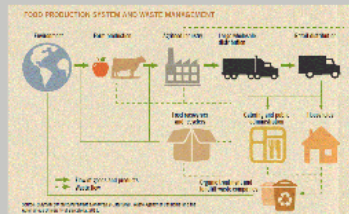


Assumptions used for food waste estimation from households, retail and food service in Catalonia



Assumptions concerning the scope and methodology :

- liquid food is not counted, only solid food is considered in estimations
- seasonality in food waste and food wastage production is denied
- direct escalation of the sample to estimate the total wastage of the country.
- direct relationship between retail surface area and food waste and wastage generation
- food waste and wastage for households comes from the whole countries' figure less the retail's sectors ones.
- food waste and wastage in households and food service is weighted using their food consumption weightings.

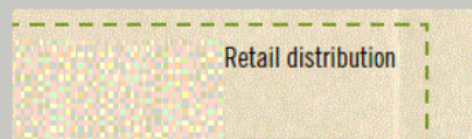
Assumptions concerning food analysis:

- all food waste and wastage is collected by municipalities and private firms and managed in official waste facilities
- food waste and wastage is only found in the organic fraction and in the non segregated fraction of the municipal waste collection service
- food thrown in the non segregated bin and the organic bin has similar food waste profile composition
- personnel conducting food analysis performs equally
- the unrecognizable food waste found in analysis is allocated following the same pattern that the recognizable part of the sample
- municipality collection routes selected are representative for all the country

Conclusions

- Data are necessary to set up policies on food waste/wastage prevention
- When the goal is to get food waste/wastage quantitative estimations, research based on food waste/wastage samples with all their heroic assumptions are preferable to surveys based on people's questionnaires
- Quality data is a necessary condition to provide good diagnosis, plans and programs on food waste/wastage
- Public powers cannot complain about lack of information about food waste/wastage if they do not require that data to food supply chain actors
- Transparency is obliged for all the actors of the supply chain
- Transparency is both providing data and showing up how does this data has come up (methodology). Accountability principle.
- Research on food waste/wastage must be accountable

Asumptions used for food waste estimation from households, retail and food service in Catalonia



Retail distribution



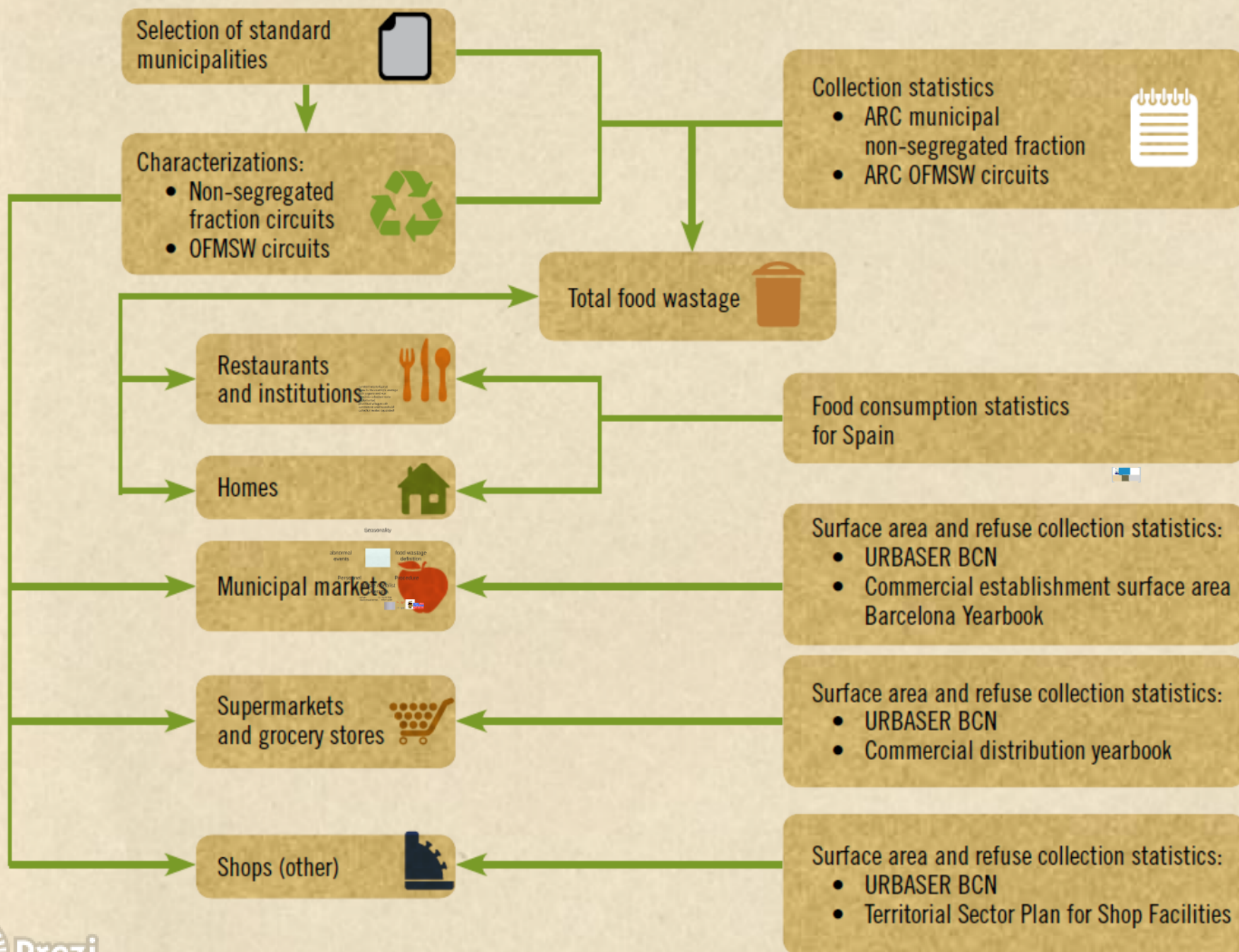
Catering and public
administration



Households



Organic treatment and
landfill waste companies



Restaurants
and institutions



Homes



Municipal markets



Supermarkets
and grocery stores



Shops (other)



Food consumption statistics
for Spain

food waste and food
wastage are directly
related to food
consumption

Surface area and refuse collection statistics:

- URBASER BCN
- Commercial establishment surface area
Barcelona Yearbook

Surface area and refuse collection statistics:

- URBASER BCN
- Commercial distribution yearbook

Surface area and refuse collection statistics:

- URBASER BCN
- Territorial Sector Plan for Shop Facilities

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