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ENVIRONMENTAL HEALTH
INSTITUTE OF SCOTLAND

Waste Management Challenges for the Public Sector

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Speaker Profile



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- Director of Albion Environmental Ltd
- External verifier for SQA
- Treasurer for SWITCH
- RMAS Management Committee member



Contents



- Policy and Strategy Changes
- The Public!
- Opportunities
- Training and Education
- Q&A's



Local Council Waste Challenges



- Landfill Ban (end 2025)
- Deposit return scheme – rolling out summer 2022, voluntary basis by Nov 2022 – delayed to Aug. 2023
- Reduce food waste by one third (not recycle – reduce!)
- Recycle 70% of waste by 2025
- Net Carbon / Carbon Zero



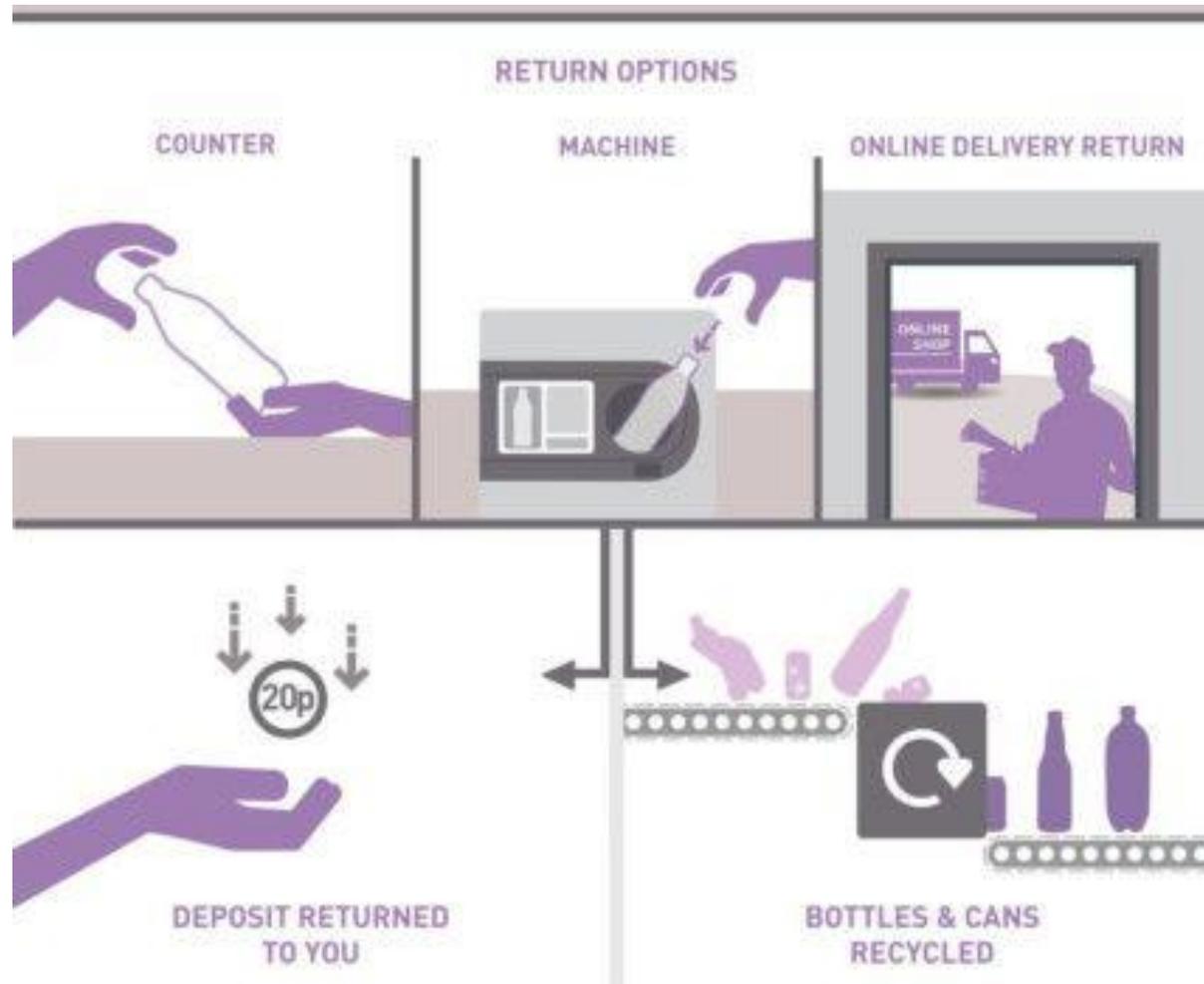
Scotland's Deposit Return Scheme



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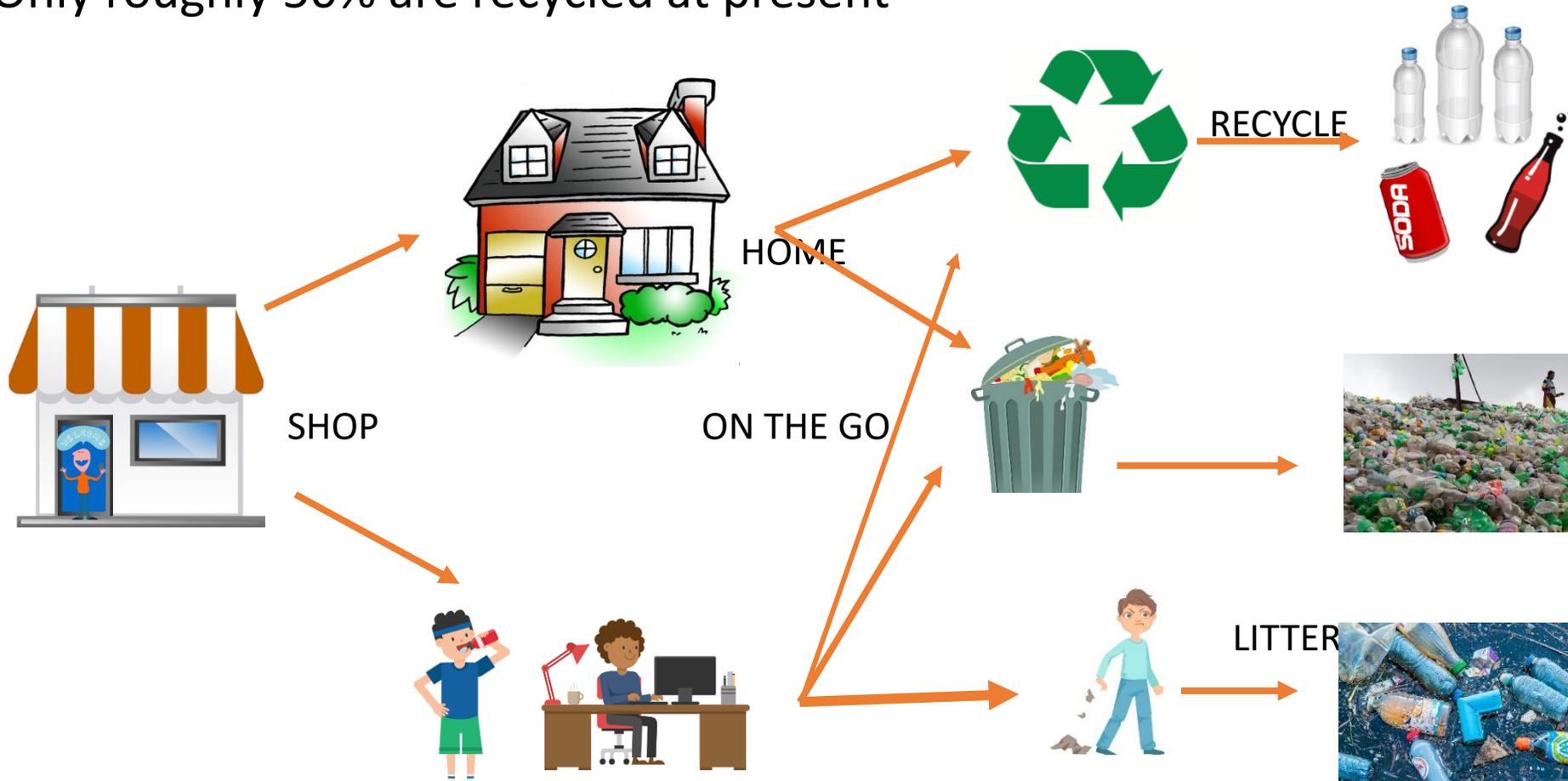
TARGET CAPTURE RATE:

