

**Date:** 26th September 2018  
**Time:** 10:00-13:00  
**Venue:** University of Dundee



## **MINUTES:**

### **Waste Management TSN**

#### **Attendees:**

Jackie	Beresford	JB	Dundee and Angus College
Stephen	Chalmers	SC	Robert Gordon University
Al	Clark	AC	University of St Andrews
Paulo	Cruz	PC	Glasgow Caledonian University
Trudy	Cunningham	TC	University of Dundee
Therese	Fraser	TF	Glasgow Caledonian University
Steven	Giannandrea	SG	City of Glasgow College
Samantha	Hartley	SH	EAUC-Scotland
Claire	Laing	CL	SRUC
Sarah	McNeil	SM	The University of Edinburgh
Hanna	Plant	HP	Resource Futures
Sandie	Whigham	SW	The University of Edinburgh
Catherine	Wilson	CW	Zero Waste Scotland
Kim	Young	KY	Zero Waste Scotland

	<b>SUMMARY OF DISCUSSIONS</b>	<b>ACTIONS</b>
<b>1</b>	<p><b>Welcome and Apologies</b></p> <p>Everyone was welcomed to the meeting and apologies noted.</p>	
<b>2</b>	<p><b>Introductions and Key Projects</b></p> <p>Attendees introduced themselves and their current waste projects within their institution.</p>	
<b>3</b>	<p><b>Love Food, Hate Waste Workshops</b></p> <p><i>Kim Young, Zero Waste Scotland</i></p> <p>Love food, Hate waste is an international campaign, ran by different organisations around the world but originally developed by WRAP (Waste Resource Action Programme – the English Version of Zero Waste Scotland). It is focused on consumers and reducing food waste, not on recycling and composting. It aims to highlight the environmental impact of creating less waste and the money saving opportunities.</p> <p>The campaign is of particular importance in Scotland as the Scottish Government have set a 33% food waste reduction by 2025. The course is tailored to the Scottish audience including such facts as, consumers cause 50% of all food waste and £1.1 billion of food is lost each year in Scotland.</p> <p>The training is based on five key behaviors. It was originally created by WRAP and was based on research of cascade effect. It is a 2 hour session; this can be flexible to suit each institution’s needs. The session is interactive with a pledge undertaken at the end to make one small change.</p> <p>The course is freely available to deliver in-house at institutions. At least 10 people are required for the course and it is available on evenings and weekends.</p> <p><a href="#">Contact Zero Waste Scotland</a> to book.</p>	
<b>4</b>	<p><b>Circular Economy in Universities and Colleges</b></p> <p><i>Hanna Plant, Resource Futures</i></p> <p>Resource Futures Scotland are a small team, with a head office in Bristol. Their work spans public, private and third sector. They mostly focus on gathering evidence, providing insight and meaningful engagement around engagement. They have recently published a number of reports around waste and reuse for organisations such as Resourcing the Future Partnership and WRAP Wales.</p> <p><b>Why does CE matter to Universities and colleges?</b></p> <ul style="list-style-type: none"> <li>- Innovation</li> </ul>	

- Research and collaboration
- Efficiencies
- Carbon and finance savings
- Skills development
- Leadership

An international programme, involving institutions with the Circular Economy is the [Circular Economy 100](#) (CE100) from the Ellen MacArthur Foundation. This is a pre-competitive innovation programme established to enable organisations to develop new opportunities and realise their [circular economy](#) ambitions faster. It brings together corporates, governments and cities, academic institutions, emerging innovators and affiliates in a unique multi-stakeholder platform. As part of this are ‘Pioneer Universities’ and ‘Network Universities’ (University of Strathclyde and University of Edinburgh are members of this).

Barriers to the circular economy in institutions is:

- Requires a systems approach
- Can’t act on what you don’t know
- Lack of a business case
- Procurement barriers
- The impatient search for a perfect system.
- Existing supply chain reluctance to explore CE
- Fear of failure
- Tendency to ‘go it alone’.

