

## AGENDA

1. What does ecological footprint mean?
2. What are the consequences of our ecological footprint?
3. What about carbon footprint?
4. Global warming vs climate change?
5. Kahoot! quiz game
6. 10 years challenge: #trosttag
7. How can we reduce our impact on the environment?
8. Take action! We can't wait!

How big is your ecological footprint?

LINK: <https://www.footprintcalculator.org/>  
EMAIL: [ecological.footprint2019@gmail.com](mailto:ecological.footprint2019@gmail.com)



**1. What does ecological footprint mean?**

The ecological footprint is a measure of human demand on the Earth's ecosystems. It is the total area of land and water required to produce the resources that we consume and to absorb the waste that we generate.

**Did you know that...**  
By the year 2030, we will need 1.5 planets to support the world's population.



**2. What are the consequences of our ecological footprint?**



**3. What about carbon footprint?**



**4. Global warming vs climate change?**



**5. Kahoot! quiz game**



**6. 10 years challenge: #trosttag**



**7. How can we reduce our impact on the environment?**



**8. Take action! We can't wait!**



# ECOLOGICAL FOOTPRINT

How many planets do we need if everybody lives like you?

# How big is your ecological footprint?

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# 1. What does ecological footprint mean?

- The ecological footprint is a measure of human demand on the Earth's ecosystems
- Is a statistical index that directly relates our demand for natural resources with the Earth's ability to regenerate them

## Did you know that...

in the past 50 years, humans have consumed more resources than in all previous history





## 2. What are the consequences of our ecological footprint?

### PLASTIC CONSUMPTION

Useless plastic packages in supermarkets

Did you know that...  
4 trillion plastic bags are used worldwide annually. Only 1% of plastic bags are recycled?



### FOSSIL FUEL IN PLASTIC PRODUCTION

Did you know that...  
9% of the world's oil production is used to make plastic?



### PLASTIC WASTE

The Great Pacific Garbage Patch  
• Largest ocean garbage in the world  
• It's size equals 15 Portugals  
• Plastic pieces vs sea life = 6:1



### ENDANGERED SEALIFE

Did you know that...  
The average person eats 70,000 microplastic every year?



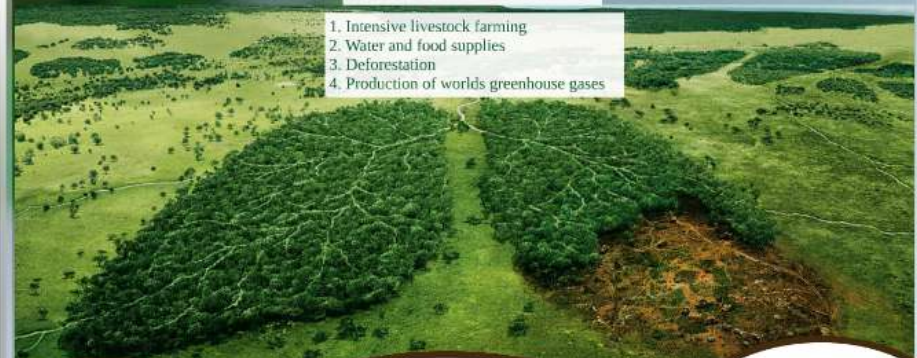
### MEAT CONSUMPTION

1. Intensive livestock farming
2. Water and food supplies
3. Deforestation
4. Production of world's greenhouse gases

Did you know that...  
if every american skipped one meal of chicken per week it would be like taking 500,000 cars off the road?

Did you know that...  
seven football fields of land are bulldozed worldwide every minute to create more space for farm animals?