90%

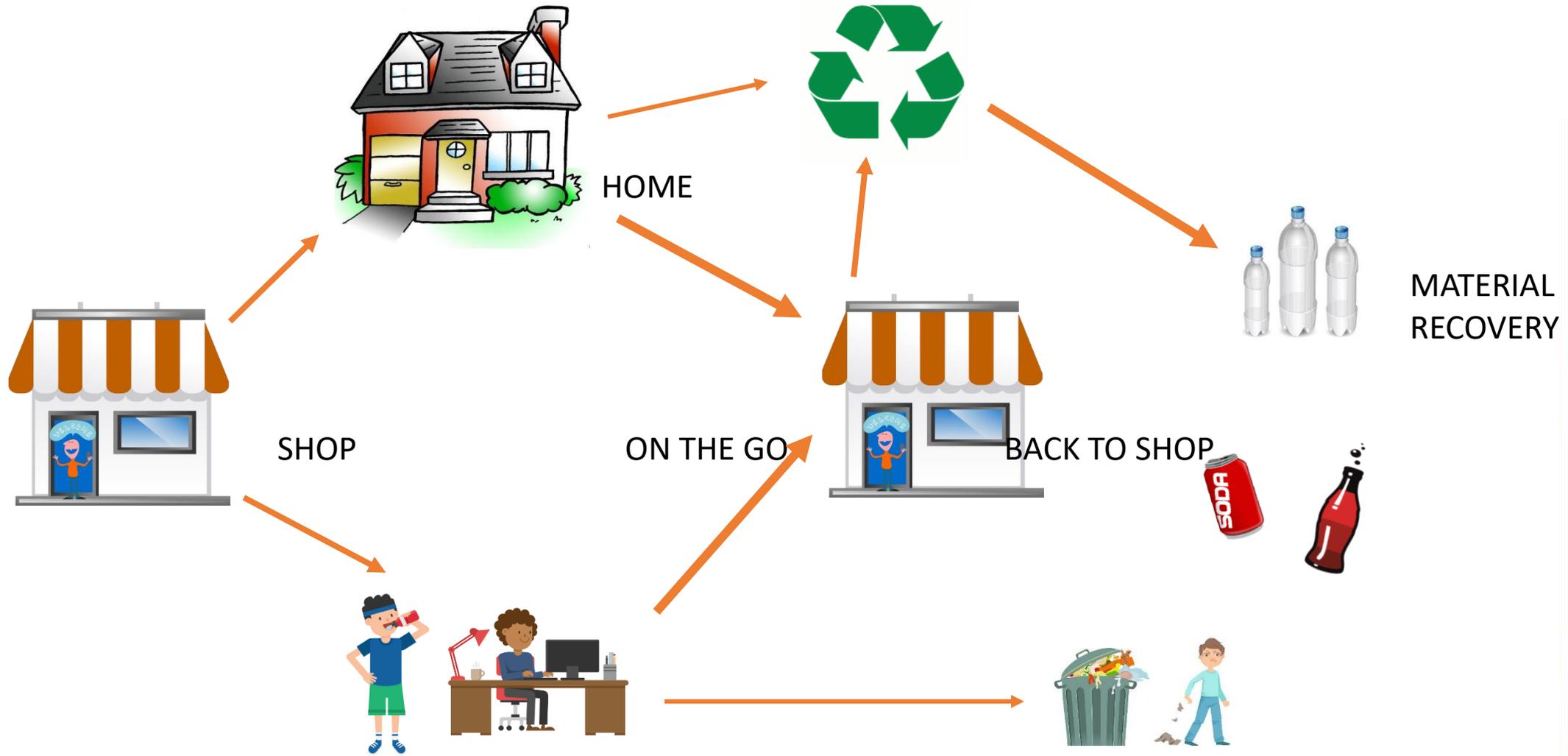


What is the Current Situation?

