

From Harmonised Measurement to  
Strategic Action:

# FUSIONS' Framework, dataset and recommendations

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May 19, 2016



# 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

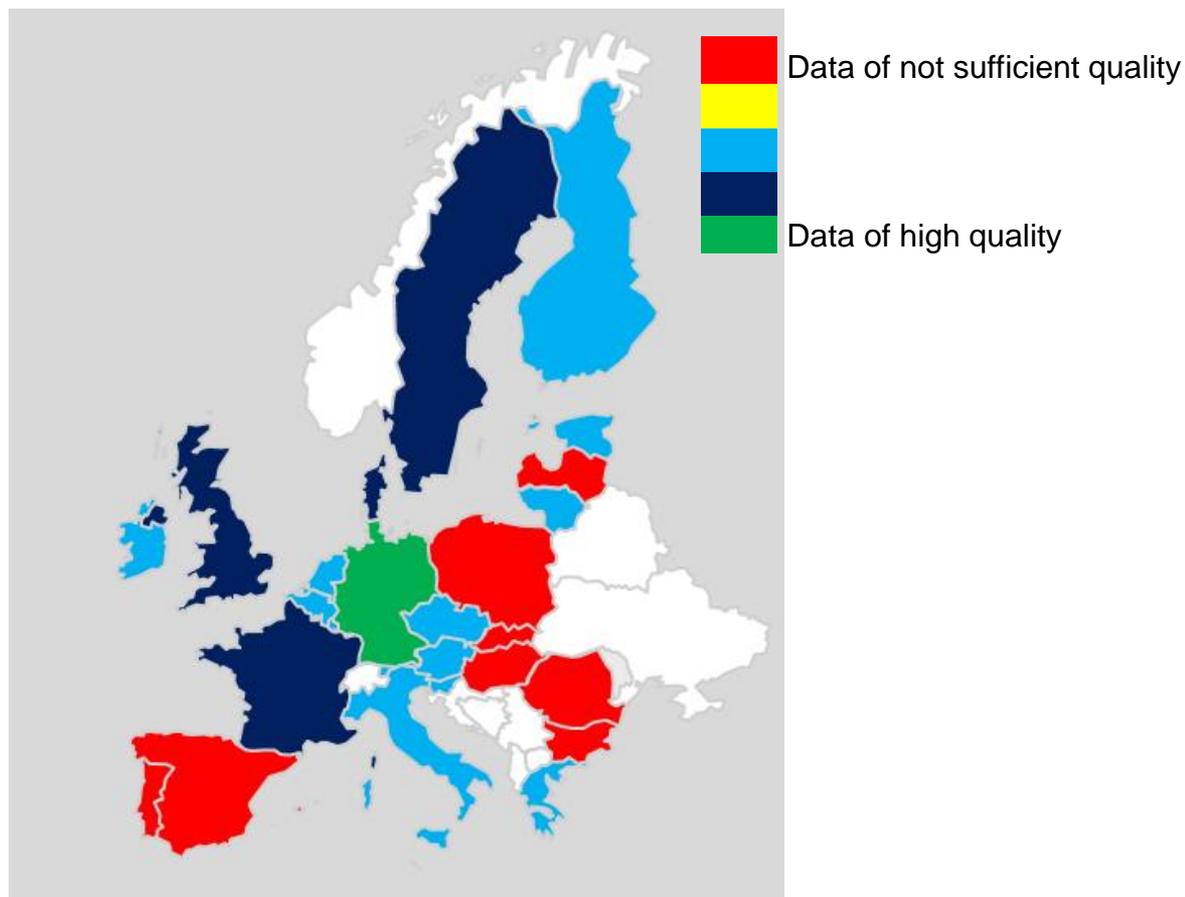
- EU28: Circular economy package (2015)
- SDG12.3
- National environmental goals
- Voluntary agreements



- 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.



