

1

Introduction

- 1800's – natural compounds
- Useful as result of its strength and durability
- Global production

2



Introduction

- “Make our lives easier”
- Global environmental problem
- Single use plastics 🤔
- Developing countries like SA- mismanaged waste.
- Effects on biota?
- Climate change
- Reduce and reuse!




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Research aim



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Methodology



1. Questioning Companies
2. FnB Products
3. Ethics
4. Questionnaire of 18 questions




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5. Online surveys - Google Forms
6. Calls went out
7. Clearance Needed







6




8. Invitations sent out




9. Questionable Response



10. 12.5% return rate



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Results

Expected Outcome versus Actual Results


Contact ±13 Companies to participate

Receive maximum 10 survey responses




Contact ±17 Companies to participate

Received only 2 survey responses



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Results

Questions


1. When was your company established?
2. How many people does your company provide jobs for? I.E how many employees work for the company?
3. Does your company only manufacture plastic products or are there other ranges? Paper, metal etc.
4. What percentage of your plastic products are made from recycled plastics?
5. Is your plastic recyclable?
6. How did you achieve your bio-degradable plastic? Or what components make it biodegradable?
7. (if no to questions 5 to 6) Does your company plan on moving over to recycled or biodegradable plastic in the long or short term?
8. Does your company have any CSI (Corporate Social Investment) projects running that are directly related to the plastic pollution problem?
9. (if no to question 8) Would your company be willing to invest in a NPO of some sort that does clean ups of litter?
10. How much importance does your company place on sustainability related practices?
11. What is your greatest deterrent from doing more with respect to sustainability initiatives? (i.e. money, production issues, etc.)
12. How much are the decisions you make concerning sustainability pushed by governmental policies versus personal choices?
13. Does your company currently collect any plastics for recycling or is it all done by outside initiatives?
14. What is your company doing to prevent pellet spillage?
15. Have you considered using other materials other than plastic? (Elaborate and specify on your answer)


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Factors affecting Results


Pandemic






Strikes

10




Challenges



Incorrect email addresses
OR
Rejecting Gmail email addresses/
external email addresses

Email survey
=
Respond in own time
=
Delay in results
+
Responsibility is in
representatives hands



11





Discussion

Tedious
phone calls

Lack of
information
of the web

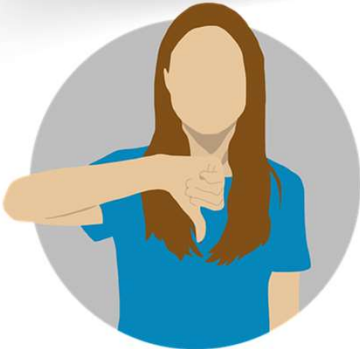
Follow up
emails and
calls

No
response

12

Discussion



Reluctance to take part in survey due to topic
 +
 Anonymity was emphasised
 +
 University of Norway Link
 =
 Leading us to believe that companies are not as transparent about their plastic practices

13

Improvements



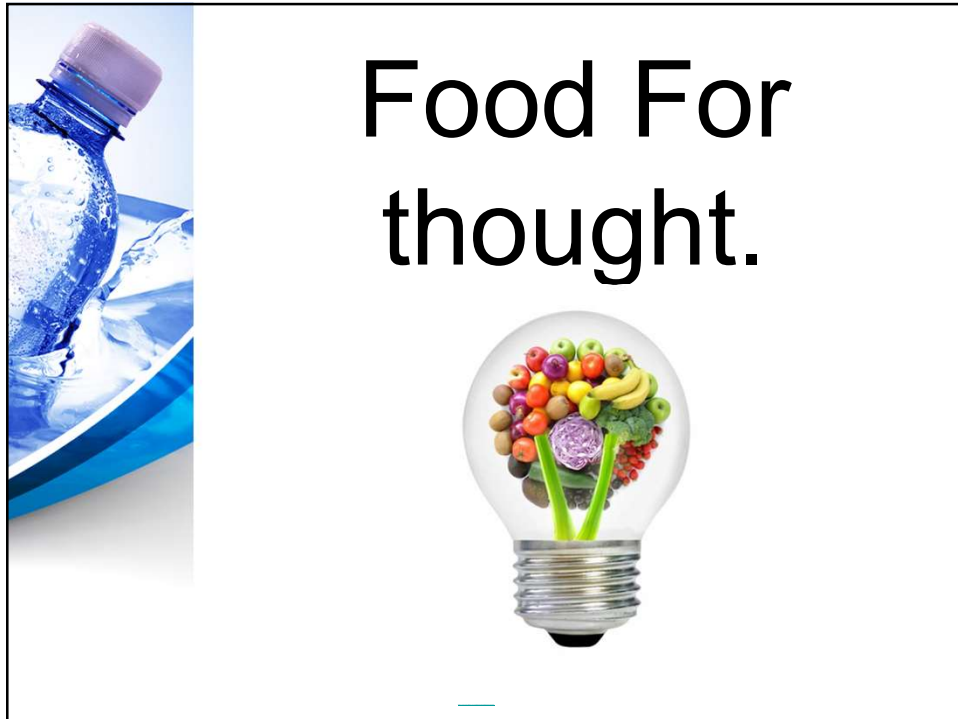


Advisors



Time

14



17



18