Driving Food Loss & Waste reduction- European & Australian experience

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WRAP
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EU, UK & Australia food Loss & Waste

- EU wastes 58 Mt/y
  - 54% from Households
  - 21% from Processing and Manufacture
  - 9% Hospitality & Food Service

- UK baseline was 11.1 Mt/y
- UK loss from Primary Production is circa 1.6 Mt/y
- Australia 7.6 Mt/y -32% in homes

UK Data

Household 72%
Manufacture 17%
Catering 8%
Retail 3%
Food waste targets

- EU Farm to Fork Strategy 50% reduction
- Draft mandatory targets- 30% for retail, hospitality & food service, 10% manufacturing
- UK has 50% food waste reduction target by 2030
- Australia has 50% food waste reduction target by 2030
- Delivery lead by End Food Waste Australia
Food Loss & Waste Hierarchy

Prevention
- Waste of raw materials, ingredients and product arising is reduced – measured in overall reduction in waste
- Redistribution to people
- Sent to animal feed
  - Bio based materials / biochemical processing

Recycling
- Anaerobic digestion / codigestion
- Composting / aerobic processes
- Land application
- Not harvested / ploughed in

Recovery
- Incineration of waste with energy recovery

Disposal
- Waste incinerated without energy recovery
- Landfill
- Sewer / wastewater treatment
- Refuse / discards

Source: WRAP
Successful approaches to tackling food loss & waste:

- Policy & Regulation
- Public Private Partnerships
- Encouraging capital investment
- Behaviour Change Campaigns
Enabling Environment

- (legally-binding) targets
- Landfill bans
- Landfill/incinerator tax escalator
- Regulations on food donation & animal feed
- Regulations on date labels
- Separately collected food waste
- (Mandatory) measurement & reporting for businesses
- Regulate supply chain contractual relationships
Set a goal that aligns with SDG Target 12.3 to halve FLW by 2030.

Measure FLW to understand how much, where and why it is occurring. Monitor progress and report.

Start implementing practices, programmes and policies to reduce FLW.
Most of UK food sales are covered by the membership of the Courtauld Commitment 2030.
The story of 100 potatoes

- In field: 2 potatoes
- Grading: 9 potatoes
- Storage: 3 potatoes
- Preparation: 20 potatoes
- Spoilage in kitchen: 9 potatoes
- Eaten: 25 potatoes
- Plate waste: 15 potatoes
- Packing & transport: 17 potatoes

Total: 100 potatoes
Citizen Behaviour Change
Increasing Redistibution of surplus food in UK:

- Industry & food bank working group
- Build food bank supply chain
- Capital grants
- Increased 3-fold 2015-2021

400 million meals worth £590 million redistributed in 2022 (170 kt/year)
Reducing FLW in the UK

UK Households and Business: 2018
- 31% less per capita household
- 13% less per capita businesses

Overall: 2007 – 2018
- 1.7 Mt/y reduction
- £4.7bn/y saved

By 2022:
- 26% reduction in retail and 34% manufacturing

27% less per capita
2007-18

27% less per capita
2007-18
Reduction in the Netherlands (2022)

• 17 % Retail
• 30% in Household

Australia reporting later this year

15 countries in Europe countries have PPPs & another 6 operational worldwide
Conclusions

We can reduce FLW substantially by combining:

• Policy & Regulation
• Public Private Partnerships
• Behaviour Change Campaigns
• Encouraging investment

Our challenge is to inspire more countries to act & to deliver more impact, more rapidly