# FUSIONS 2012



The situation was much more unclear

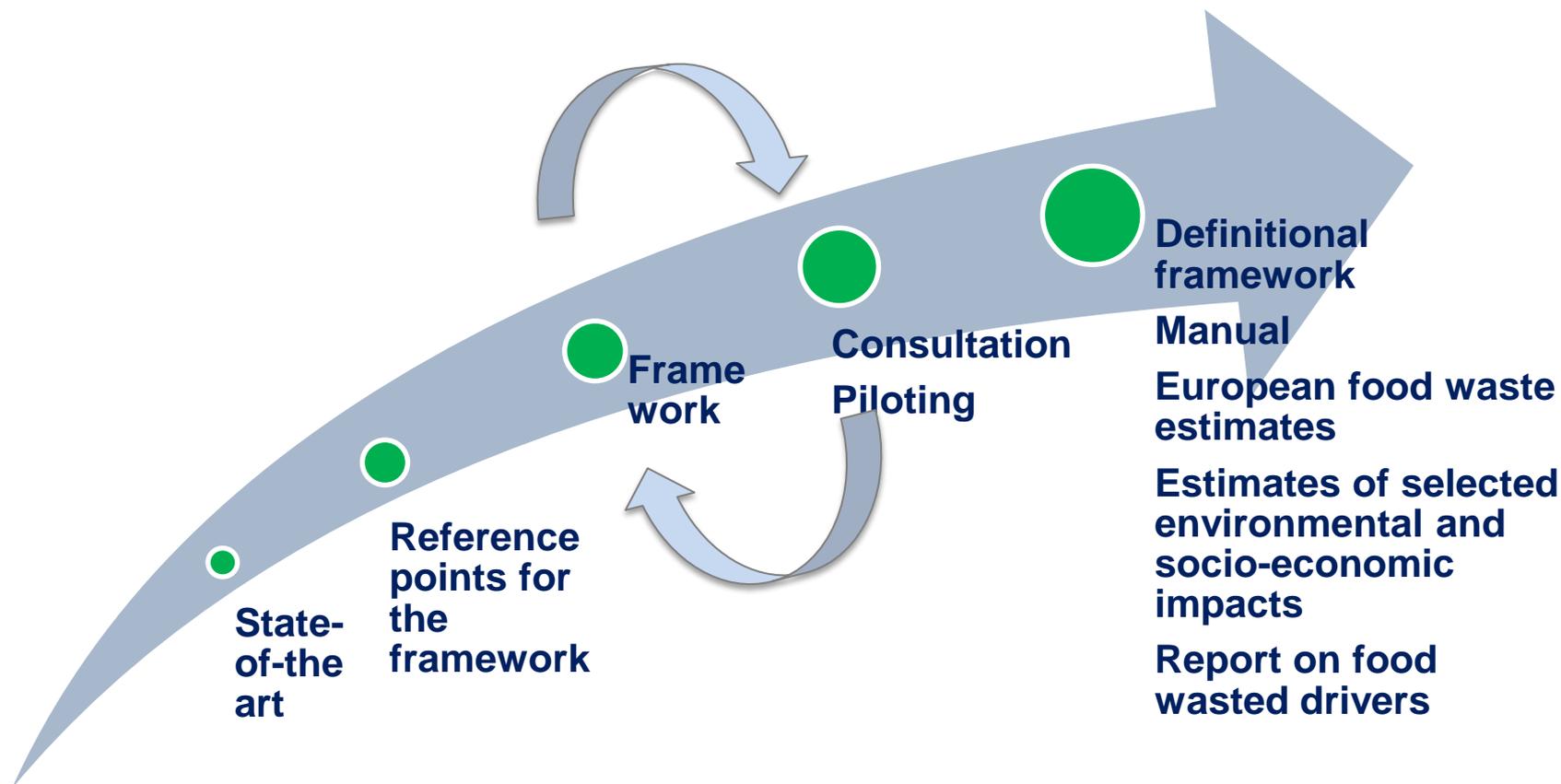
- Non binding target
- Some indicative studies
- A multitude of definitions



