

# Environmental Problems

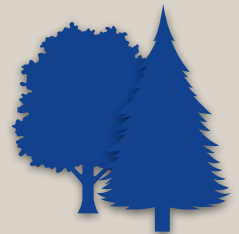
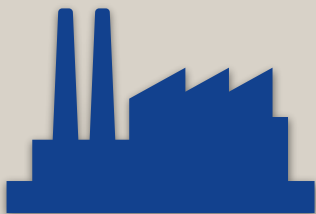
## *Air Quality/ Electric vs. Hydrogen car!*

### **Air Quality**

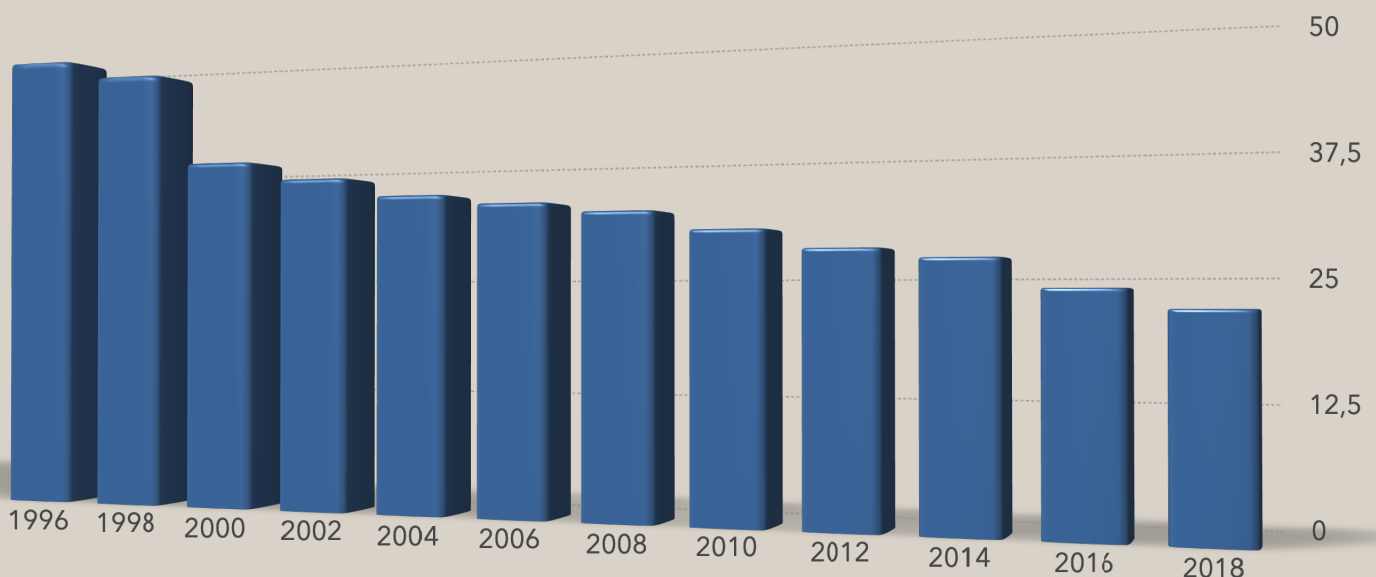
- Germany is on the 25th place, when we talk about air quality! Is this quite enough?
- What can and what is the government doing about



### What has changed in the last 20 Years ?



■ Schwefeldioxid in the Air



# Electric vs. Hydrogen car!

How many are on the Streets in Germany?

309.100 Electric cars are on  
german streets!



500 Hydrogen cars are on  
german streets!



**The biggest Problem is, that most of the electricity isn't Green.**



## Positive Aspects

- There aren't so many emissions in the cities!
- You can recharge cheaply
- The government supported it

- You can fill up quickly like any other car.
- You drive without polluting the environment

## Negative Aspects:

- You must wait during charging for a long Time!
- Electric cars are pretty expensive!

- There are few cars and few hydrogen filling stations!
- Hydrogen cars are pretty expensive!



## ***Climate Change Solutions***

### ***What exactly is climate change?***

Climate change describes a change in the average conditions such as temperature and rainfall in a region over a long period of time.

Scientists have observed Earth's surface is warming, and many of the warmest years on record have happened in the past 20 years.



### ***Solutions against climate change***

- Using clean and renewable energy (green energy)
  - Preventing air pollution
- Waste management & recycling
- Preserving the sea and ocean



### ***Organisations already have an impact on climate change***

There are organisations which encourage the government to act faster and more efficiently. These organisations also host events where large groups of people are formed to protest and clean up the environment.

They also try to spread awareness about the Global Warming using Social media Services or they go on the street and protest like previously mentioned.





# Food waste

- eat what you can  
and not order  
**MORE!**



- 12.000.000 tons = 20.000.000.000€

- it starts to stink

- unfair for other people

- animals eat the food

- plastik bags

- different states of how long it takes to rot:

1. deverage can - 80 to 200 years

2. chewing gum - 5 years

3. orange peel - 2 years

- 13% of the air pollution comes from  
the production of food.

## The dark side of the Elbe

Hey guys,

We are back. We traveled from Berlin to the town Hilden. There we found the big Elbe but did you know <sup>about</sup> the environmental problems?