Did you know that...  
meat production emissions equal 18% of the world's greenhouse gases



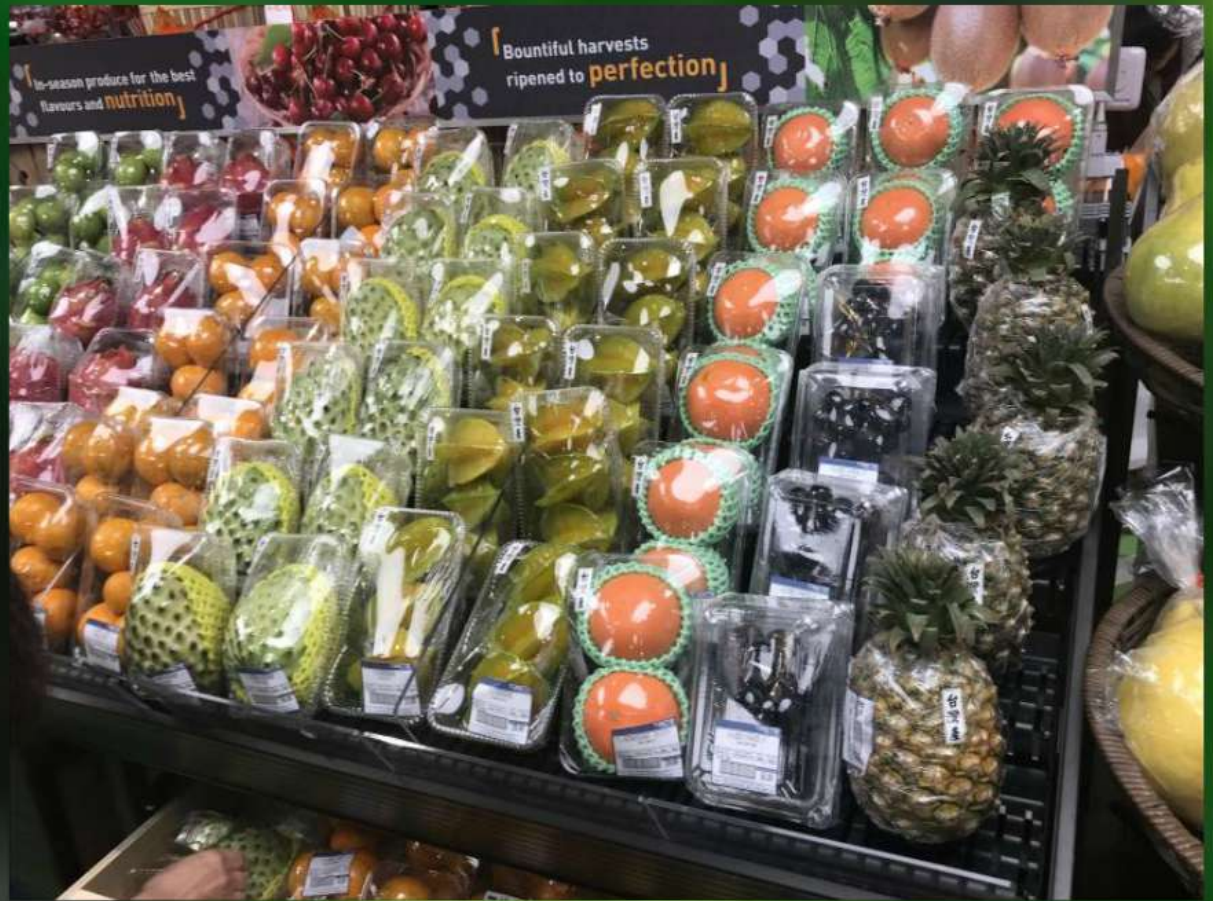


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# FOSSIL FUEL IN PLASTIC PRODUCTION



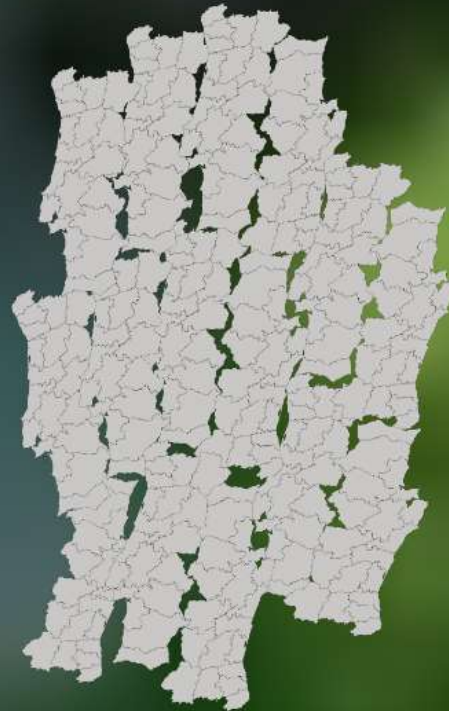
**Did you know that...**  
8% of the world's oil production  
is used to make plastic?