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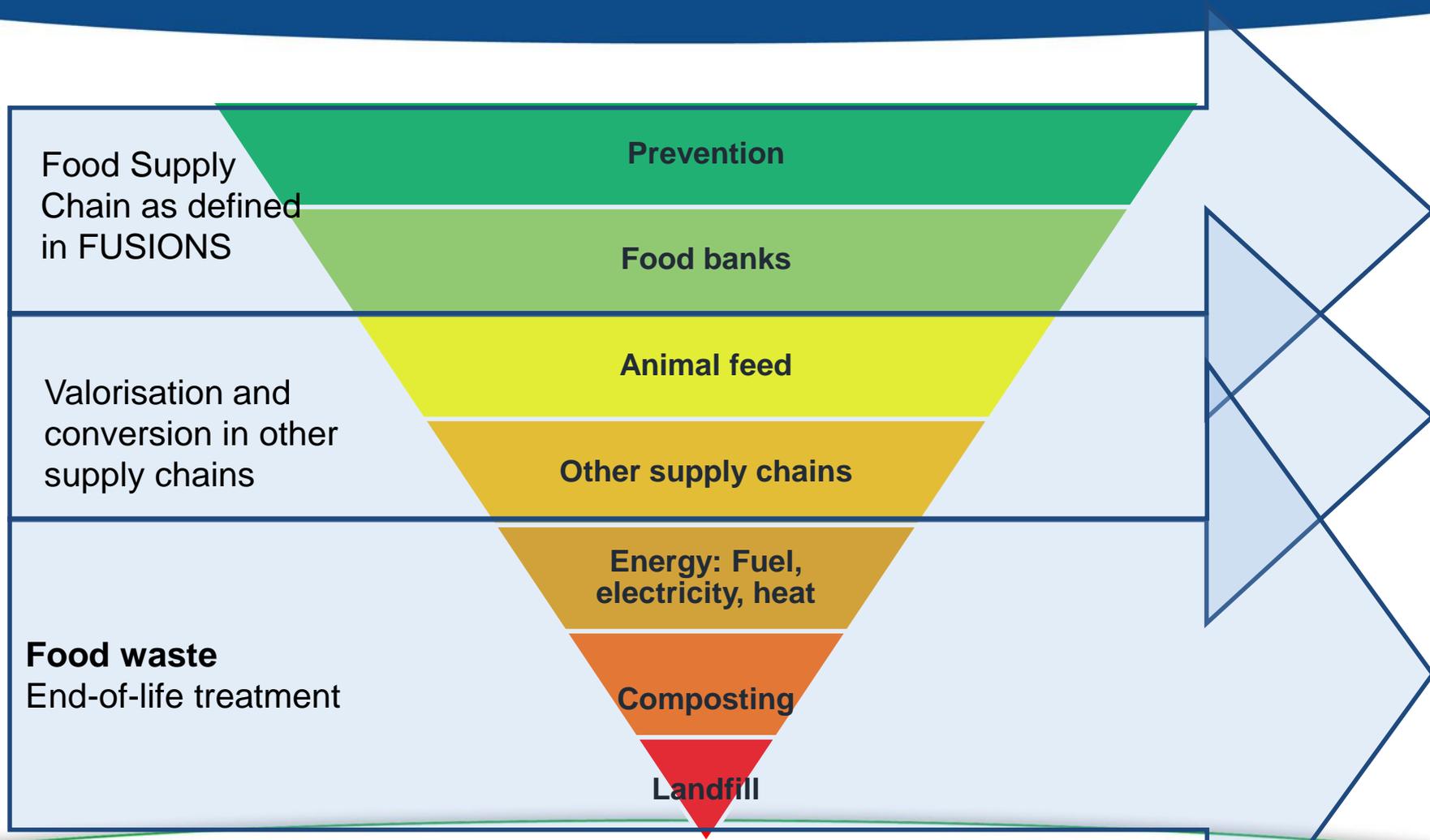
# Approach developing FUSIONS recommendations



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# FUSIONS definition in relation to resource efficiency

