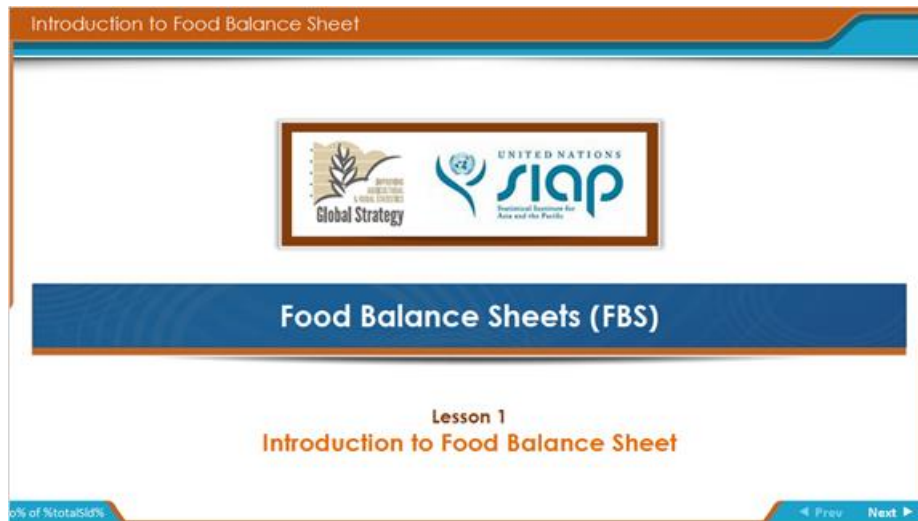


Food Balance Sheets (FBS) - Module1

1. Module 1

1.1 Welcome



Notes:

Welcome to the Food Balance Sheet (FBS) course. This course will help you to understand basic concepts and main uses related to FBS, as well as the process of compiling FBS. This course consists of 11 lesson equipped with exercise and assessment test that will take place at the end of the course.


1.2 Lesson objective

Introduction to Food Balance Sheet

Lesson objective

In this lesson we will learn about the Food Balance Sheet (FBS) with respect to:

1. Historical background of the FBS framework;
2. Potential uses of FBS;
3. Basic Supply Utilization Account (SUA)/FBS equation;
4. Major caution on FBS interpretation;
5. Fundamental principles in constructing FBS.



0% of 10 total slides Click NEXT to continue. < Prev Next >

Notes:

1.3 Outline

Introduction to Food Balance Sheet

Outline

- Introduction.
- History.
- Definition of FBS.
- Potential uses.
- Caution in interpreting FBS estimates
- Fundamental principles in constructing FBS



0% of 10 total slides Click NEXT to continue. < Prev Next >

Notes:


1.4 Introduction

Introduction to Food Balance Sheet

Introduction

Statistically sound, reliable data on food and agriculture is needed to understand the current situation of agriculture and food supplies within any given country.

This data is also needed to track progress against established development goals, and inform future evidence-based policy decisions.



0% of 10 total slides Click NEXT to continue. < Prev Next >

Notes:

1.5 Introduction

Introduction to Food Balance Sheet

Introduction

Particularly in the context of the Sustainable Development Goals (SDGs), the value of reliable, globally comparable agricultural data to measure progress against certain targets is being realized.



0% of 10 total slides Click NEXT to continue. < Prev Next >

Notes:

1.6 Introduction

Introduction to Food Balance Sheet

Introduction



Through the Global Strategy to Improve Agricultural and Rural Statistics (also known solely as "The Global Strategy"), efforts have been made to develop and promote the most cost-effective means by which countries can collect data on various aspects of food supply and utilization, with the end goal of providing a better foundation for policy evidence-based decision-making.

The content of this course is based on the publication entitled "Guidelines for the Compilation of Food Balance Sheets" published by The Global Office of the Global Strategy to improve agricultural and rural statistics (GSARS). The Guidelines can be found on the GSARS web site: <http://gsars.org/en/guidelines-for-the-compilation-of-food-balance-sheets/>

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◀ Prev Next ▶

Notes:

1.7 Introduction

Introduction to Food Balance Sheet

Introduction



While data on agricultural production, imports, exports, or stocks can be valuable on their own, in isolation, none of these elements can accurately describe the complete food circumstances of a country. Only when all of these elements are combined into a holistic framework can meaningful conclusions be drawn regarding a country's food situation.

