



Business Leadership and Climate Change

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**Zero 2030 - Community led Adur & Worthing Climate
Conference**

March 4 2020

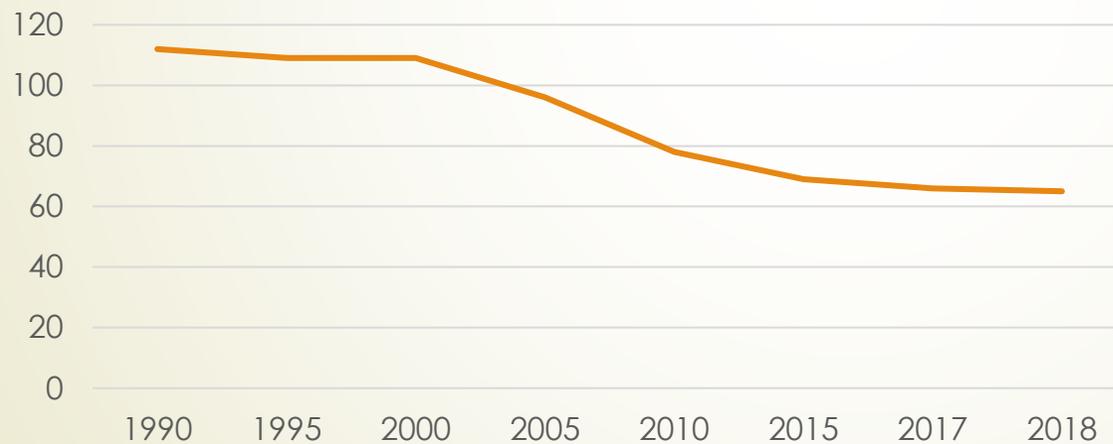


Agenda

- ▶ Presentation – Business Sector Challenge - 10 mins
- ▶ Workshop – Using Resolve Framework - 35 mins
- ▶ Summary – Discussion and Close – 5 Mins

