

The Future of Food: Unlocking Net Zero

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> "Zero Waste Scotland...a lighthouse for the circular economy" Walter Stahel, circular economy pioneer

The unsustainable space:



Informed activity:



A sustainable future:

A coherent approach to explore synergies across biobased industries such as sustainable protein innovations could enable significant economic, environmental and ecological co-benefits both within and between sectors

Holistic approach

Sustainable activity and circular economy align and accelerate, new value chains develop which enable and enhance co-benefits

TIME

Improving: Land Water Ecosystems Biodiversity Resource efficiency Restorative capacity Ecosystem services Food security

> A sustainable future at national and global levels <u>is possible</u>

Decreasing:

Sustainable Future

Consumption Resource demand Conflicting needs (eg. Bioenergy) Food Waste Pollution Climate change

National protein strategies



While each protein plan is unique to its region, the report identifies several common features:

- Extensive stakeholder engagement and collaboration throughout development and implementation
- Reduce environmental impacts of feed and food supply chains
- Increase domestic protein production to reduce dependence on imported soy and associated negative impacts
- Integrate circular economy principles and platforms to optimise biomass resources and residues within and between sectors
- Accelerate innovation and sustainable product development to capitalise on market trends and sub-sector growth
- Mobilise public and private finance to support agriculture's low carbon transition
- Legislative and policy reform to support agriculture's transition to circular economy

The Circular Bioeconomy













Next steps:

- 1. Continue to advance Net Zero in the context of sustainable protein production
- 2. Increase awareness of activity already underway and benchmark progress
- 3. Seek consensus on common goals within and between sectors
- 4. Identify and support key targets for innovation
- 5. Initiate conversations:
 - Discuss and progress actions to advance sustainability, resilience and adaptation
 - Gather evidence and views on priorities and next steps
 - Create opportunities by working together
 - Develop framework for delivery





















Thankyou! Questions?

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