♥ ֎ ★ UNIVERSITY OF HULL

0

How do we manage plastics pollution?

A-10

444

Clare Collins

Postgraduate Researcher

Managing plastics

Cumulative plastic waste generation & disposal



Slide 2 of 11

Clare Collins

Managing plastics

4.8 tonnes of waste were generated per EU inhabitant in 2020.

39.2 % of waste were recycled and 32.2 % landfilled in the EU in 2020.



Clare Collins

EU Waste Statistics

Slide 3 of 11

Core Principles for the Recyclability of Plastics



Use same material

Use mono-materials or mixed materials of the same type wherever possible. If different materials have to be used they should be different densities.

Minimise colour

Non-pigmented plastic is preferred. If colour is necessary, avoid strong colours as much as possible.

Easily separable closures

These should be easy to detach, should leave no attachments once removed and ideally be recyclable themselves.

https://www.bpf.co.uk/design/recyclability-by-design.aspx

Avoid full sleeves

If a sleeve must be used, it should be easily removable and there should be clear instructions explaining how to detach it



Small, easily removable labels

Adhesives should be used sparingly and labels should cover no more than 60% of the product's surface area, as well as being easy to remove.

Clare Collins

Slide 4 of 11

Provide suitable bins



\sim			
	are	CO	lins

Slide 5 of 11

Encourage community action

- Pick up litter as they walk by
- Organised litter picks
- Taking rubbish home
- Behaviour change: reduce, repair, reuse, recycle
- Pride and care for a beautiful environment
- Clean land, clean water

Managing plastics



C.Collins-2019@hull.ac.uk

Clare Collins

Slide 6 of 11

Collect community litter pick data

Why should we collect data?

#OpenLitterMap



1. Visibility

For many people, litter has become normal and invisible. Maps are powerful because they communicate what we cannot usually see.



2. Problem solving

Our data is open and accessible. Everyone has equal, open and unlimited rights to download all of our data and use it for any purpose.



3. Community

We need your help to create a paradigm shift in how we understand and respond to pollution.

		•
are	$\Box O$	lins

Slide 7 of 11



Lobby government & industry

- Water companies sewage
- Farming practices
- Boat company product research
- Boat users to check and repair where damaged plastics
- Government to increase producer responsibility payments as virgin plastics still much cheaper than recycled



Be a good ancestor

P

N

Make responsible living second nature

Clare Collins

∑@ClareyCollins

C.Collins-2019@hull.ac.uk

Thank you for listening