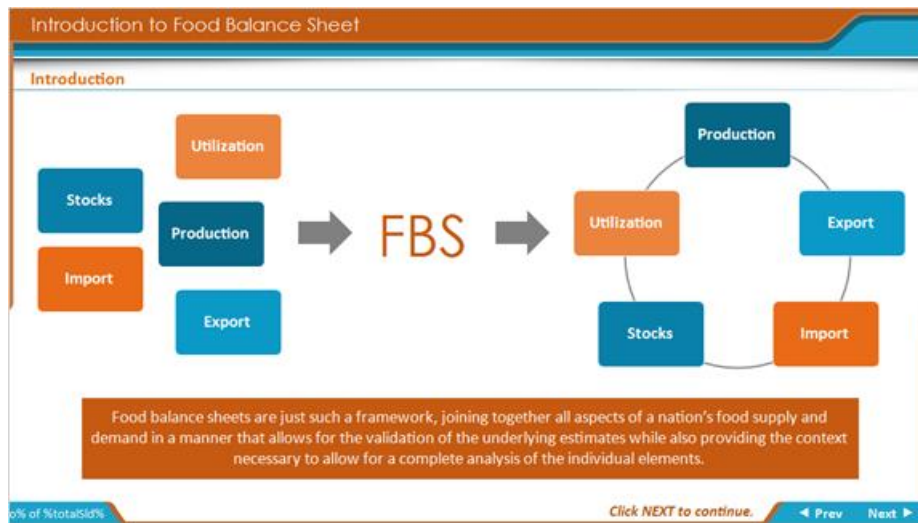
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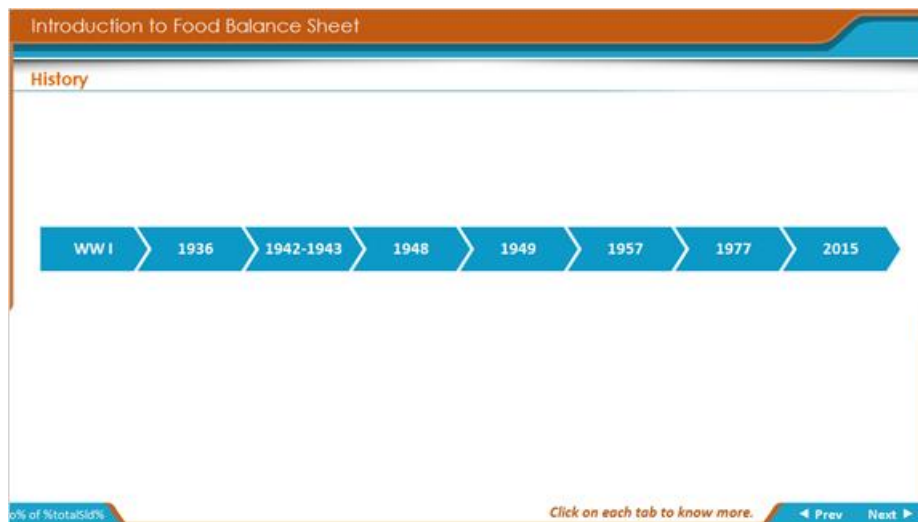
Notes:

1.8 Introduction



Notes:

1.9 History



Notes:

1.10 Definition of FBS

Introduction to Food Balance Sheet

Definition of FBS

What is Food Balance Sheet?

The food balance sheet (FBS) can be defined as an aggregated and analytical dataset that “presents a comprehensive picture of the pattern of a country’s food supply during a specified reference period”

0% of 10 total slides Click NEXT to continue. ◀ Prev Next ▶

Notes:

1.11 Definition of FBS

Introduction to Food Balance Sheet

Definition of FBS

Basic equation: →

SUPPLY = UTILIZATION
 $P + I - dSt = X + Fo + Fe + Se + T + IU + Lo + ROU + \text{food processing}$

Where:

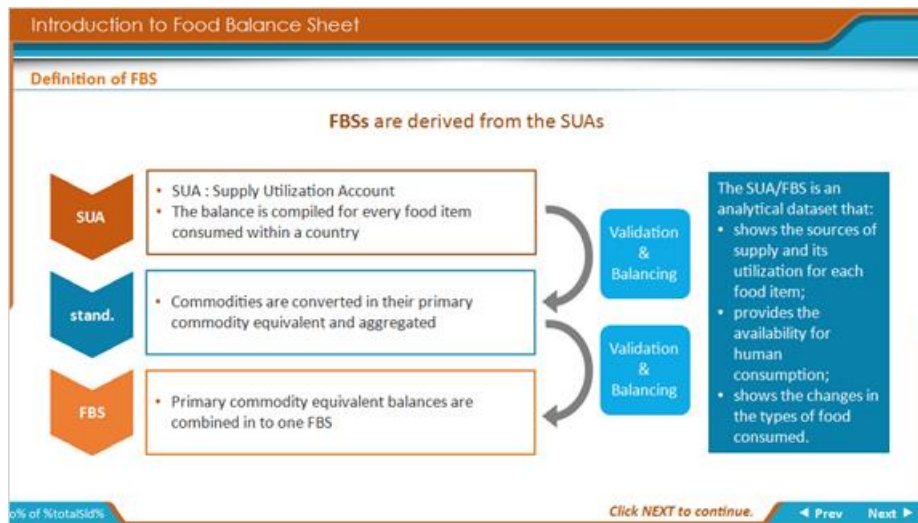
P = production	Se = seed
I = imports	T = tourist food
dSt = Change in stocks	IU = industrial Use
X = exports	Lo = loss
Fo = food	ROU = residual or other uses
Fe = feed	

The quantities allocated to all the sources of total supply—amount of the food item produced, the amount of the food item that is imported, and the amount of the item that is either added to or taken from stocks—must be equal to the quantities allocated to all the sources of utilization, which can include exports, losses along the supply chain, livestock feed, seed use, tourist food, food processing, industrial uses, other uses, and food available for consumption by a country’s residents.

