FUSIONS experiences in food waste quantification and recommendations for the future

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Reducing food waste through social innovation

FUSIONS Harmonised Framework 2016

- Standard approach on how to define food waste
- Food Waste Quantification Manual.
- A very first set of criteria for the assessment of some socio-economic & environmental impacts
- Estimate of current EU28 food waste arisings

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Benefits of a harmonised framework

- SDG12.3
- National environmental goals
- Voluntary agreements

- Informed policy decisions
- Incitement to invest in quantification systems
- Harmonize research and knowledge development

EU 28 has large ambitions reducing food waste

..but the current quantification methodologies are not in phase with the ambition.
Approach developing FUSIONS recommendations

- State-of-the-art
- Reference points for the framework
- Consultation Piloting
- Framework
- Definitional framework
- Manual
- European food waste estimates
- Estimates of selected environmental and socio-economic impacts
- Report on food wasted drivers

FUSIONS definition in relation to resource efficiency

- Food Supply Chain as defined in FUSIONS
  - Prevention
    - Food banks
  - Valorisation and conversion in other supply chains
    - Animal feed
    - Other supply chains
  - Food waste
    - End-of-life treatment
      - Energy: Fuel, electricity, heat
      - Composting
      - Landfill

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Results: FUSIONS definitional framework

Food waste: Any food and inedible parts of food, removed from the food supply chain to be recovered or disposed to B3-B11, describing different end of life treatments.

Results: Food waste quantification manual

- Quantifying food waste in each sector (i.e. stage) of the food chain
- Combining sectorial quantifications using a common framework at national level
- Reporting the results of the national food waste quantification study at country level in a consistent and comparable manner.

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Results: Manual for food waste statistics

- FUSIONS definition
- Core requirements and optional recommendations
- General section and Dedicated sections for each stage in the food supply chain
- Harmonised with the FLW-protocol

FLW PROTOCOL

A multi-stakeholder effort to develop a global
FLW Accounting and Reporting Standard
A global standard that provides requirements and guidance for quantifying and reporting on the weight of food and/or associated inedible parts removed from the food supply chain—commonly referred to as “food loss and waste”—in a credible, practical, transparent, and consistent manner.
HOW FLW STANDARD AND FUSIONS’ QUANTIFICATION MANUAL COMPARE

FLW Accounting and Reporting Standard

• Global
• Defines components
• Provides guidance
• Establishes requirements
• Voluntary
• Multi-stakeholder
• Consensus based

FUSIONS Food Waste Quantification Manual

• EU Member States
• Defines which destinations are “food waste”

Results: New food waste estimates for EU28

• 88 (± 14) million tonnes of food waste per year
• Equivalent of 20% of all produced food in EU
• 143 billion euros
• ~ 304 Mt CO2 eq (6% of total emissions of GHG in EU28%)
• 173 kilograms of food waste per person

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Future

- All results are available on our home page (www.eu-fusions.org)

..our since hope that our results and competences developed will contribute to a EU28 taking the lead for reducing food waste

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