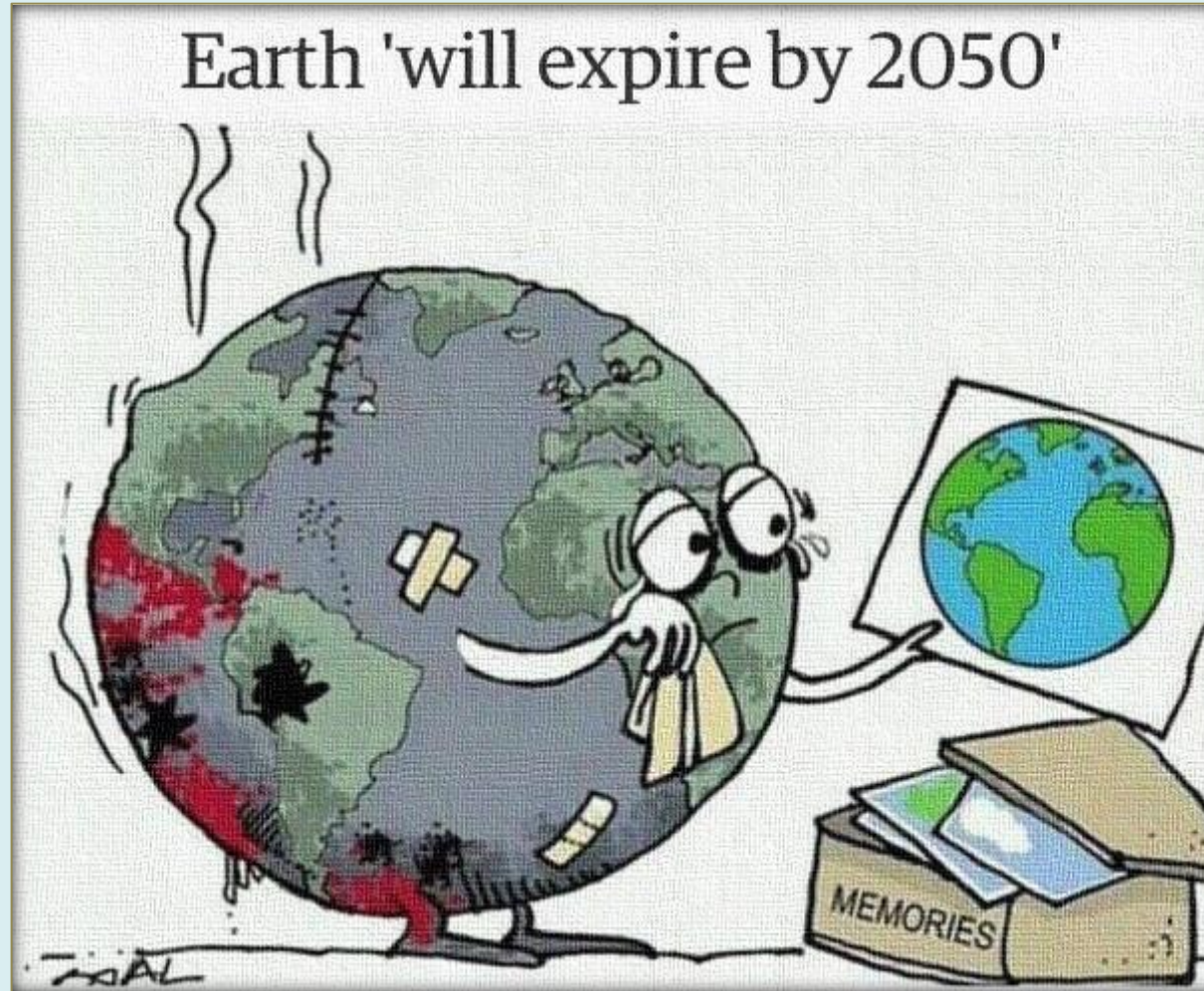


Developing a Circular Economy Strategic Framework for Northern Ireland

Northern Ireland Resources Network – 24 March 2022
Alberta Pauley, DfE



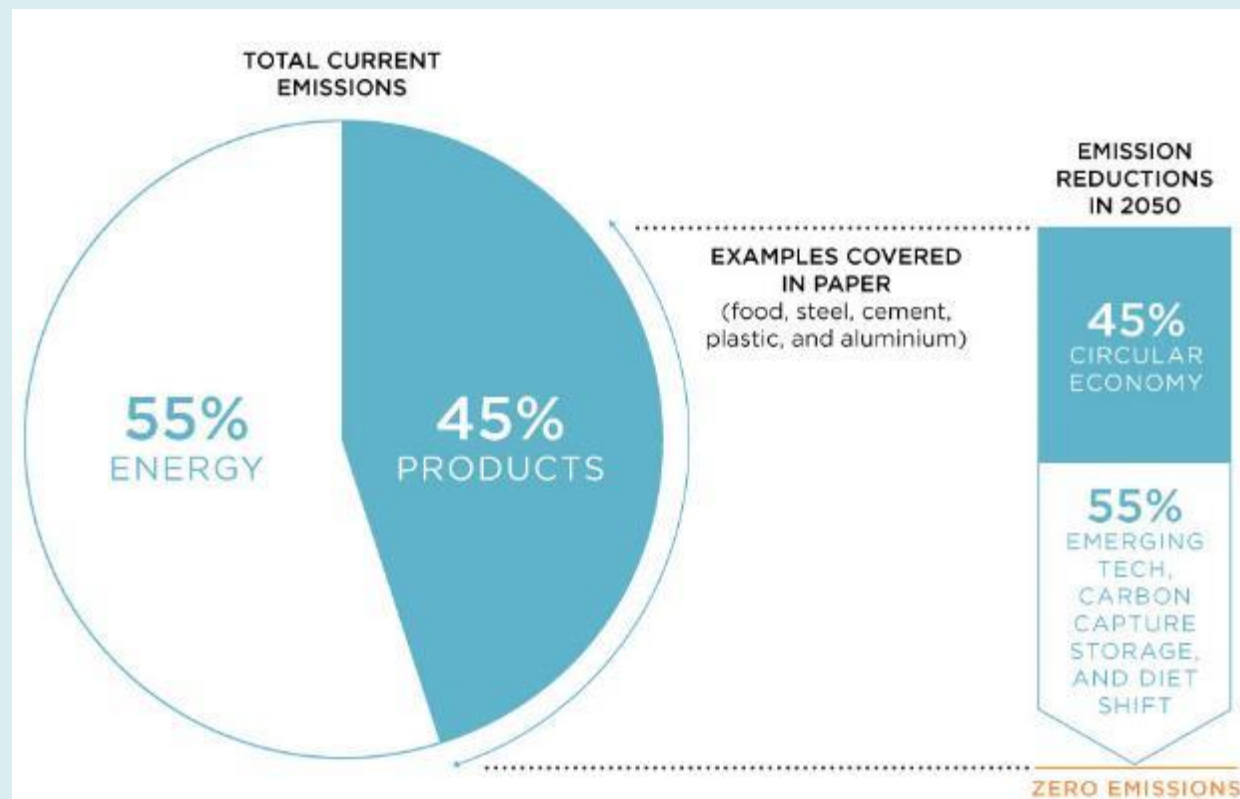
The need for 'One Planet Living'



The three principles of a Circular Economy



The role of CE in tackling Climate Change



Underpinned by a transition towards renewable energy, a circular economy can help tackle the overlooked 45% of emissions by transforming the way goods are made and used.

<https://ellenmacarthurfoundation.org/completing-the-picture>

Circular Economy Strategic Framework

Aims

- > Increased **collaboration** and partnership working;
- > More joined-up activity;
- > Enhanced **understanding** of the NI CE ecosystem;
- > A clear **vision and ambition**;
- > A stronger **evidence base** to support the challenges and opportunities;
- > A central repository for CE activities to provide information and advice.



