

23 – 27 MAY 2022

SANO TEAM 5



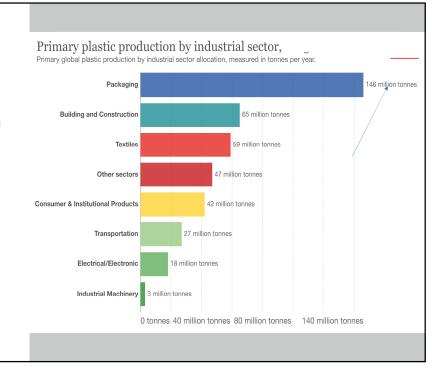
THE SECOND INTERNATIONAL CONFERENCE OF THE AFRICAN MARINE WASTE NETWORK TOWARDS ZERO PLASTICS TO THE SEAS OF AFRICA

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### Introduction

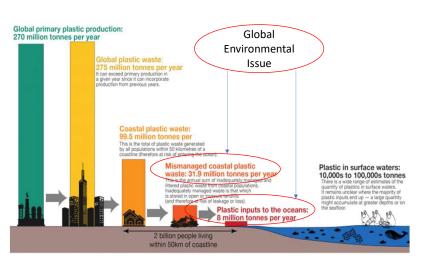
- Packaging accounts for 42% of plastic pollution
- Building and construction was the second largest sector utilizing 19% of the total



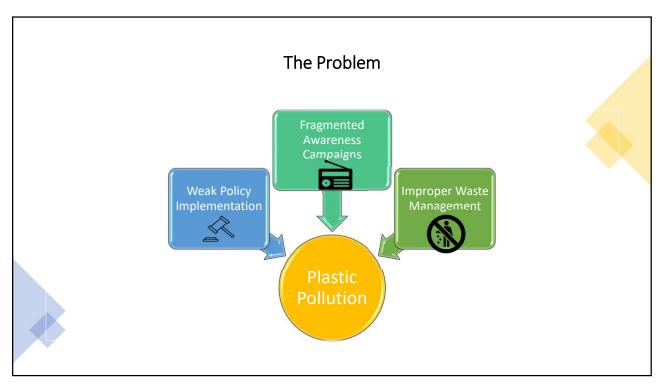
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#### Introduction

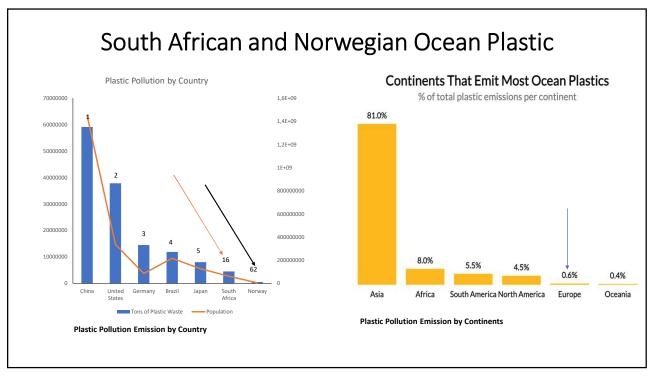
- Around 32 million tons/year of coastal plastic waste are due to mismanagement
- Of the above, 8 million tons/year find their way to the sea
- About 90% of the ocean plastic originates from the land attributed to human activities



Pathway through which plastic enters the world's ocean



South African and Norway Ocean Plastic Scenario	
South African Perspective	Norwegian Perspective
<ul> <li>SA generate an average of 2.4     million tons of plastic     waste every year</li> </ul>	<ul> <li>It's estimated that Norway generated approximately 540,000 tons of plastic waste annually</li> </ul>
• Sadly <b>240,000 tons</b> of discarded plastic end up in the ocean	<ul> <li>About 380 tons enters the ocean annually.</li> </ul>
• In South Africa, <b>only 16%</b> of plastic is recycled.	• 80% of plastic is collected for recycling



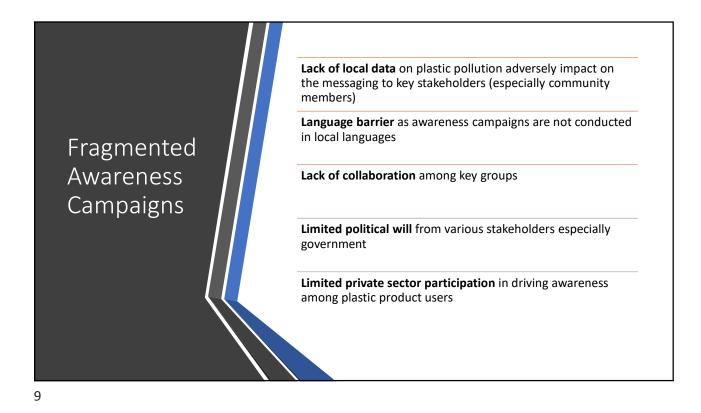
## SA Policy Framework

Whilst SA has one of the best plastic pollution management policy framework, the **actual implementation remains problematic** 

National regulations against the use of plastic materials have been implemented over the years

**Moral Hazard** conundrum – retailers have only shifted from selling certain types to other types of plastic products

Despite this, plastic production is set to double up to **R100 trillion** by 2040 resulting in about <u>600</u> million tons of plastic floating in the oceans.



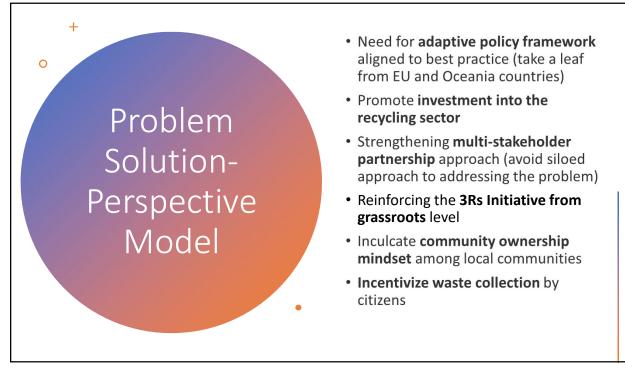
### Improper Waste Management

**Lack of waste collection facilities** in strategic points

**Limited recycling efforts** and poorly serviced landfill sites

**Poor waste collection service delivery** among local municipalities – only GP, NC and WC collect around **55% of waste** others collect way less



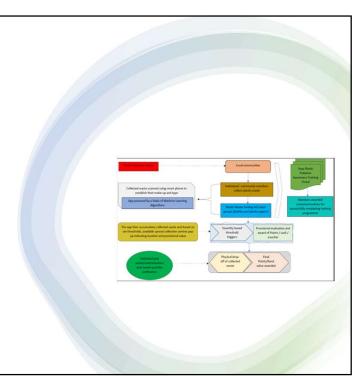






# Proposed Artificial Intelligence App

- Provide incentive for locals to collect and get cash from waste – provide waste auction platform
- Provide an awareness training portal
- Provide real time data repository to inform collaborative awareness campaigns and policy advocacy



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