

Your Resourceful Future:

Create solutions to minimise waste and sustain global resources

SECTOR: Local Government (Public Sector)

ORGANISATION: South Gloucestershire Council

Overview:

Waste management costs to local authorities for 2011-12 are estimated at £3.2 billion. UK householders spend £12.5 billion every year on food that could have been eaten but ends up being thrown away.



Managing waste

Specific issue:

From the latest composition analysis work in our area, 23% of household rubbish is made up of food waste. This is a combination of unopened packaged food and left-over food. Together it means a lot of waste and a lot of wasted money.



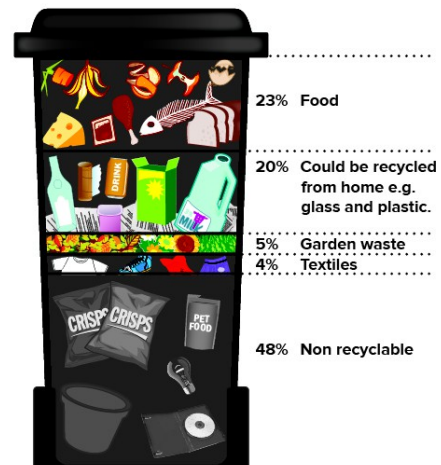
Unused food

The Challenge:

Please explore how we can reduce the amount of food that ends up in our black bins

Target groups: Families and households

(Children, Young people, Parents or carers, Grandparents, Couples, Single people, others)



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SECTOR: Retail, leisure and food industries

ORGANISATION: The Mall at Cribbs Causeway

Overview:

Food and packaging waste is estimated to cost the UK retail and food industry £6.9 billion per year. The Mall is home to around 135 retailers and restaurants, and plans are now being developed so that Cribbs can provide even more restaurants, cafés and leisure facilities. We have included over 100 sustainability points in our new plans including segregation of food packaging from our waste streams.



The Mall

Specific issue:

In recent years, businesses in The Mall have separated over 400 tonnes of unused food. The big issue we face is what to do with it. The cost each year of sub-contractors moving, sorting and delivering it for processing is more than £33,000. We see unused food as a resource rather than waste but need to identify different markets that can make use of it.



The Challenge:

Please explore ideas for what else we can do with leftover food from businesses in The Mall.

Target groups: Front line workers; On-site recyclers; External businesses who use food leftovers.



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SECTOR: Entertainment

ORGANISATION: Glastonbury Festivals

Overview: Each year more than 177,000 festival goers descend on Worthy Farm in Pilton, Somerset. It costs £780,000 to dispose of all the rubbish left over - everything from food wrappers to tents. Glastonbury aims to recycle 60% of all waste this year and the site features around 15,000 refuse and recycling bins. The festival team has a 1,300 volunteer 'Recycling Crew' who clear up in return for their tickets.



Glastonbury aftermath!

Specific issue: Our big issues are how to reduce the volume of waste overall and specifically the volume of "black bag" waste that is not recycled*. This means communicating with festival-goers to reduce the number of disposable products brought onto site and encourage them to recycle more of what does come onto site.



Recycling Crew

* The festival has a 3 bag system with **Green** bags for recycling of plastic, tins and glass, **Orange** bags for compostable food waste, paper cups, paper plates etc and **Black** bags for everything else.



The Challenge:

Please explore easy and practical ways for festival-goers to reduce waste and separate their recycling.

Target groups: Public attendees (16-30 age group, first time festival-goers & campers); Staff – in crew camping areas.



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SECTOR: Technology
ORGANISATION: Hewlett Packard

Overview:

Each year in the UK, over 375 million ink cartridges are thrown away and end up in landfill sites. That is approximately 70% of all ink cartridges and 50% of all toner cartridges and means that roughly 11 ink cartridges are being thrown away each second! When ink cartridges end up in landfill sites, they can take 450 to 1000 years to decompose.



Ink Cartridges to landfill

Specific issue:

Hewlett Packard (HP) set up 'Planet Partners' recycling programme in 1987. More than 75% of our ink cartridges are now manufactured with “closed loop” recycled plastic (50-70% recycled). We would love 100% to be returned but that isn't happening. Our goal is to receive 4000 tonnes of inkjet cartridges worldwide in 2015 from a measure of 2040 tonnes in 2013.



The Challenge:

Please explore how to make a strong case for the need to return used cartridges back to HP.

Target groups: General public



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SECTOR: Water (Utilities)

ORGANISATION: Bristol Water Plc.

Overview:

In UK, every person uses about 150 litres of water every day. Bristol Water supplies approx. 300,000,000 litres of water, to 1.1 million people each day. This water is abstracted from the environment, treated, pumped and wasted. Around 15% of this is unaccounted for, through leakage, unmetered supplies and operational use.



Specific issue:

At Bristol Water we work to manage our environmental assets responsibly by reducing leaks on the network (pipes). We also encourage industry to develop water efficient technologies. Promoting water efficiency at home is also important. For example, up to 5 large bottles of water can be used if you leave the tap running when you brush your teeth.



The Challenge: How can Bristol Water encourage people to use water more efficiently?

Target groups:

General public

Families

Everyone



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SECTOR: Not-for-Profit / Charity

ORGANISATION: Children's Scrapstore

Overview:

Waste from businesses and industries going to landfill in England has increased from about 30.5 million tonnes in 2009 to 35.5 million tonnes in 2012. Children's Scrapstore collects around 100 tonnes of business waste material every year from the Bristol area. They include reusable off-cuts, rejected materials and by-products from different production process to unwanted finished goods of all sorts.



Waste collection from a shop

Specific issue:

In the reuse sector we have a range of issues and challenges. Every time better recycling methods come in, our supply of scrap reduces. However, we know that there are lots of businesses that we haven't yet connected with. This is partly to do with people's attitudes to reusing and partly to do with suppliers not knowing that we will gladly accept waste products as long as they are safe and non-hazardous.



Bristol Scrapstore

The Challenge:

Please explore how we can connect better with businesses and industries to increase the supply of safe waste materials.

Target groups: Businesses, industry and manufacturing.



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SECTOR: Health

ORGANISATION: University Hospitals Bristol NHS Foundation Trust

Overview: The combined cost of waste disposal to NHS Trusts in 2013/14 was a massive £86,228,925. This includes clinical and general waste, office, food and construction waste.

In our Bristol group of hospitals last year we spent over £530,000 and so are already working hard to reduce our impact on the environment. We have introduced new ways to dispose of waste material to minimise the use and impact of practices such as incineration and landfill. We now recycle 14% of our domestic waste but aim to increase our rate of recycling to 25%.



Medical waste

Specific issue:

We have lots of items which get thrown away after a single use such as crutches, zimmer-frames and office furniture. These are valuable resources, often using materials that are not renewable, and that are increasingly expensive to purchase.



Challenges include lack of storage space and ensuring items are clean and safe to be reused.

The Challenge:

Please explore how to increase the reuse of items as much as is possible.

Target groups:

- Front line staff
- Managers
- General public



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