



# How the clothing industry affects our world

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# Contents of our slides



<b><u>How many slides the info should have</u></b>	<b><u>Name of slides</u></b>
<b><u>Between 4 and 5 slides total</u></b>	What happens to clothes we throw out, don't donate or repurpose? Ecological impacts, altered our world, earth spheres- gayle
<b><u>2-3 slides max</u></b>	how scientists/environmental consultants keep track of inputs, outputs, and changes to complex systems. - ava
<b><u>1 slide</u></b>	Pictures of landfills- gayle
<b><u>2 slides</u></b>	Introduction to our business and what it does, defines sustainability -fernanda
<b><u>1 slide</u></b>	Tik toks that does what our business does- gayle
<b><u>1 slide- 2nd to last slide</u></b>	Thank you for listening slide
<b><u>4 max- Last slide</u></b>	sources/ credit -everyone



# What happens to clothes we throw out, don't donate or repurpose?



The EPA reports that Americans generate **16 million tons of textile waste a year**, equaling just over six percent of total municipal waste (for context, plastics make up 13 percent of our waste stream). About 700,000 tons of used clothing gets sent overseas and 2.5 million tons of clothing are recycled. But over three million tons are incinerated, and a staggering 10 million tons get sent to landfills. Some textiles dissolve quickly overseas while others take hundreds of years.



# Ecological impacts and how the clothing industry interacts with earth's spheres

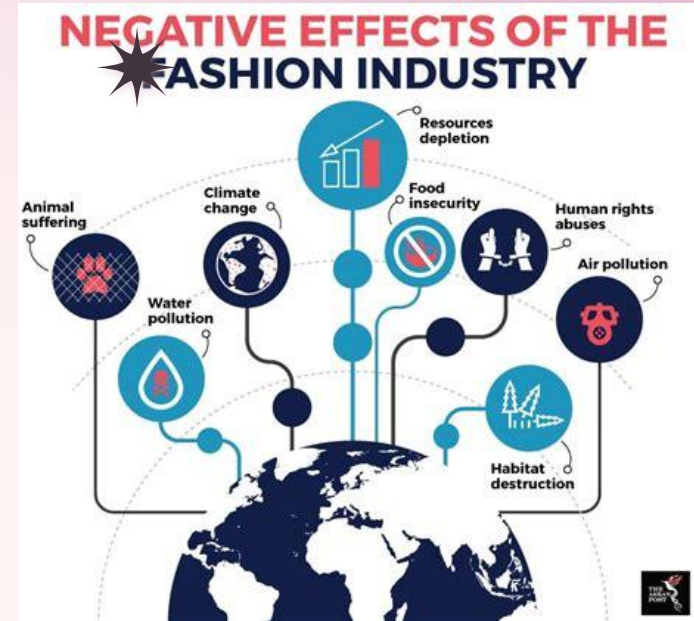
The clothing industry makes up 10% of us human's carbon emissions. Also, it pollutes streams and rivers and dries up other water sources. We already have water scarcity in the world, I think if we reduce the clothing that is produce there would be more water sources where water scarcity is high. When you wash clothes in the washing machine, the water after it drains sends microplastics into the ocean.

Chemicals from decomposing clothes go into the air and in water, surface and groundwater. Clothes are often made with cotton that is grown with chemicals that cause eutrophication.

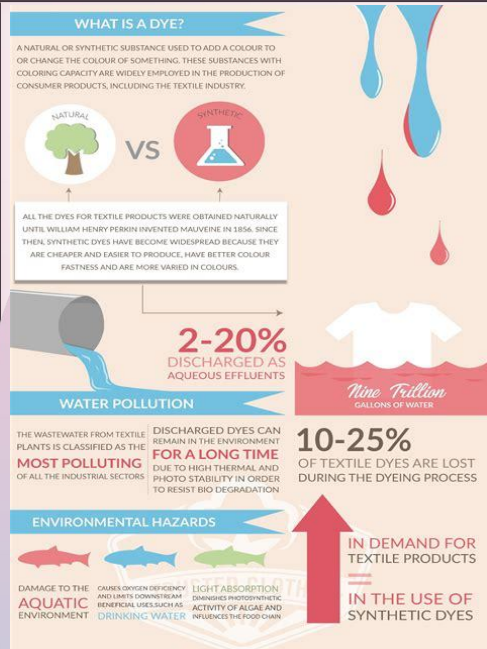


## Scientists and Environmental consultants role

Environmental consultants and scientists track changes in Earth systems by conducting research, collecting data, and analyzing factors like resource usage, waste generation, and emissions. They also study the production processes, supply chains, and manufacturing disposal and recycling practices. This helps identify areas where improvements can be made to minimize environmental impact and promote sustainability.



# Impacts



## Water scarcity and pollution

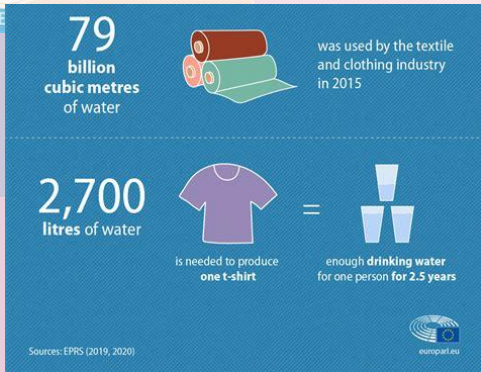
- excessive use of water in textile production
- use/improper disposal of harmful chemicals in dyeing and finishing processes(soil degradation)
- insuffisant irrigation systems

## greenhouse gas emissions

- use of fossil fuels in factories/manufacturing process
- use of fossil fuels for shipping/transportation
- overproduction

## pollution and waste accumulation

- disposal of clothing waste in landfills



# Pictures of landfills with clothes



# Our goal

Our business, Flip it , will operate to promote change by implementing sustainable alternatives in to producing clothing by:

- Utilizing renewable energy sources, such as solar or wind power to manufacture our items.
- using local sources and production to minimize transportation emissions.
- collaboration with upcycling designers and recycling facilities
- take back programs
- recycling and upcycling, to reduce the need for new production
- use of natural and organic fibers that require less energy processing





# Tik toks that do what we do


<https://www.youtube.com/watch?v=BqhTWfz6Q4M>





# *Thank You For Listening <3*

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# Resources

## Slide 3

<https://www.greenamerica.org/unraveling-fashion-industry/what-really-happens-unwanted-clothes#:~:text=On%20average%2C%20700%2C000%20tons%20of,tons%20get%20sent%20to%20landfills.>

<https://www.bu.edu/sph/news/articles/2022/the-aftermath-of-fast-fashion-how-discarded-clothes-impact-public-health-and-the-environment/#:~:text=Once%20textiles%20are%20discarded%2C%2066.others%20over%20hundreds%20of%200years.>

## Slide 4

[https://en.wikipedia.org/wiki/Environmental\\_impact\\_of\\_fashion#:~:text=Chemicals%20from%20decomposing%20clothing%20can,its%20various%20supply%20chain%20processes.](https://en.wikipedia.org/wiki/Environmental_impact_of_fashion#:~:text=Chemicals%20from%20decomposing%20clothing%20can,its%20various%20supply%20chain%20processes.)

<https://www.genevaenvironmentnetwork.org/resources/updates/sustainable-fashion/>

## Slides 5 & 6

<https://www.weforum.org/agenda/2020/01/fashion-industry-carbon-unsustainable-environment-pollution/>  
[infographic](#)

