Food Balance Sheets (FBS)

FBS component: Additional Parameters
Learning objectives

At the end of this session, the participants will know:

What additional parameters are

What’s the rationale behind the best option among different sources

What FAO recommendations are

International recognized standards
Outline

FBS component - additional parameters:

1. Population Estimates
2. Nutrient Estimates
3. Extraction Rates
4. Processing shares
FBS component - additional parameters:

1. Population Estimates

Two options for country FBS compilers:

i. *Domestically produced population estimates*

i. *Internationally-standardized population estimates from UNPD (FAO recommended option)*
FBS component - additional parameters:  
1. Population Estimates

Why UNPD is the best option?

✓ Internationally recognized methodology

✓ Easier comparison between countries

✓ UNSD estimates are used for many development initiatives (E.g. SDGs)

✓ Publicly available dataset
  https://esa.un.org/unpd/wpp/
FBS component - additional parameters:  
2. Nutrient Estimates

Energy expressed in Kcal - Protein expressed in grams - Fat expressed in grams

There are many sources on nutrient content, but two international sources should be noted:


FAO recommendations: national estimates should always be the first option
FBS component - additional parameters: 3. Extraction rates

Definition of extraction rate (ER)

- An ER may vary by country according to the technology used
- ERs may increase over time but it is advisable to hold them fixed

Reasons for holding the ERs fixed:
» Only in few rare instances it’s possible to calculate the ER endogenously
» Tendency of underestimating the ER
» Helps the standardization process
3. Extraction rates

FAO Recommendations:

1. FBS compilers should ask directly to domestic processors for a periodic review.

2. Last resort: FAO handbook on technical conversion
FBS component - additional parameters:

4. Processing shares

- Processing shares are extremely dependent upon the structure of each country’s supply chains.

- As such, there are no international sources that can be consulted.

- Recommendations:
  
  I. *FBS compilers should consult any available value chain analysis.*

  II. *Industry experts may also be consulted to provide insight into the supply chain that would assist in estimating shares.*
References

- *Guidelines for the compilation of Food Balance Sheets* (FAO, 2017), chapter 3.5, section 3.5.12 (Global Strategy & FBS Team)

- *The FAO source book for the compilation of Food Balance Sheets* (FAO, 2016) (Global Strategy & FBS Team)
THANK YOU!

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