The Elbe is a popular place for many people because of the beautiful nature. There live special animals like Dune Sandwinkle beetles and special plants like centaury. This place is also an important breeding area for birds. To protect them there are rules for example you aren't allowed to barbecue because of the trash. But at the moment many people break the rules and the consequence is that a lot of animals eat the trash and die. We thought about it how we can help the Elbe and the animals. At first there should be more bins at the sea so people can throw the trash inside and not to the ground. Then there should be someone who controls the sea every day and if there are people who break the rules they will get a fine.

This were our ideas. Do you have any others ideas then write it into the comments. Have a great day

BRUNNEN

xoxo  
Laura & Marie



Trash on the streets!



## Tips:

- Take a shopping bag with you when you go shopping because you avoid plastic bags.
- Drink tap water at home. This saves lots of energy for the production of bottled water, it also protects your wallet.
- rubbish should be recycled

## To separate trash properly

- Black dustbin: General waste
- Blue dustbin: Waste paper
- Green dustbin: Waste glass
- Brown dustbin: Biowaste
- Yellow dustbin: Plastic



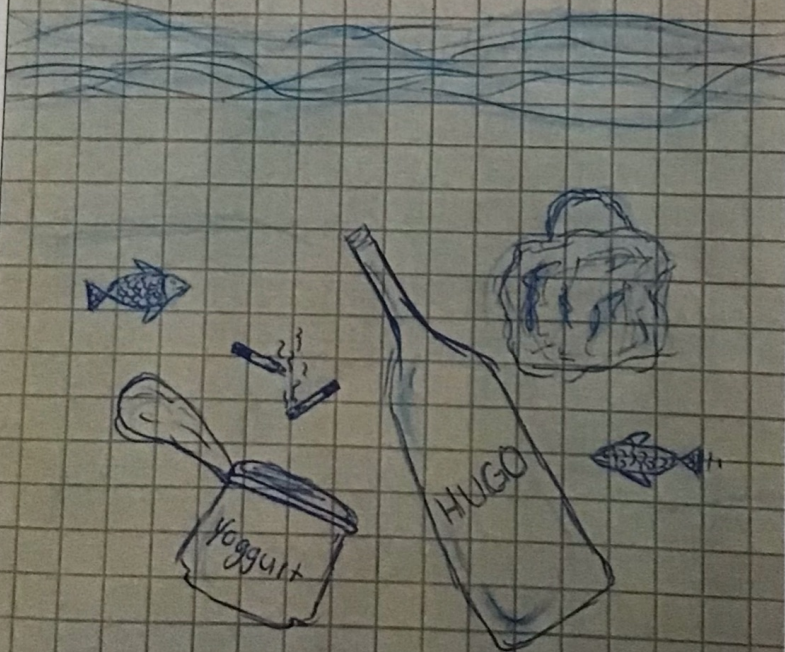
## Our opinion:

We don't like the fact that there is so much trash on the streets, side walls or in the bushes and that's only because people don't feel like going to the Rubbish bin.

Look at our flyer, there are tips on how best to avoid trash, because we want as little trash as possible on our streets.

# water- pollution

Hilden • Elbsee





The Elbsee is located in the north of the city of Hilden in a nature reserve. It was created by mining gravel and sand. The lake area is about 89 hectares and is 22 meters at the deepest point.

It is a beautiful recreational area.

But unfortunately, more and more garbage swims in the Elbsee from year to year.

Garbage is simply thrown into the water and nobody takes care of the cleaning.

People are too lazy to take their garbage back and throw it away and instead leave it in the sand or in the sea.

The consequences are:

- animals eat the garbage, get sick and eventually die.
- The lake looks no longer clean and nobody wants to swim in it.
- The special plants and algae diversity die.
- The water can no longer purify itself naturally

we are supposed to collect money to set up rubbish bins on the shore of the Elbsee.

The agreement with the city because of the garbage cans are still running.

It would be great if you could help us with our garbage collection campaigns.

-It is every first Saturday of the month from 09 to 11 o'clock.

By these actions we hope for your support. (:

Donation account: Waterpollution-elbsee-hilden

IBAN: xxxxxxxxxxxxxx



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If you are interested, you'll find more information on:

[www.Waterpollution-Hilden-Elbsee.com](http://www.Waterpollution-Hilden-Elbsee.com)



# Everything must change

## Problems:

- environmental problem
- bags in the ocean deadly for animals
  - > Hang in the bags and die
- they can't be recycled well
- they need a long time for reducing
- animals swallow it and then we eat the animals, this is how the plastic get into our bodies



## solutions

- paper&material bags
- no plastic bags anymore

### For example:

- soap as a piece without package
- when you buy vegetables you don't have to take plastic bags
- for online shopping clothes in packets and not in plastic bags



# Water pollution

Julius, Luca und Fabio

# Content

- The Main Problem
- Agriculture
- Some Statistics
- Eventually solutions



# Main problem

- We have less trash
- We have more chemical pollution
- The chemical pollution comes from our agriculture
- Not the rivers etc. are polluted, the ground water is polluted



# Agriculture

- Pollution with fertilizer
- Nitrate seep through the ground and into the ground water
- The nitrate comes from the fertilizer
- Also animals are a great problem



# Statistics

- Only 210 ground water spots are without nitrate
- That's are 29 per cent, all spots are 723
- 14 per cent of the spots are over 50 milligram nitrate what is too high



# Solutions

- Eat less meat or show how your meat or your plants are produced
- A nitrate tax to help the environment to improve