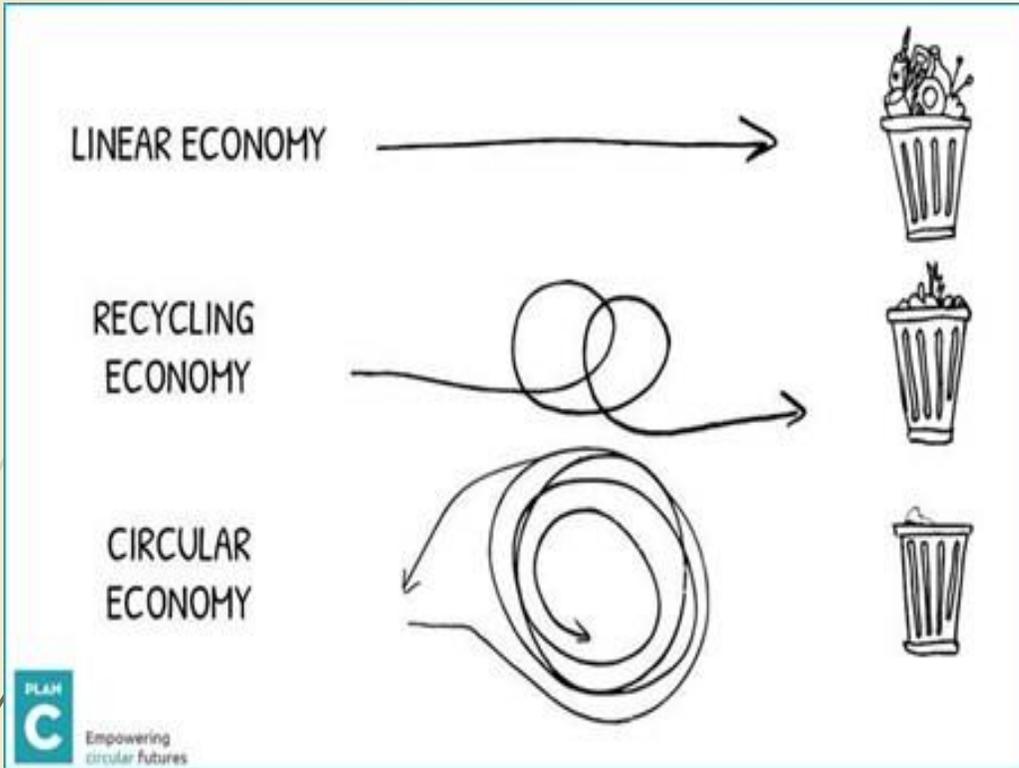
BUSINESS SECTOR CHALLENGE

Mt of Carbon Emissions



Source: Table 1, Provisional UK greenhouse gas emissions national statistics 1990-2018

- Carbon dioxide emissions from the business sector were estimated to be 65.9 Mt in 2018 and accounted for around 18% of all carbon dioxide emissions in the UK.
- There has been a 41 % decrease in business sector emissions since 1990. Most of this decrease came between 2001 and 2009, with a significant drop in 2009 likely to have been driven by economic factors.
- Significant step change required to meet Zero Emission by 2050