- Over 2 billion drinks in bottles or cans are sold in Scotland every year
- Only roughly 50% are recycled at present



What is the New System?



Impact on Waste Management Companies



- Less revenue from recyclates – may need to reduce collection frequency
- Street cleaning – possibly less bottles/cans (although streets will still need to be cleaned)



Impact on Waste Management Companies



- Huge drop in revenue from recyclates – will recycling be unviable
- Possible opportunity or will the supermarkets take service in house
- Better quality of materials will be captured for recycling, so bottle can be turned back into bottles



The Public!

Recycling at the kerbside is already so easy that anyone can do it...



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Is Commercial Waste any better?



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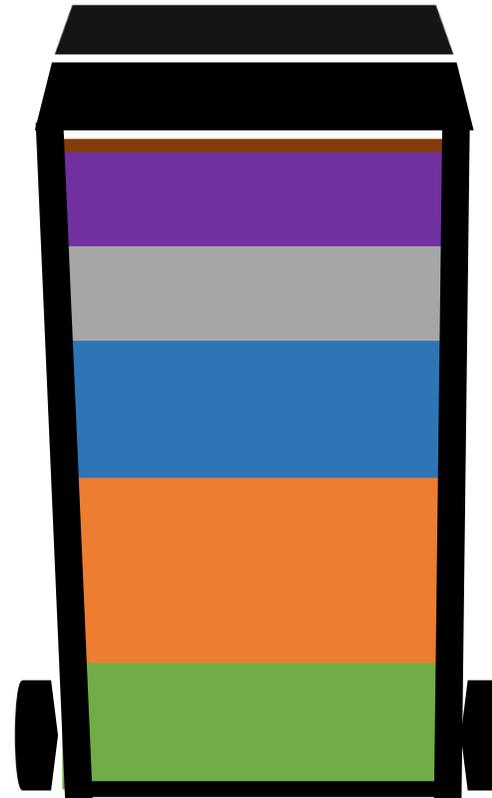


What is in the Green (residual) Bin



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- Only 19% of waste in green bins should be there
- What does this cost



■ Residual - 19%
■ Food - 29%
■ Metal & plastic - 21%
■ Paper & card - 15%
■ Glass - 14%
■ Garden - 2%



Residual Waste to Landfill



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Theoretical Cost (if items were recycled)

	Tonnes	£per tonne	Total Cost
Residual	5,685	120	682,200
Food	8,385	30	251,550
Metal	1,449	-200	-289,800
Plastic	4,744	-360	-1,707,840
Paper	4,273	-110	-470,030
Glass	4,236	-15	-63,540
Garden	74	20	1,480
Wood	446	20	8,920
Total	29,291		-1,587,060
Landfill	29,291	120	3,514,920



Local Council Waste Opportunities



- Extended Producer Responsibility for Packaging Waste – EPR Scheme
- EPR will see the full cost of collecting household waste shift from the taxpayer to producers, in the hope of delivering a more circular economy for packaging where greater quantities of recyclable waste are reprocessed into valuable, high-quality secondary resources.