# PLASTIC WASTE

## The Great Pacific Garbage Patch

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## ENDANGERED SEALIFE



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### 3. AND CARBON FOOTPRINT?

- Our carbon footprint represents the amount of greenhouse gases produced by our lifestyle choices
- The carbon Footprint is the rapidly-growing component of humanity's overall Ecological Footprint; it represents 54 % of overall Ecological Footprint

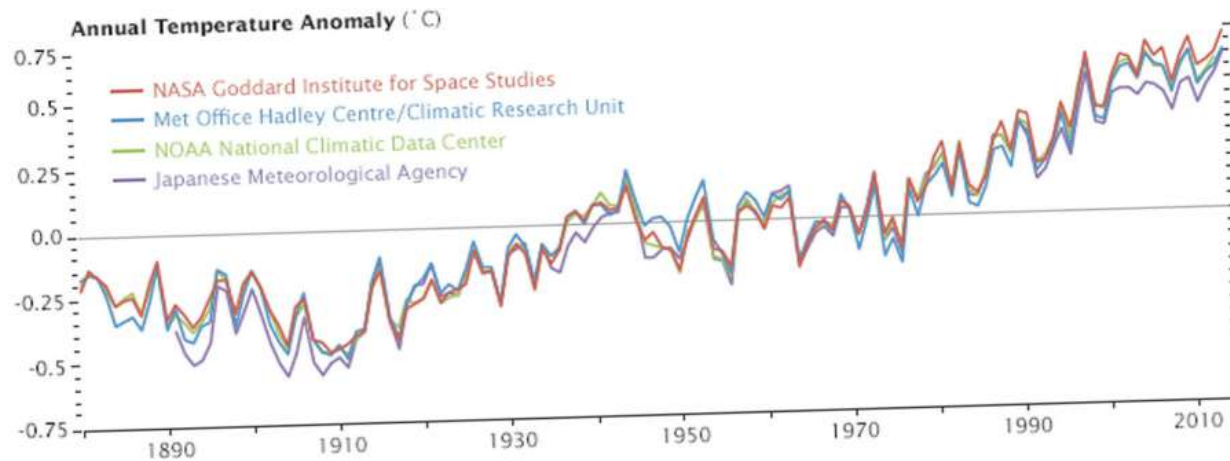
**Did you know that...**  
in 2016 Portugal ran 4 days only on renewable energy?



**Did you know that...**  
breathing the air in Beijing (China) is equal to smoking 21 cigarettes per day?



# Is our planet getting warmer?





## 4. Global warming vs Climate change

- **Global warming** refers to the long-term warming of the planet since the early 20th century, due to the increase in fossil fuel emissions

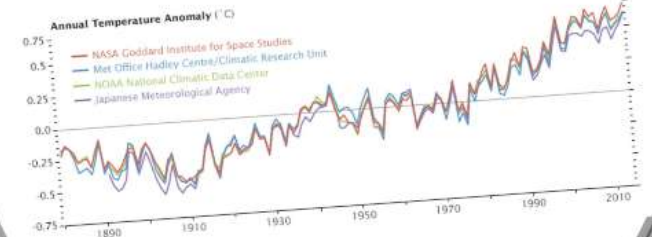
- **Climate change** refers to a broad range of global phenomena created predominantly by human activities

**Did you know that...**

the habitants of Anote's ark had to leave their island due to the rising level of the sea?



**Is our planet getting warmer?**





## 5. Quiz game

<https://kahoot.it/>

# Kahoot!





# 6. Challenges

## #10yearschallenge



### Did you know that...

27.000 trees are cut down each day so we can have toilet paper?



