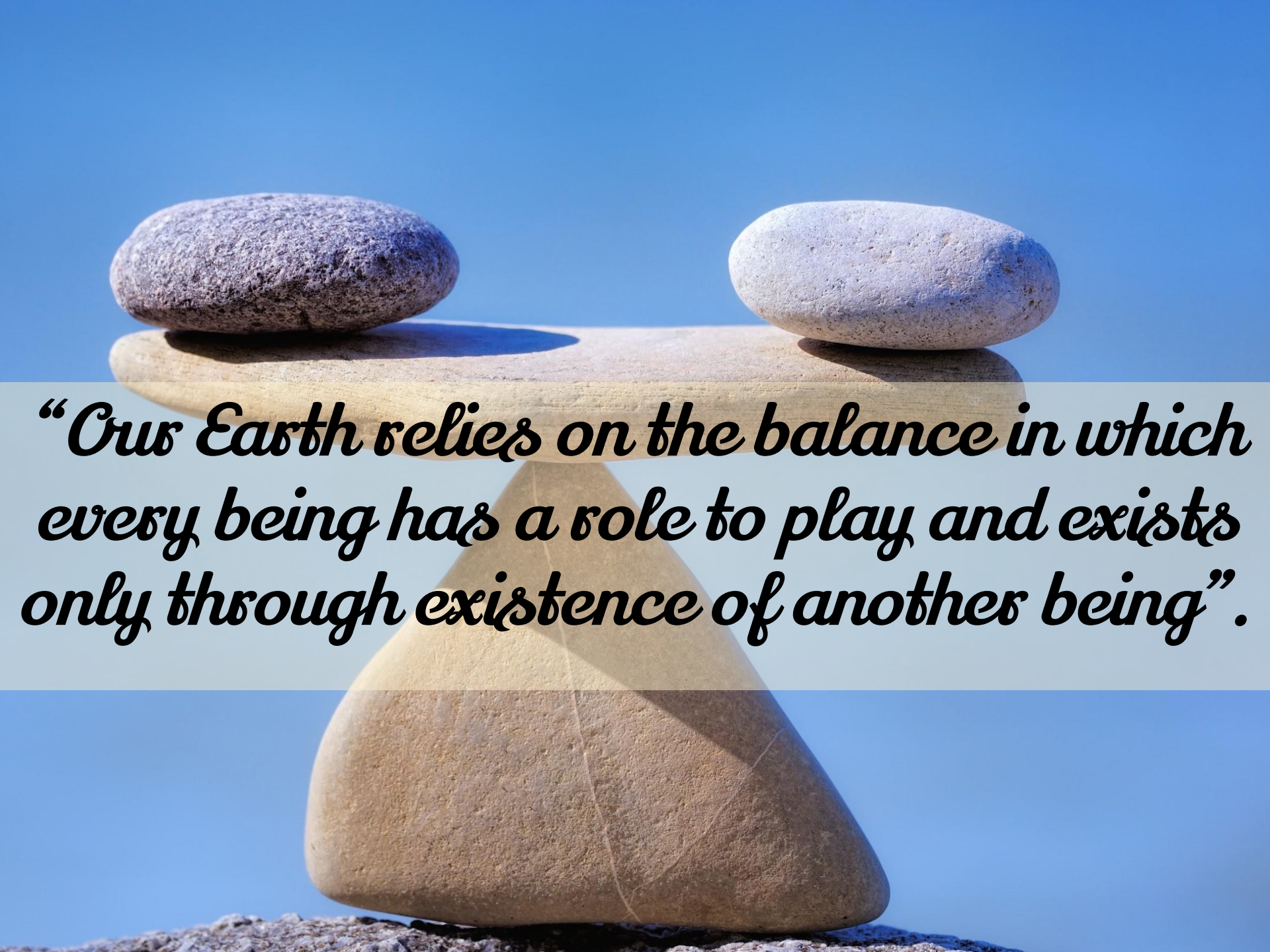
The facts you'd better know:

✓ Under the influence of UVR plastic products produce toxins. The most famous one is BPA (Бисфенол А), that can provoke mutations and sterility.



*So, be careful when you
gulp some cold drinks
from plastic bottles under
the hot sun.*





“Our Earth relies on the balance in which every being has a role to play and exists only through existence of another being”.



PROTECTING OUR PLANET STARTS WITH YOU



**BIKE MORE
DRIVE LESS**



**reduce
REUSE
recycle**

Cut down on what you throw away. Follow the three "R's" to conserve natural resources and landfill space.

choose sustainable



Learn how to make smart seafood choices at www.FishWatch.gov.

Trees provide food and oxygen. They help save energy, clean the air, and help combat climate change.



**PLANT
A TREE**



EDUCATE

When you further your own education, you can help others understand the importance and value of our natural resources.

CONSERVE WATER



The less water you use, the less runoff and wastewater that eventually end up in the ocean.



Buy less plastic and bring a reusable shopping bag.



Don't send chemicals into our waterways.

Choose nontoxic chemicals in the home and office.

Volunteer!

Volunteer for cleanups in your community. You can get involved in protecting your watershed too!



**Long-lasting light bulbs
- ARE A -
BRIGHT IDEA**

Energy efficient light bulbs reduce greenhouse gas emissions. Also flip the light switch off when you leave the room!

**HEALTH
IN REAL
LIFE**



THANK YOU FOR
ATTENTION!