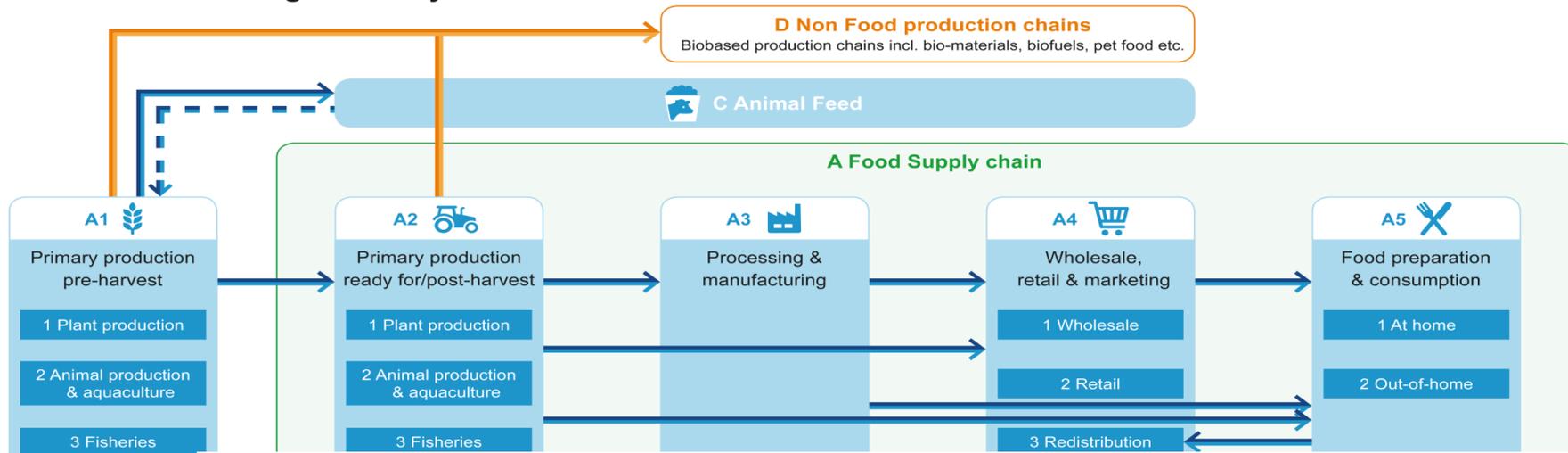


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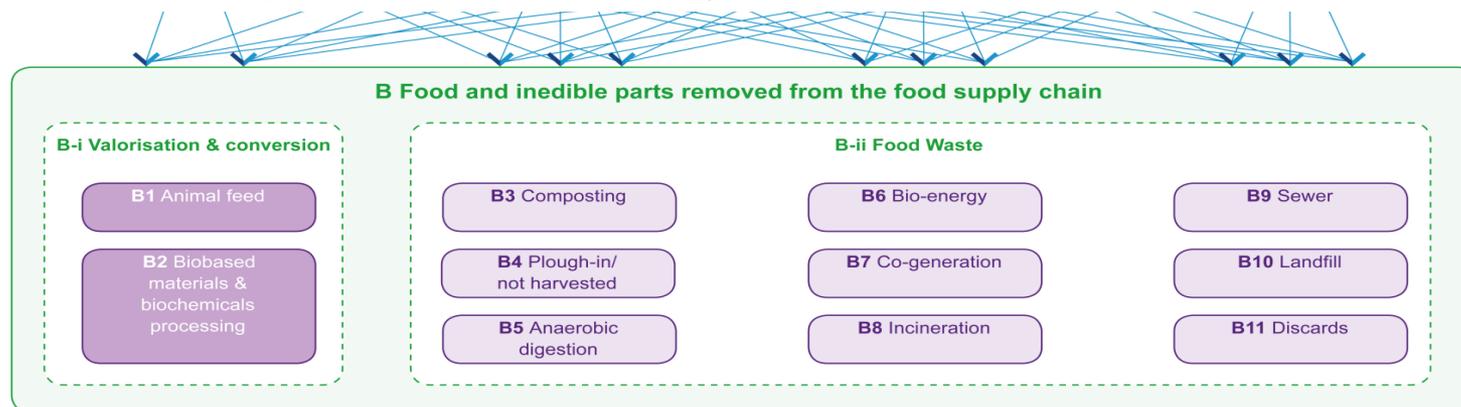