## #trashchallenge

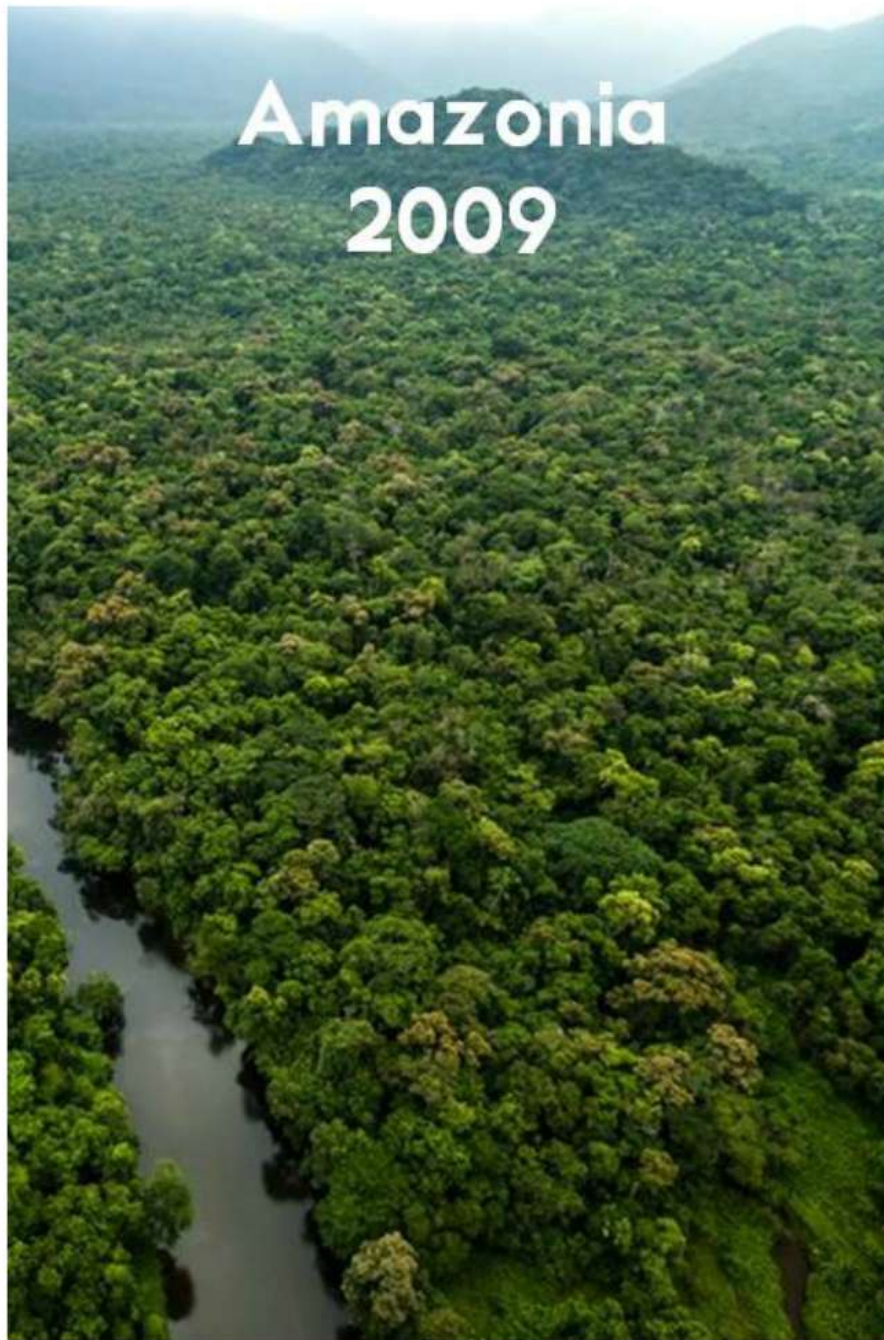


# #10yearschallenge





Amazonia  
2009



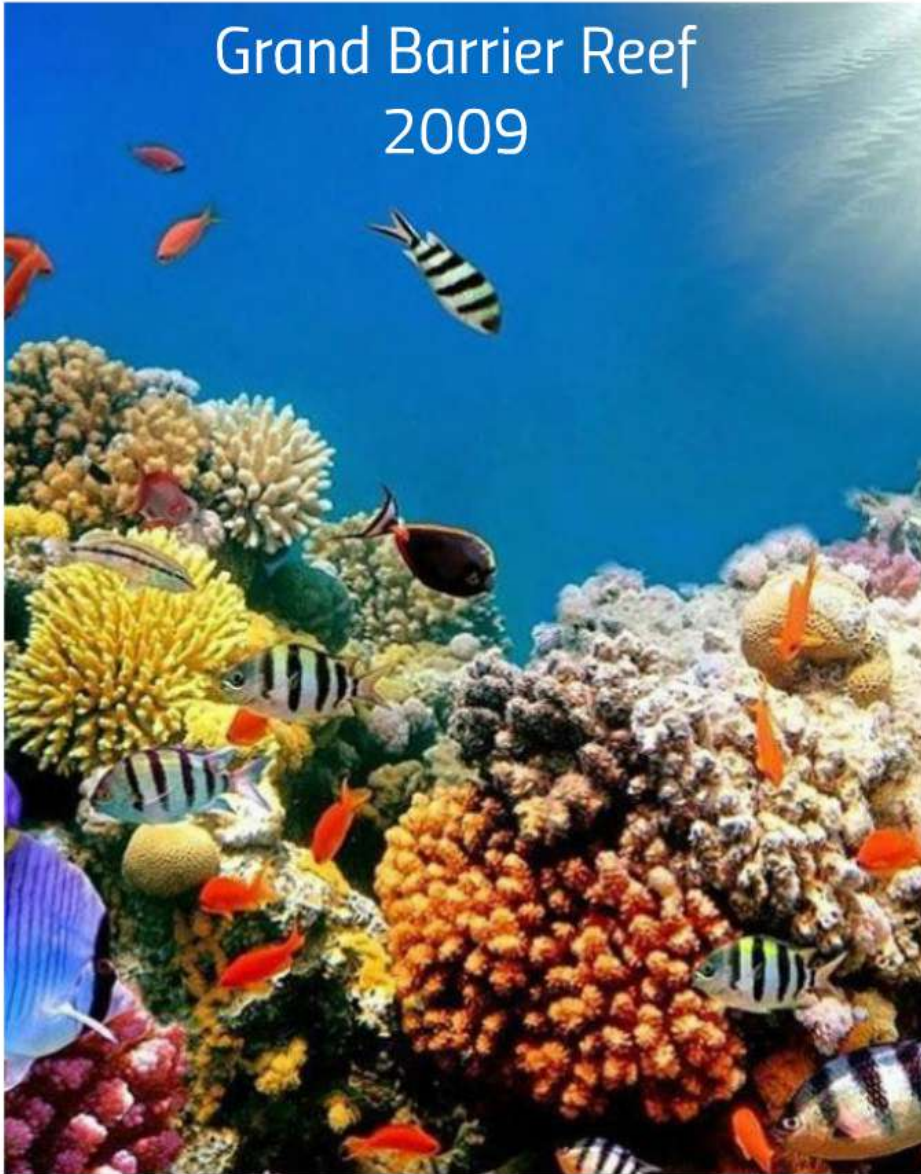
Amazonia  
2019





## We still have time to save it!

Grand Barrier Reef  
2009



Grand Barrier Reef  
2019





# #10YearChallenge



2009