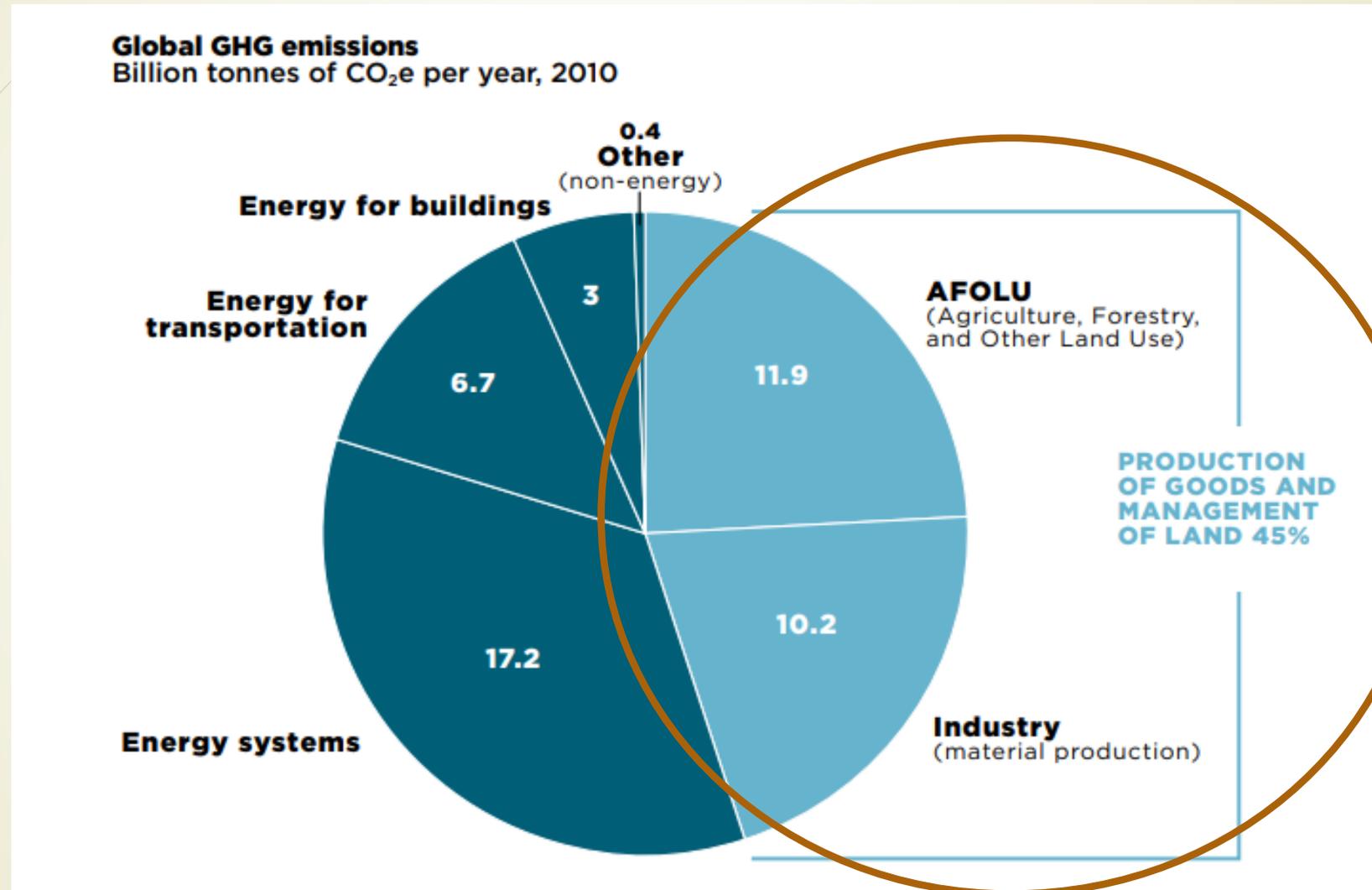


Circular Economy:

- Design out waste and pollution
- Keep products and materials in use
- Regenerate natural systems

Economic Re-Think Required

Circular Economy Delivers Climate Change



A Systems Thinking Approach - RESOLVE

REGENERATE 	<ul style="list-style-type: none">• Shift to renewable energy and materials• Reclaim, retain, and restore health of ecosystems• Return recovered biological resources to the biosphere
SHARE 	<ul style="list-style-type: none">• Share assets (eg cars, rooms, appliances)• Reuse/secondhand• Prolong life through maintenance, design for durability, upgradability etc
OPTIMISE 	<ul style="list-style-type: none">• Increase performance/efficiency of product• Remove waste in production and supply chain• Leverage big data, automation, remote sensing and steering
LOOP 	<ul style="list-style-type: none">• Remanufacture products or components• Recycle materials• Digest anaerobically• Extract biochemicals from organic waste
VIRTUALISE 	<ul style="list-style-type: none">• Dematerialise directly (eg books, CDs, DVDs, travel)• Dematerialise indirectly (eg online shopping)
EXCHANGE 	<ul style="list-style-type: none">• Replace old with advanced non-renewable materials• Apply new technologies (eg 3D printing)• Choose new product/service (eg multimodal transport)