CESF Focus Areas

BUSINESS SECTORS

CONSTRUCTION & BUILT ENVIRONMENT

TOURISM

BIO-ECONOMY

ADVANCED MANUFACTURING

MATERIAL FLOWS

FOOD

TEXTILES

ELECTRICALS

PACKAGING - PLASTICS, PAPER,
CARDBOARD, GLASS

Evidence Base



Policy Review and
Analysis

**CIRCULAR ECONOMY
STRATEGIC FRAMEWORK**
CALL FOR EVIDENCE

Circular Economy
Enablers

Policy Review and Analysis



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Investment
Board**

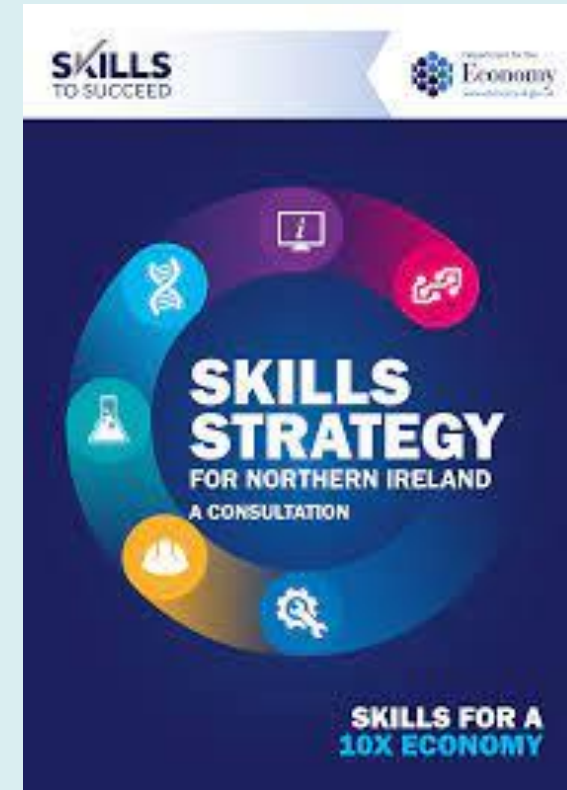
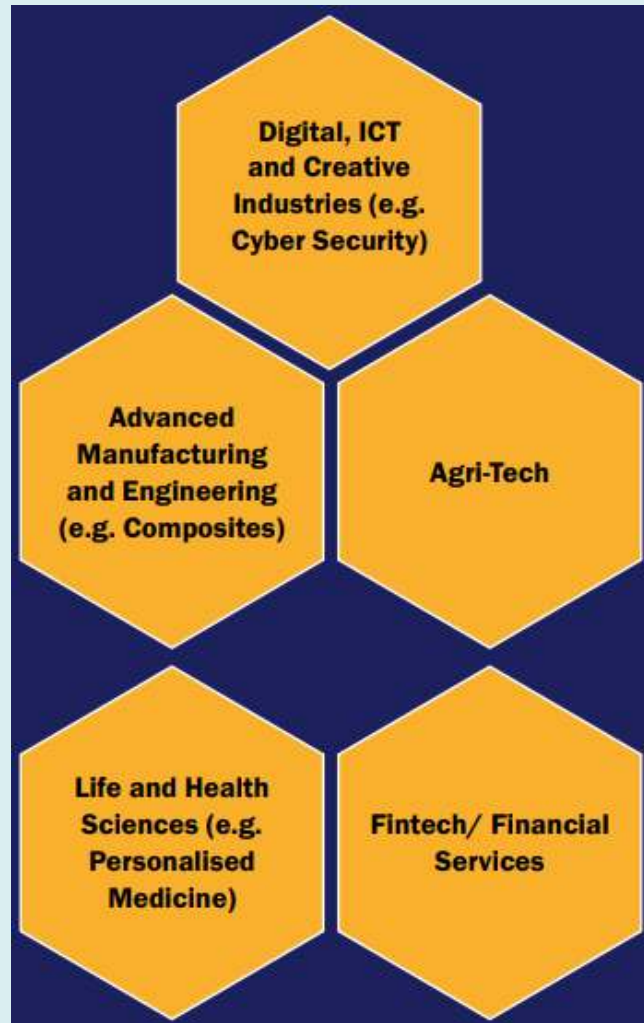




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Policy Review and Analysis



Barriers to circularity



Department for the
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Investment
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Lack of leadership, vision and funding from government

Need greater **collaboration** across value chains – we need to form new partnerships