# Results: FUSIONS definitional framework

## Resource flows in Agri-Food System



**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.

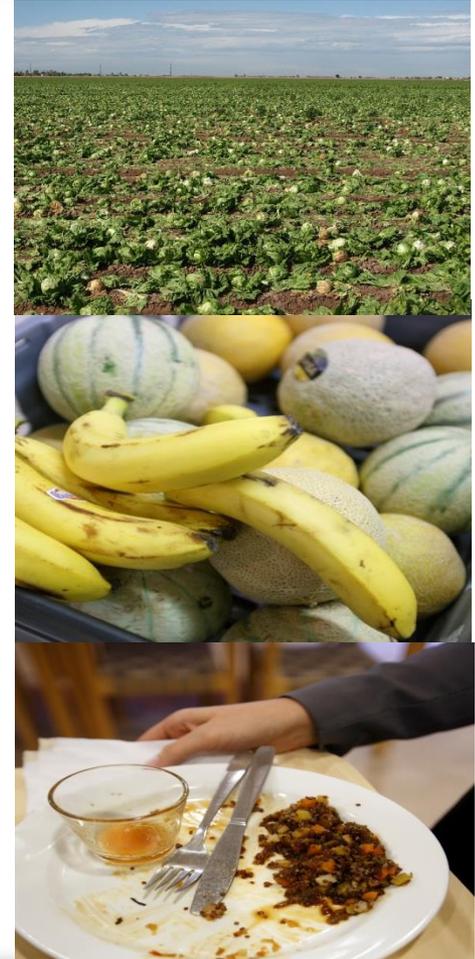


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# Results: Manual for food waste statistics

- 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

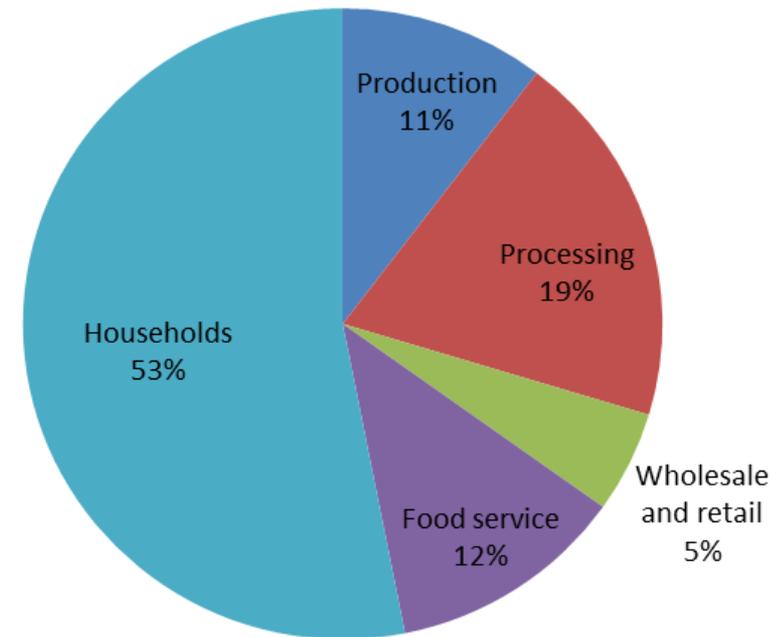


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# Results: New food waste estimates for EU28

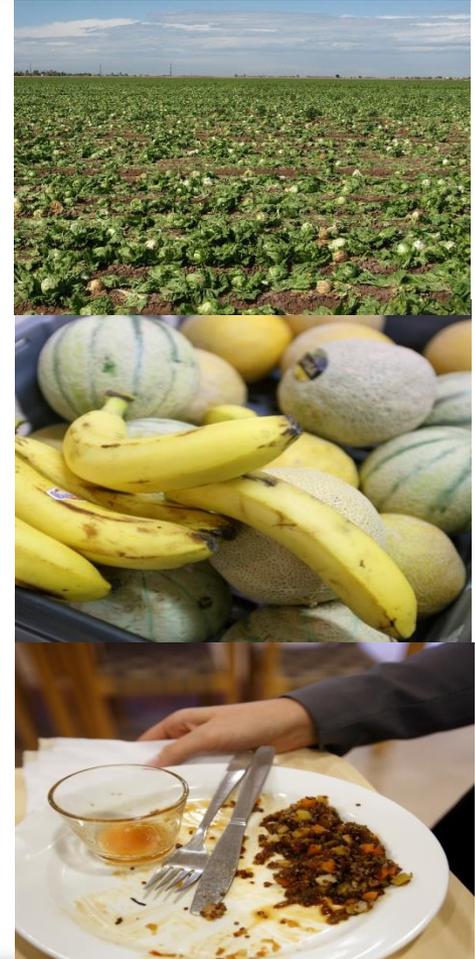
- **88 ( $\pm 14$ )** million tonnes of food waste per year
- Equivalent of **20%** of all produced food in EU
- **143** billion euros
- **~ 304 Mt CO2 eq** (6% of total emissions of GHG in EU28%)
- **173** kilograms of food waste per person



