

The logo for Zero Waste Scotland, featuring the text "ZERO WASTE SCOTLAND" in white, bold, uppercase letters inside a white circular border. The background of the slide is a blue sky with white clouds and a sun setting behind a mountain range.

**ZERO
WASTE
SCOTLAND**

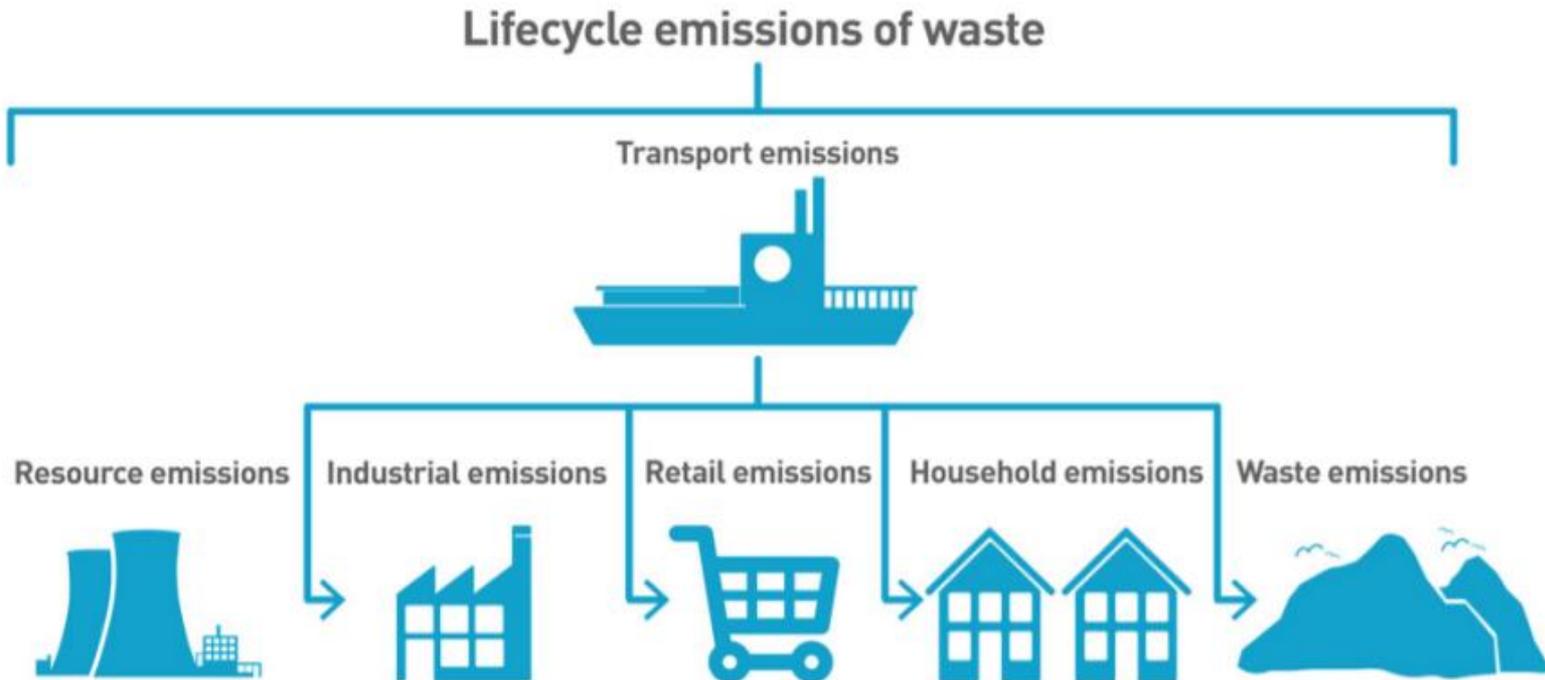
Environmental research and tools

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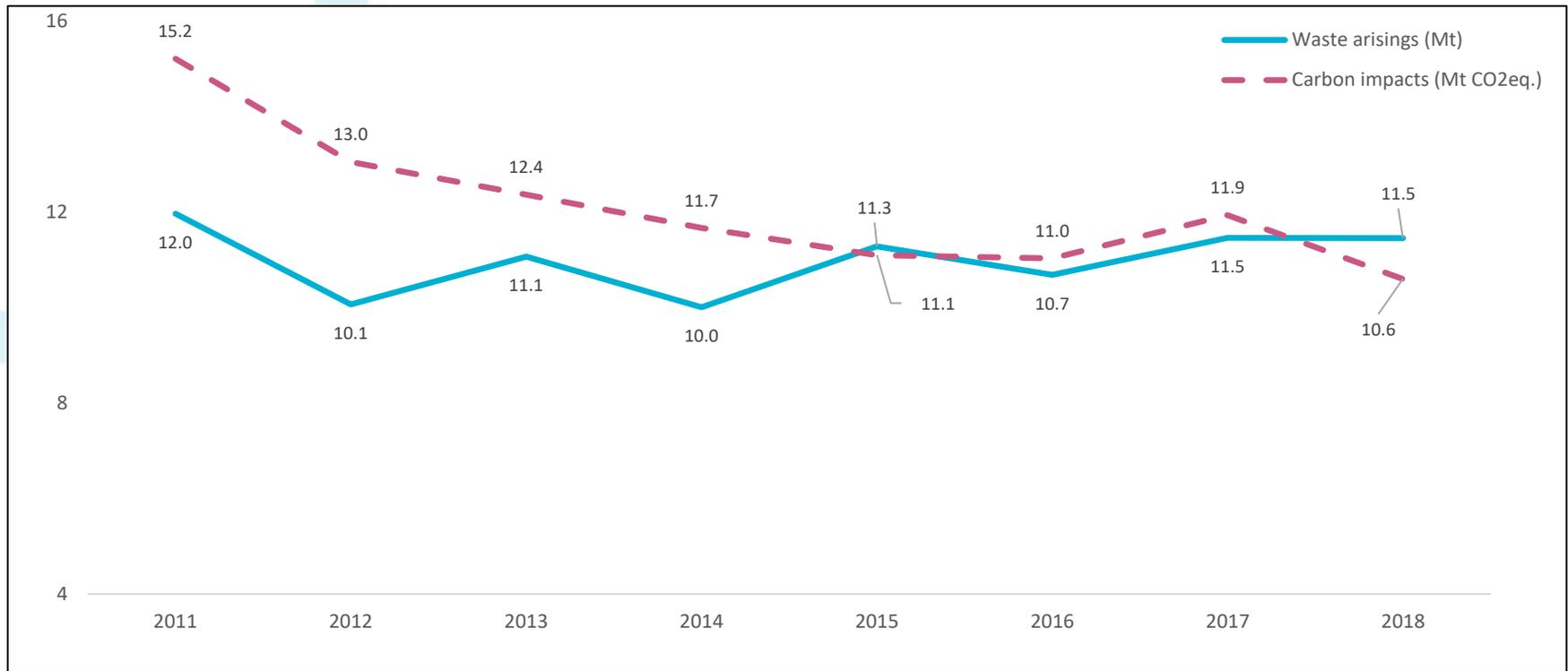