Solutions to these include:

- Audit current CE activity. - Probably more happening than you think!
- Scope possibilities- NHS estimate 50% of their contracts could be circular.
- Start somewhere- go first for the ‘low hanging fruit’.
- Build a business case – you will need this to bring others on board.
- Can go ‘Semi-Circular’ - Doesn’t have to be perfect straight away.
- Don’t have to do it alone- work in collaboration.
- Replicate good practice- Use networks like EAUC-Scotland!
- Test in real life- Learn by doing.
- Students as innovators- what have students started that can be scaled up?

Some examples of CE in Practice within institutions are:

Area	Example	Description
Re-use	Warpit Reuse Portal	Resource distribution network
Repair	Bike Pool- Transition University of St Andrews	Bike repair and hire scheme

	<table border="1"> <tr> <td>Remanufacture</td> <td>Scottish Institute for Remanufacture- Strathclyde</td> <td>Research for industry solutions</td> </tr> <tr> <td>Academia</td> <td>Msc in Material Practice at Edinburgh College of Art</td> <td>Integrating projects on modules focussing on CE into degree courses.</td> </tr> <tr> <td>Student initiatives</td> <td>Shrub (Swap and Reuse Hub)</td> <td>Collections, free-shop and rental service</td> </tr> </table> <p><b>Details</b>  Hanna.Plant@resourcefutures.co.uk  07917536529  @resourcefutures</p>	Remanufacture	Scottish Institute for Remanufacture- Strathclyde	Research for industry solutions	Academia	Msc in Material Practice at Edinburgh College of Art	Integrating projects on modules focussing on CE into degree courses.	Student initiatives	Shrub (Swap and Reuse Hub)	Collections, free-shop and rental service	
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	<p><b>Food waste Bins Discussion</b></p> <p>The discussion focused around the issue of contamination with public food waste bins as well as internal. Some institutions stated they are changing canteen procedures to ensure it is staff emptying plates to try and prevent contamination.</p> <p>It is highlighted that Zero Waste Scotland have a ‘Create your own signage’ tool for bins, these can be personalized for each institution or bin requirement. There is a full range of communication materials for all waste streams <a href="#">here</a>.</p> <p>All institutions must improve food waste efforts to align with the Scottish Government <a href="#">2021 ban on biodegradable waste to landfill</a>.</p>										
5	<p><b>Waste Minimisation Discussion</b></p> <p>There was discussion around the prevalence of the anti-single use agenda and that students are becoming more engaged on this matter. This is a good opportunity to work with students on raising awareness within the institutions community of staff and students. A few institutions have opened ‘Zero Waste’ shops within their unions such as <a href="#">University of Sheffield</a>. There is also a similar shop opened in Arbroath called <a href="#">Sea No Waste</a>.</p>										
6	<p><b>Code of Practice on Litter and Refuse (CoPLAR)</b>  <i>Catherine Wilson, Zero Waste Scotland</i></p> <p>A renewed Code of Practice in Litter and Refuse came through parliament this year. No legislative changes have been made as part of the review, so the duties remain the same as 1990, however, the new code provides a fresh focus and contains several changes and points of clarity:</p> <ul style="list-style-type: none"> <li>• A new focus on prevention — putting it on an equal footing with cleaning up by embedding prevention in statutory guidance for the first time in line with</li> </ul>										