# Next step

- Hand over our results to EC to be further developed
- Make all results available on our home page ([www.eu-fusions.org](http://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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# Special thanks to

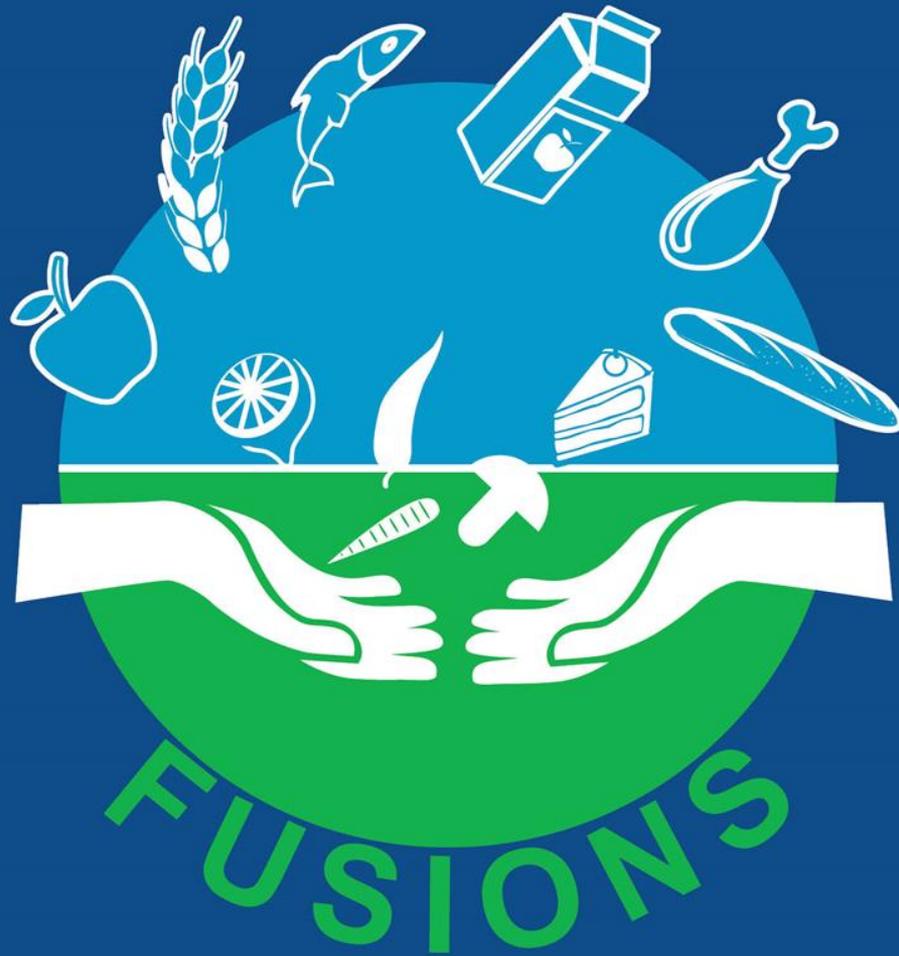
- **FUSIONS team in particular the task leaders and members of the working groups of the methodological WP**
- **Advisory board**
- **Eurostat**
- **The stakeholder platforms**
- **Piloting countries: Flanders, Ireland, The Netherlands, Norway, Slovak Republic, Sweden and UK**
- **The FLW protocol team**
- **All that have provided with constructive support and inputs during the work done**

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