 [@zerowastescot](https://twitter.com/zerowastescot)

The Scottish Carbon Metric



- Measures the carbon impact of waste
- Compare waste prevention, recycling and management
- Improving waste data (especially composition analysis) helps us to improve the quality of our analysis

Carbon Metric: latest results



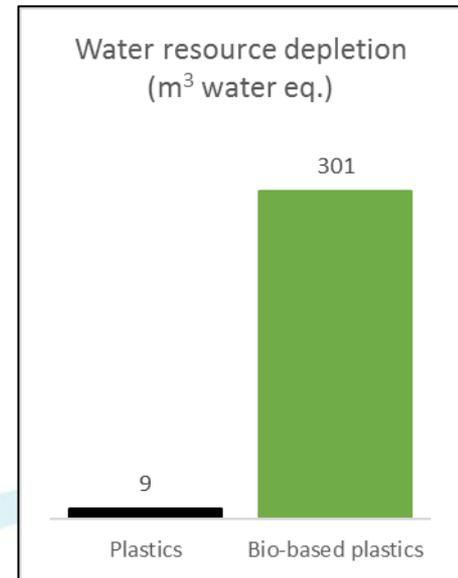
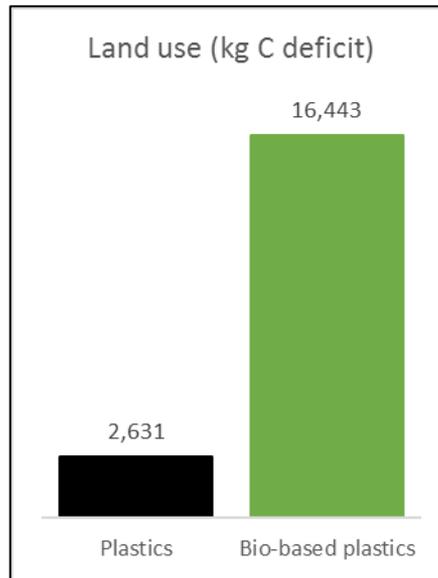
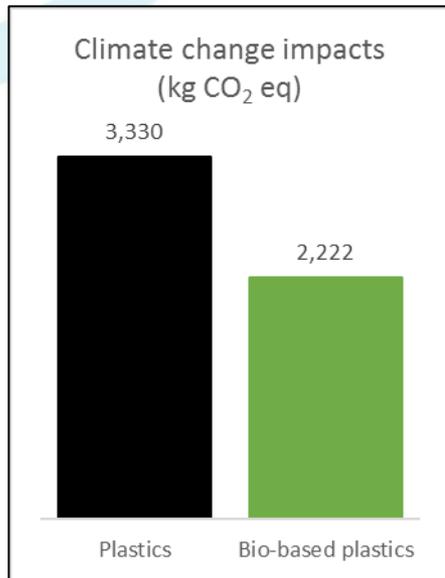
Waste arisings by weight and carbon impact 2011-2018