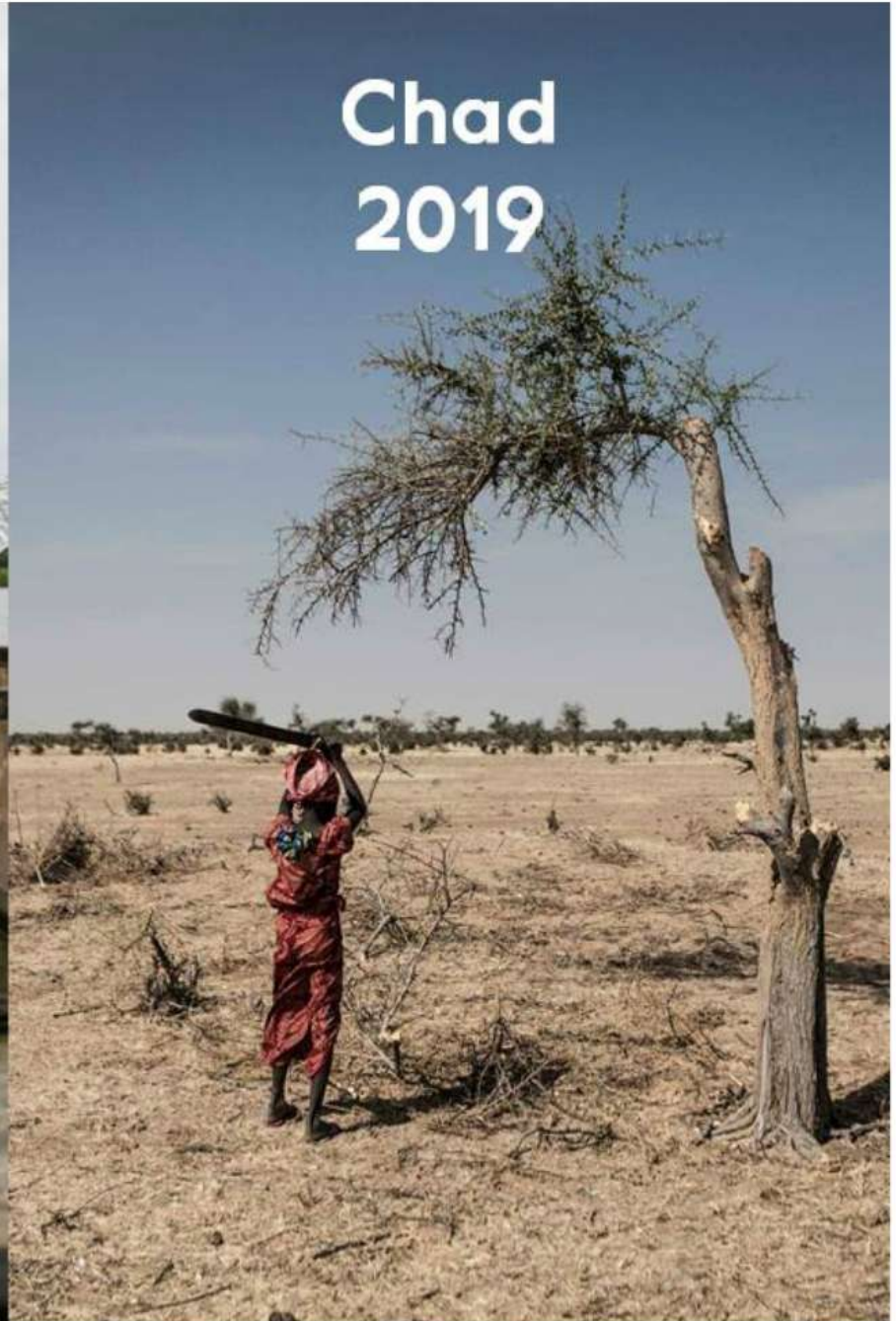
2019



Chad  
2009



Chad  
2019





# #10yearschallenge



# #trashchallenge

## Afroz Shah



Clean 13.000 tons of garbage



## #Trashchallenge

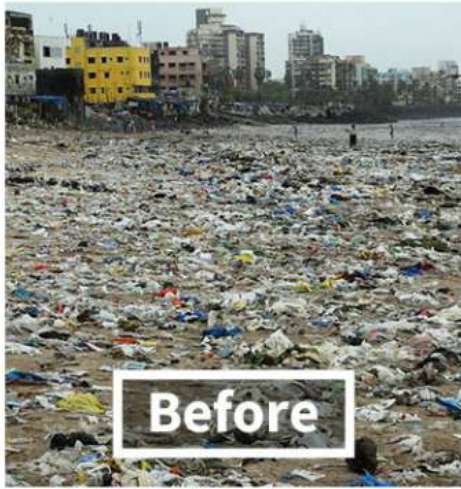


## Plogging in 'Serra de Valongo'





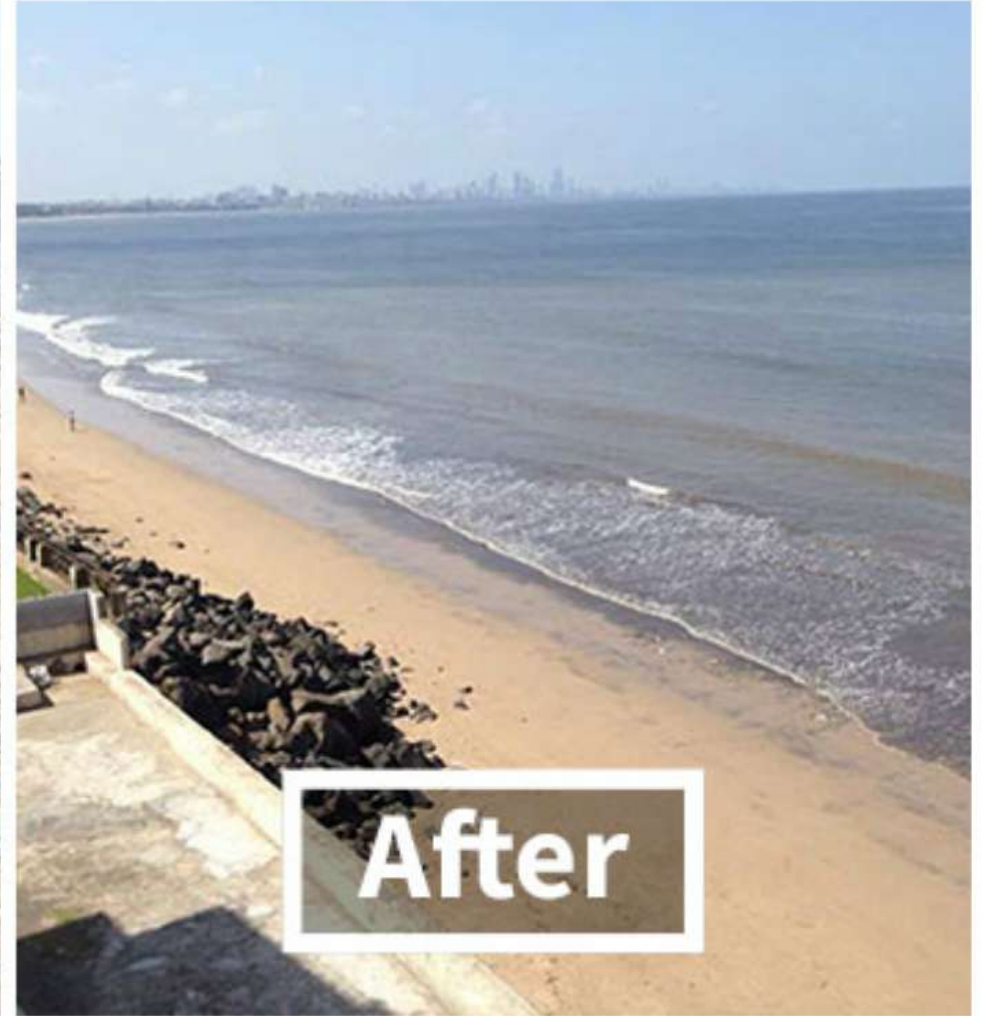
# Afroz Shah



Clean 13.000 tons  
of garbage





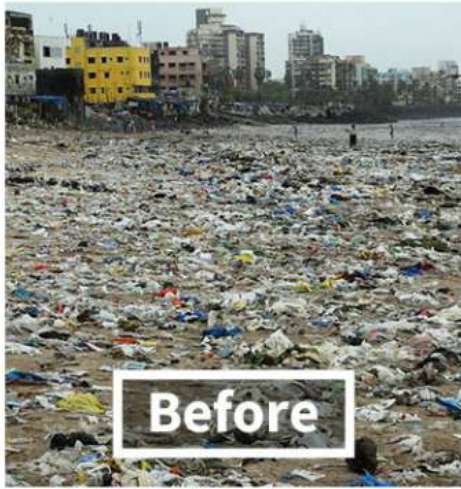








# Afroz Shah



Clean 13.000 tons  
of garbage





# #Trashchallenge





# Plogging in 'Serra de Valongo'





## 7. How can we reduce our impact on the environment?

Reducing our footprint is not enough

- 71% of the total emission is caused by at least 100 companies
- We have to put social pressure on them
- We have to also put pressure on the governments to do the right thing
- Governments have bigger power to regulate these companies
- So be socially and politically active, that's how you can save the earth!