0% of 10 total slides Click NEXT to continue. ◀ Prev Next ▶

Notes:

1.12 Definition of FBS



Notes:

1.13 Potential uses of FBS





Notes:

1.14 Caution in interpreting FBS estimates

Introduction to Food Balance Sheet

Caution in interpreting FBS estimates

Food availability, not food consumption	No accounting for distributional differences	Compatibility with household surveys	Commodity Balances and FBS
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0% of 10 total slides

Click on each tab to know more.

◀ Prev Next ▶

Notes:

1.15 Fundamental principles of FBS construction

Introduction to Food Balance Sheet

Fundamental principles of FBS construction

Compilers should adhere to three basic principles in order to ensure that their country-level FBS are, **reproducible, coherent, and transparent**.

Measurement First <ul style="list-style-type: none">It is recommended that countries first invest resources in improving measurement of input data before attempting to compile FBS	Document data and processes <ul style="list-style-type: none">It is essential that compilers document data sources, applied methodologies and solutions to identified data inconsistencies	Feedback and collaboration <ul style="list-style-type: none">Validation by multiple actors → Opportunity to improve input data
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0% of 10 total slides

Click NEXT to continue.

◀ Prev Next ▶

Notes:

1.16 Quiz 1

(Multiple Choice, 10 points, 1 attempt permitted)

Introduction to Food Balance Sheet

Quiz 1

Q 01

The food balance sheet (FBS) can be defined as an aggregated and analytical dataset that presents a comprehensive picture of the pattern of a country's food supply during a specified reference period.

Select one that apply.

☒ True

☐ False

SUBMIT

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◀ Prev Next ▶

1.17 Quiz 2

(Multiple Choice, 10 points, 1 attempt permitted)

Introduction to Food Balance Sheet

Quiz 2

Q 02

FBS are an accounting framework specific to food and agricultural product. FBS framework is very similar to the System of National Accounts (SNA) supply-use framework.

Select one that apply.

☒ True

☐ False

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◀ Prev Next ▶

1.18 Quiz 3

(Multiple Response, 10 points, 2 attempts permitted)

Introduction to Food Balance Sheet

Quiz 3

Q 03

One of the primary applications of FBS is the calculation of derived indicators using FBS data. Please select indicators below that can be calculated by using FBS data.

Select all that apply.

☒ Prevalence of Undernourishment (PoU)

☐ Food Insecurity Experience Scale (FIES)

☒ Import Dependency Ratio (IDR)

☒ Self-Sufficiency Ratio (SSR)

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Prev Next

1.19 Quiz 4

(Multiple Response, 10 points, 2 attempts permitted)

Introduction to Food Balance Sheet

Quiz 4

Q 04

Which of the following statements are true?

Select all that apply.

☒ Compiling FBS over a period of years will allow users to track changes in the food supply over time, including estimated total caloric availability, growth of consumption in new product, and general changes in dietary composition

☒ FBS contains aggregated estimates of both a primary commodity *and* all of its derived products (expressed at the primary commodity equivalent level)

☐ Estimates derived through an FBS framework represent not only an overall average quantity within a country of either food or nutrient availability but also other underlying trends in consumption amongst disparate groups of people within the same country

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Prev Next

1.20 Quiz 5

(Multiple Response, 10 points, 2 attempts permitted)

Introduction to Food Balance Sheet

Quiz 5

Q 05 Please select basic principles in order to ensure that their country-level FBS are, **reproducible**, **coherent**, and **transparent**.

Select all that apply.

- ☒ Measurement First
- ☒ Document data and processes
- ☒ Feedback and collaboration

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◀ Prev Next ▶


1.21 Conclusion

Introduction to Food Balance Sheet

Conclusion

You have finished lesson 1.
In this lesson, we have discussed:

1. Historical background of the FBS;
2. Potential uses of FBS;
3. Basic equation of FBS;
4. Caution on FBS interpretation;
5. Principles in constructing FBS.



Click NEXT to continue.

◀ Prev Next ▶

Notes:

1.22 Thank You

Introduction to Food Balance Sheet



Food Balance Sheets (FBS)

Thank You!

0% of 10 total slides

◀ Prev Next ▶

Notes: