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FILE	PLASTIC_POLLUTION.PPTX (984.29K)
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Plastic Pollution Is Becoming Recognized As A Major Problem For Our Environment and Living Organisms.
Identify and Evaluate Two Methods of Addressing Plastic Pollution At Either National or Local Government Level.

Student's Name

Institutional Affiliations

Introduction

- The main objective of this presentation is to focus on how plastic pollution has become a problem in the environment and living organisms
- The presentation will also concentrate on the two methods helpful in addressing plastic solution at the national government level



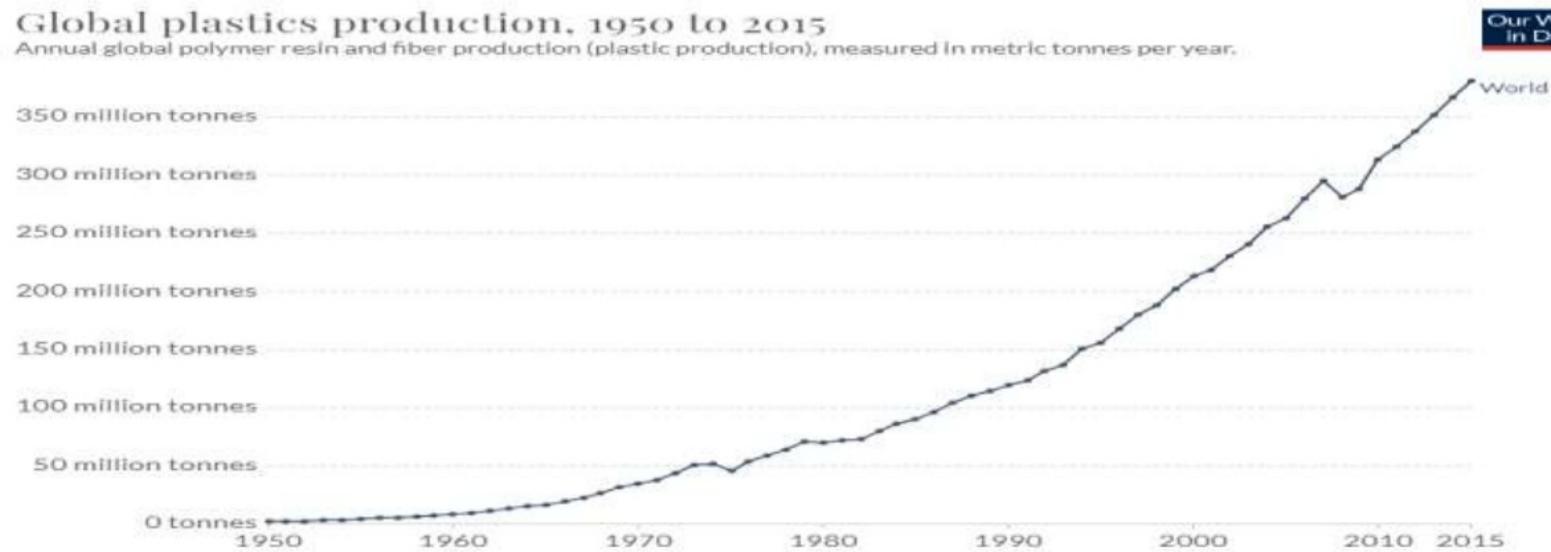
Overview of Plastic Pollution

- The global plastic industry was started with the production of the first synthetic plastic in 1907
- Plastic materials are essential in reducing food waste and maintaining food quality
- However, the management of plastic waste determines plastic pollution (Ritchie & Roser, 2018)
- The environment and oceans have experienced significant impact due to plastic pollution

Facts and Information

- The first production of plastic in 1907; mass production started in the 1950s
- In 1950 plastic production was 2 million annually, but in 2015, it augmented to 381 million tonnes

Source: Geyer et al. (2017)



Facts and Information Cont...

➤ Source: Jambeck et al. (2015)

The pathway by which plastic enters the world's oceans

Estimates of global plastics entering the oceans from land-based sources in 2010 based on the pathway from primary production through to marine plastic inputs.

Our World
in Data

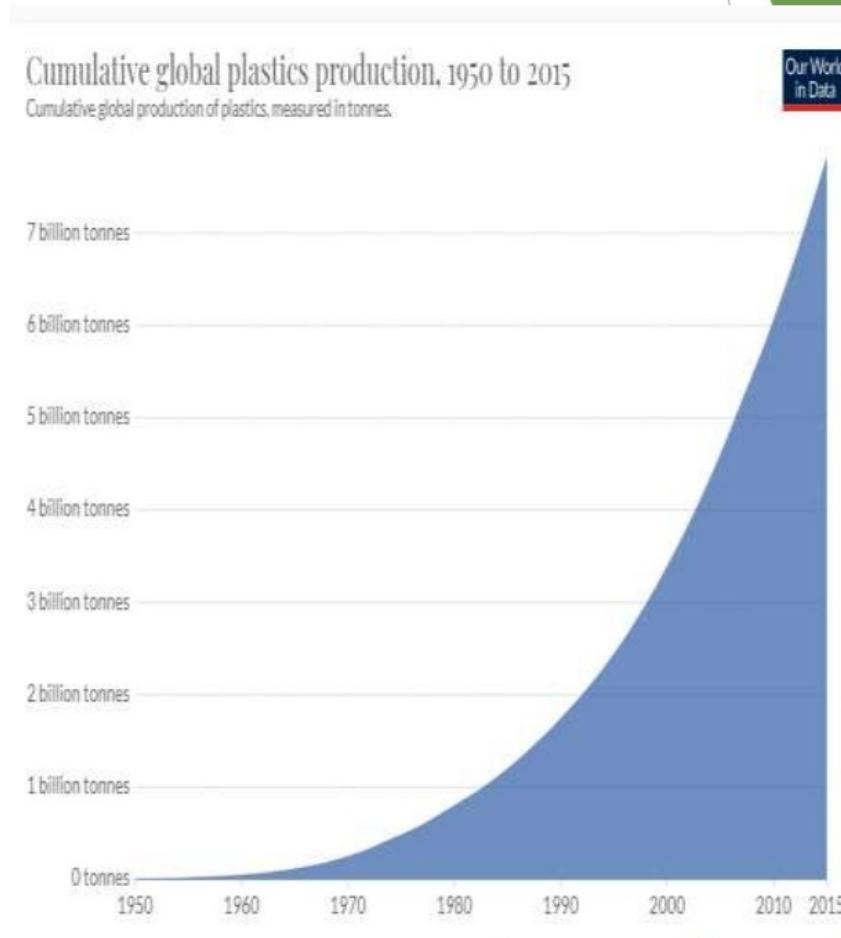
Global primary plastic production:
270 million tonnes per year



Why Is Plastic A Problem

- More plastic is generated, and less is recycled
- Plastic and its byproducts are spoiling the land and water bodies
- Some plastic materials are considered toxic, especially the PVC
- Others encompass Bisphenol-A which interferes with hormones

Source: Geyer et al. (2017)



National Government Methods of Addressing Plastic Pollution

- Decrease plastic production and usage
- Policy reforms and legislations

Decrease Plastic Production and Usage

- Encourage water refill stations (Filatov et al., 2018)
- Create awareness to the public
- Recognize individuals that cut plastic water in their practices
- Involve companies in solving the problem

Policy Reforms and Legislation Enforcement

- Implementation of plastic bans laws
- Extended producer responsibility laws (Xanthos & Walker, 2017)
- Container deposit laws
- Commissions and councils

Bans Regulations

- Comprehensive single-use plastic bans (da Costa et al., 2020)
- Plastic bag bans or imposes a fee
- Straws
- Polystyrene

Conclusion

- Plastic pollution is the release of plastic material into the environment, and they cause adverse effects to the living organisms
- The first plastic was produced in 1907, but mass production started in 1950
- The national government can use policy reforms and decrease in plastic production to address the plastic pollution problem
- Policy reforms and legislations include plastic bags, container deposit laws and commission and councils
- Reduce plastic production and usage will include creating awareness, encourage water refill stations and recognize individuals that have eliminated plastic use in their practices

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