# 8. Take action! We can't wait!

## SOCIAL ACTION

- Individuals have a strong influence, thanks to social pressure by using social media (Facebook, Instagram, Twitter, News, etc...)
- The pressure comes through different actions such as: product boycotts, internet campaigns, protests, statements to the press, negative/positive comments on social media, etc...

## POSITIVE EXAMPLES

Greta Thunberg - A Swedish girl who inspired other people around world to protect against climate crisis



## POSITIVE EXAMPLES

Tyson Foods - The largest chicken producer in the United States stopped using human antibiotics on chickens

Petition Asks Tyson Foods to Stop Feeding Antibiotics to Healthy Chickens



Chris Packer @chrispacker · Feb 27  
I have a question...

## POSITIVE EXAMPLES

Mattel - A toy company that stopped production of Sea World Orkney

Mattel Dumps 'SeaWorld Trainer Barbie' After Animal Rights Backlash

Ask Beatrix d meowering campaign  
Dazid 100



Beatrix d meowering campaign  
Dazid 100

## POSITIVE EXAMPLES

Greenpeace started a campaign against Lego Shell gas toys



You did it! Shell abandons Arctic drilling

Greenpeace



## PARTICIPATE!



YOU  
PARTICIPATE!





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# POSITIVE EXAMPLES

**Tyson Foods** –The largest chicken producer in the United States stopped using human antibiotics on chickens

## Petition Asks Tyson Foods to Stop Feeding Antibiotics to Healthy Chickens



**Chris Hendel** @chrishendel · Mar 21

Metal chicken strips.

Damn.

**#TysonFoods** is recalling approximately 69,093 pounds of frozen, ready-to-eat chicken strip products that may be contaminated w/extraneous materials, specifically pieces of metal, @USDAFoodSafety said today.

[fsis.usda.gov/wps/portal/fsi...](https://fsis.usda.gov/wps/portal/fsi...)

# POSITIVE EXAMPLES

**Mattel** – A toy company, that stopped production of Sea World Barbie

## Mattel Dumps 'SeaWorld Trainer Barbie' After Animal Rights Backlash

### 'Ask SeaWorld' marketing campaign backfires

by Katie Lobosco @KatieLobosco

March 27, 2015: 7:38 PM ET



And when they did finally start answering questions on Twitter they acted like a spambot themselves, sending out the same stock responses to multiple people.

- SeaWorld** @SeaWorld · 35m  
@AkulaEcho Our head veterinarian explains why we give medication to animals in our care: [ask.seaworldcares.com/?p=137](http://ask.seaworldcares.com/?p=137)  
1 2 View conversation
- SeaWorld** @SeaWorld · 36m  
@michylucas29 Our head veterinarian explains why we give medication to animals in our care: [bit.ly/1HYRmGe](http://bit.ly/1HYRmGe)  
View conversation
- SeaWorld** @SeaWorld · 40m  
@lisadeemo We respect all family bonds between our killer whales, especially the mother-calf bond. [bit.ly/1HWxtQ1](http://bit.ly/1HWxtQ1)  
1 View conversation
- SeaWorld** @SeaWorld · 41m  
@\_kirsstencline Kirsten, we respect all family bonds between our killer whales, especially the mother-calf bond. [bit.ly/1HWxtQ1](http://bit.ly/1HWxtQ1)  
View conversation



# POSITIVE EXAMPLES

**Greenpeace** started a campaign against Lego Shell gas toys



STORY • Nature People Energy • #Climate #EnergyRevolution #Oceans #Oil

## You did it! Shell abandons Arctic drilling

by April Glaser • 30 September 2015 | 0 Comments



This week Shell [announced plans](#) to abandon its Arctic oil drilling operations. This is huge.

From activists who [scaled](#) Shell's rig in April or who [stopped](#) one of Shell's ships this July, to the millions of people [all over the world](#) who signed petitions, paraded with polar bears, shared stories and helped organise for real environmental justice, this is YOUR victory. Thank you.

#Climate #Oil

Choose people over

# PARTICIPATE!



# VO.U

Voluntariado  
Universitário



Stefano Mingolla  
Nina Licul



Martina Girgis  
Isabel Relvas

Antonija Samaržija  
Sara López Barreiro

UTOPIA  
500

Kenneth Erhabor  
Tamàs Antal