Our systems for measuring material use are not fit for purpose

Lack of investment in research and innovation

Lack of awareness and skills

Circularity is not taught at school

Repair and refurbishment is not sufficiently valued

Public procurement currently supports linear business models

Collaboration across sectors is not possible without proper networks in place

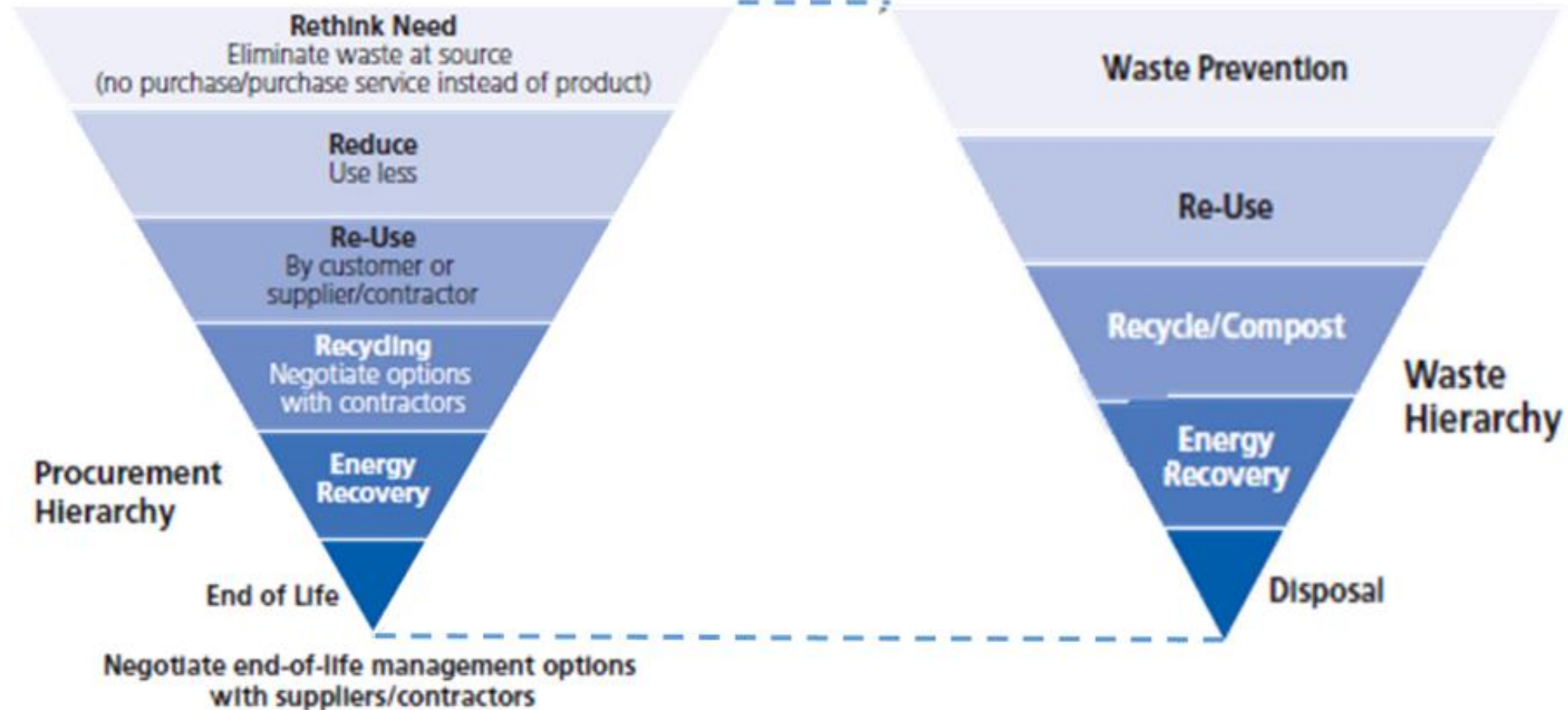
There are no incentives for industry to source regenerative materials while virgin materials are cheaper

Circular Procurement



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Circularity Gap Report Northern Ireland

The CGR Northern Ireland aims
to:



- Apply the global circularity metric to the economy of Northern Ireland to provide a first baseline;
- Identify key levers for transitioning to circularity in Northern Ireland, as well as systemic blockages;
- Scenarios and interventions;
 - Circular built environment
 - Circular food system
 - Circular manufacturing
 - Clean mobility
 - Circular public procurement
 - Sustainable tourism
 - Circular lifestyle

Opportunities to support Reuse and Repair

Increase awareness and education on the impact of wasted products and materials to evoke behavioural change

Fund research and innovation to improve the sustainability of supply chains and encourage the take up of more CE business models.

Procure local suppliers through government contracts.

Develop markets for secondary consumer products

Upskill workforce in deconstruction/repair/reassembly

GOAL ONE
STIMULATE DESIGN FOR
THE CIRCULAR ECONOMY

GOAL TWO
MANAGE
RESOURCES
TO PRESERVE
VALUE

GOAL FIVE
COLLABORATE FOR
SYSTEM CHANGE

GOAL FOUR
INVEST IN INNOVATION,
INFRASTRUCTURE,
AND SKILLS

GOAL THREE
MAKE THE
ECONOMICS WORK



Recommendations



Universal circular economy policy goals

Enabling the
transition to scale



Next Steps

**Publish CGR May
2022**

**Consult Steering
Group & Coalition
on draft CESF
June 2022**

**Public
Consultation
Autumn 2022**

**Publish CESF
Spring 2023**