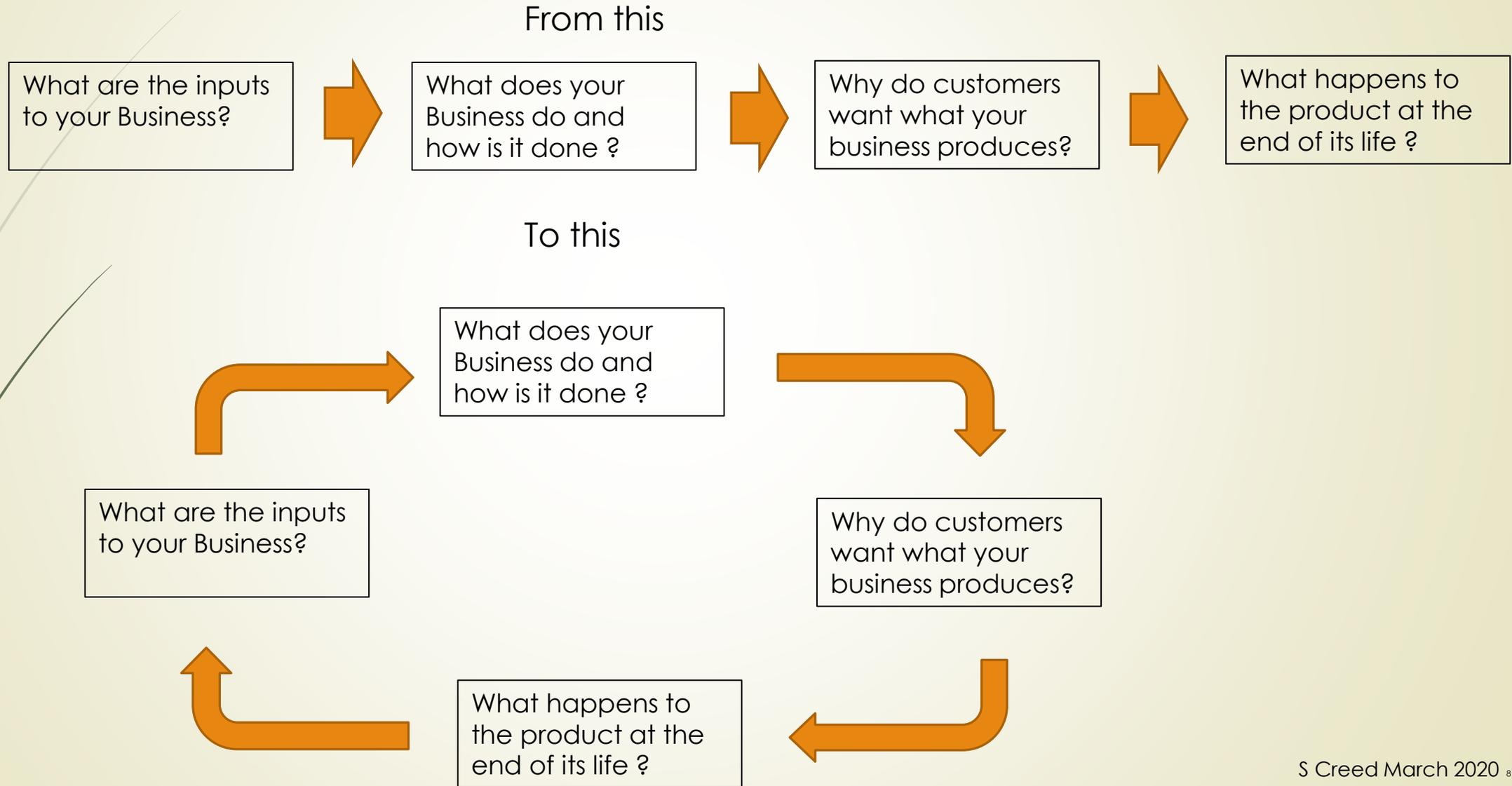
Examples

- ▶ Loop– **Re-Run Clothing** in Shoreham extending the life of running clothing run by Dan Lawson
- ▶ Regenerate– **Greenspaces** Transition Town Worthing creating growing spaces for the community
- ▶ Share– **Freedom Works** shared office space with support services in Worthing.
- ▶ Exchange– **Donkey Republic** bike share platform in Worthing where you pay by usage



The launch of the bike hire scheme, Donkey Republic, in Worthing. Picture by David Smith SUS-170629-162115001

The Workshop Challenge





Workshop



- ▶ Identify how a business (it could be one you are involved with or one you know of) might use the RESOLVE template to become more circular
- ▶ Use the post-its and large templates around the room to capture your ideas. The template represents a generic business so make your focus ideas of how a business could change in those 4 areas. If the type of business is important to the change record it on the post-it with the change.
- ▶ You have 35 Mins to post your ideas.

Useful Resources

Ellen MacArthur Foundation	https://www.ellenmacarthurfoundation.org/
WRAP	http://www.wrap.org.uk/about-us/about/wrap-and-circular-economy
Circular Economy Toolkit	http://circulareconomytoolkit.org/
The Circulars global award scheme of the World Economic Forum:	https://thecirculars.org/
The Circular Design Guide	https://www.circulardesignguide.com/
Sustainable Business Partnership	https://sustainablebusiness.org.uk/
Circular Economy in Fashion	https://www.ellenmacarthurfoundation.org/publications/a-new-textiles-economy-redesigning-fashions-future
Green Growth Platform Brighton University	https://www.brighton.ac.uk/business-services/green-growth-platform/index.aspx



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Ideas for Circular Business using RESOLVE