Local Council Waste Opportunities



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2022	2023	2024	2025	BEYOND 2025
<p>Circular Economy Bill Consult on Circular Economy Bill proposals.</p> <p>Single Use Plastics Ban Introduction of our ban on some of the most environmentally damaging single-use plastic items.</p> <p>FWRAP Publish review and update of the Food Waste Reduction Action Plan</p> <p>Recycling Improvement Fund £70 million fund to improve local authority recycling collection infrastructure (ongoing to 2025).</p> <p>Textiles Challenge Fund Establishment of a £2m textiles innovation fund to tackle textile pollution and throw-away culture.</p> <p>Incineration Review Completion of independent review into the role of incineration within Scotland's waste hierarchy.</p> <p>UK Emissions Trading Scheme Consultation on UK Emissions Trading Scheme to gather evidence on inclusion of incineration within the scheme.</p> <p>Digital Waste Tracking Consultation on digital waste tracking.</p>	<p>Deposit Return Scheme Implementation of our Deposit Return Scheme (DRS) for single use drinks containers.</p> <p>Recycling Co-design Co-design of high quality, high performing household recycling and reuse services with service operators and citizens.</p> <p>Separate Collections - Garden Waste Separate collections of Bio-waste (e.g. garden waste), in line with EU requirements.</p> <p>Consult on Extending Bio Ban Consultation to consider extending the ban on landfilling biodegradable municipal waste in 2025 to include biodegradable non-municipal waste.</p>	<p>Extended Producer Responsibility Implementation of Extended Producer Responsibility (EPR) schemes for packaging, waste electrical and electronic equipment and batteries from 2024 onwards.</p> <p>Recycling Guidance Develop guidance for household waste and recycling services.</p> <p>Review of Service Charging Review of household waste and recycling service charging.</p> <p>Commercial Zoning Pilots Research and launch commercial waste zoning pilots.</p> <p>Residual Waste Strategy Implement a Residual Waste Plan.</p> <p>Sector-led Plan for Incineration Develop a sector-led plan for incineration by 2024 to restrict the incineration of fossil materials.</p> <p>Food Waste Prevention Target Investigate the feasibility of food waste prevention action plans for businesses and organisations.</p>	<p>Single-Use Disposable Beverage Cups Charge Introduction of a charge on single-use disposable beverage cups.</p> <p>National Re-Use Target Investigate the feasibility of a national reuse target.</p> <p>Separate Collections - Textile Waste Separate collections of textile waste, in line with EU requirements</p> <p>Bio Ban Introduction on ban of landfilling of biodegradable municipal waste.</p> <p>Landfill Gas Capture Expand landfill gas capture programme to double the number of sites that undertake investigative or development work.</p>	<p>Powers for Environmental Charging Develop a prioritised approach to charges & bans on other environmentally damaging products.[†]</p> <p>Ban on Destruction of Durable Goods Ban on the destruction of unsold durable goods.[†]</p> <p>National Consumption Reduction Target Develop statutory targets to tackle consumption reduction.[†]</p> <p>Mandatory Reporting Introduction of mandatory public reporting of food surplus/waste.[†]</p> <p>Statutory Performance Targets Introduction of statutory recycling & reuse local performance targets for household waste services, targets to be met from 2030.[†]</p> <p>Statutory Recycling Guidance Introduction of statutory guidance for household waste & recycling services.[†]</p>
<p>Research Programme Launch a programme of research in 2022-23 on waste prevention, behaviour change, fiscal incentives and material-specific priorities.</p>	<p>Digital Waste Tracking Implementation of mandatory digital waste tracking service (timing dependent on consultation responses)</p>			<p>[†] Circular Economy Bill Proposal.</p>



Local Council Waste Opportunities



- Will this result in increased revenue for Local Authorities?
- Will local authorities have a new “Pay Master” – if they don’t meet the targets, the producers may not pay out?
- What will impact on existing services be?



SWITCH Priorities



- Improving H&S and training and development across all the resource management sector
- Building on the success of the Competence framework, SHEA Passport and other SWITCH resources
- Working collaboratively to become the central point of information for health and safety, training, learning and development, and technical competence within the Scottish resource management industry!
- <https://switchforum.org.uk/>



SWITCH Membership



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BECOME A SWITCH FORUM MEMBER

*Name



*Email

*Telephone

*Organisation

As a member of SWITCH I will become an ambassador for the waste and resource management sector.

As an ambassadors I will make every reasonable effort to -

- Promote the SWITCH SCIO and its objectives.
- Actively promote SWITCH activities within my organisation and networks.
- Support events and other promotional activities; e.g. by providing speakers for events, developing case studies, writing articles and demonstrating good practice.
- Promote Health and Safety in my sector
- Promote Learning and Development in my sector

I agree

Request to join SWITCH



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