Reported as part of SEPA's official statistics

<https://www.zerowastescotland.org.uk/our-work/carbon-metric>

Moving beyond carbon

Fossil-based Vs bio-based plastic



SWEFT



Climate change



Air quality



SWEFT



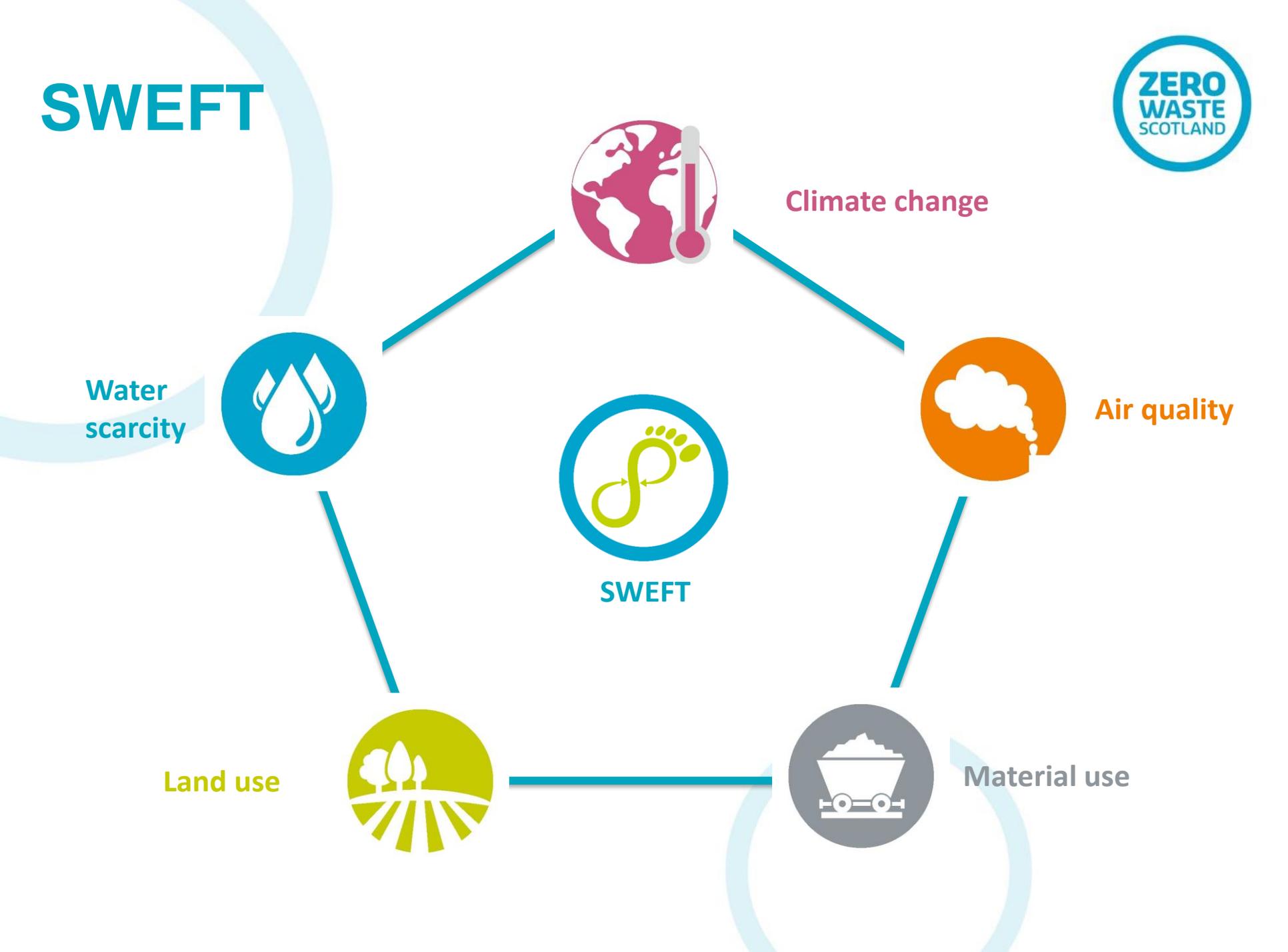
Water scarcity



Land use



Material use



Net Zero and Carbon footprinting



- National target to reach Net Zero by 2045
- Carbon footprint and consumption impacts
- Public sector reporting obligations currently focus on Scope 1 and 2

Scope 1: direct organisational emissions

Scope 2: indirect emissions

Scope 3: supply chain emissions

- What about Scope 3 reporting?
- Standardisation and accessibility



Net Zero and Carbon footprinting



ZWS is working on bridging this gap:

Expected to be published in 2021-22:

- Commuting tool
- Office equipment tool

Planned for publication in 2021-22:

- Supply chain tool

Overall goal is a “one-stop shop” for emissions profiling – no dates for development yet

Material Flow Accounts



- To be published in 2021
- Research to understand the flow of materials through Scotland's economy
- First study of its kind at sub-national level
- Will help Scotland prioritise materials and activities for the Circular Economy transition
- Waste data is embedded in the model

Thank you.

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