	<p>the recommendations of the Christie Commission</p> <ul style="list-style-type: none"> <li>• Clearer guidance on fulfilling both statutory duties 1 and 2 under the EPA section 89</li> <li>• Revised zone categories based on the potential for litter to build-up in an area due to the number of people using an area and the type of premises or sites which are a potential source of litter</li> <li>• Revised grade categories — providing objective definitions of grades and provide useful information to help inform preventative action</li> <li>• Improved clarity — on the land in scope of the duties, and the bodies required to meet them</li> <li>• Variable restoration times — that give bodies more flexibility to implement a range of tactics to keep land clear of litter and refuse</li> </ul> <p>Keep Scotland Beautiful recently published a report on <a href="#">The impact of declining local environmental quality on Scotland’s communities</a>, highlighting that environmental quality in Scotland is declining. It is a requirement of landowners to demonstrate how they are keeping their areas clean.</p> <p>The code of practice highlight a shift to prevention and long-term behavior change and placing this on an equal footing with ‘cleaning up’. They are trying to create a massive culture shift emphasizing that litter is not just a local council issue, everyone is responsible. The code itself has two duties:</p> <ul style="list-style-type: none"> <li>- Keep land and roads clear of litter and refuse</li> <li>- Keep roads clean (applicable for local authorities, defined in the roads Scotland act)</li> </ul> <p>The guidance asks landowners to zone their land, including data on people and litter sources. The framework of zones, grades and response times can be found in CoPLAR 2018.</p> <p>Partnership working is essential, as litter crosses land boundaries and changing behavior requires consistent messaging from multiple sources. This could be as simple as sharing communications in line with council.</p> <p>Organisations are encouraged to develop their own litter prevention action plans; this can count as a way of demonstrating a commitment to preventative action and therefore towards prevention spend. Resources to complete a Litter Prevention Action Plan are available on the Zero Waste Scotland website <a href="#">here</a>. Organisations with a litter prevention plan in the same area are encouraged to work together to target action and share ideas and resources. Within the Litter Plans portal, you can see some of the Plans already in place in Dundee and elsewhere. Additional to this resource is the <a href="#">Litter Knowledge Network</a>, a large resource bank where everyone is encouraged to share and take knowledge from.</p> <p>Monitoring impact of litter will be an essential part of this new focus. Zero Waste Scotland are currently working on a monitoring system that will be released shortly. It will be a fully digitized system and training on this may be available. This will help provide data to help target prevention. This is not compulsory but will help you fall in</p>	<p><b>SH</b> – Invite ZWS for next meeting to</p>
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	<p>line with duties and give data to help you manage land more effectively.</p> <p>If your institution is in a coastal community there is funding to reduce single-use plastic pollution in blighted areas <a href="#">here</a>.</p>	<p>showcase new litter monitoring system</p>
	<p><b>Glutton Street Hoovers review</b>  <i>Trudy Cunningham, University of Dundee</i></p> <p>There is a new form of street cleaner available called the <a href="#">Glutton Street Hoover</a>. TC has tested the machine and found it very efficient; she is now looking to procure a machine.</p> <p>The machine is a large portable street hoover. The battery lasts a full day and charges overnight. They are particularly useful for clearing smaller item of litter like cigarette ends and broken glass, so they are very useful for outside unions or building entrances. It can clear cigarette ends from awkward places like flowerbeds and tree grates. It can also clear liquids. All the waste empties into a 240l wheelie bin located within it and can be easily emptied. The machine is power assisted and can go over cobbles easily. It can also be used indoors. Dundee city council have bought two Glutton street cleaners.</p>	
	<p><b>Zero Waste Journey</b>  <i>Paulo Cruz, Glasgow Caledonian University</i></p> <p>Glasgow Caledonian University sent no waste to landfill from campus last year. The message resonated well with leadership.</p> <p>The University are now edging towards being as zero waste as possible with the following initiatives:</p> <p><b>Quick Opportunities</b> – Removed liquids from recycling and introduced fluid bins, targeted food waste in catering outlets by charging catering departments for skips contaminated with food waste, provide options for difficult streams, ‘Return to Sender’ junk mail stickers to cut junk waste and more strategically targeted prominent streams of waste.</p> <p><b>Slow opportunities</b> - Waste composition analysis (helping to open opportunities for building specific campaigns), optimizing container locations, food waste cadies from departmental kitchens, awareness videos, improved signage</p> <p><b>New opportunities</b> - Pallets sold for re-use (worth £2, £1 in avoided waste charges and £1 in income), re-useable take-away for containers (introduced 20p charge for this, either eat in or buy reusable container where first meal is free)</p> <p><b>Aspirational Opportunities</b> - Building specific awareness campaigns, charging for single-use cups (rather than discounting), printer rationalisation, stationary delivered in paper bags rather than boxes and plastic</p> <p><b>Progress &amp; Impact:</b> 64% of waste is recycled (the rest is RDF), incidence of</p>	

	contamination down from 37% to 5%, contamination of recycling bags down from 5% to 1.5% (DMR bins)	
<b>10</b>	<b>Next meeting:</b> Waste minimisation from Dundee and Angus College	All: Advise on next meeting location and discussion topics
<b>11</b>	<b>THANKS AND CLOSE</b>	

Minutes prepared by Samantha Hartley, EAUC-Scotland Programme Networks and Communications Coordinator, November 2018