Definitions and Purposes of Integration

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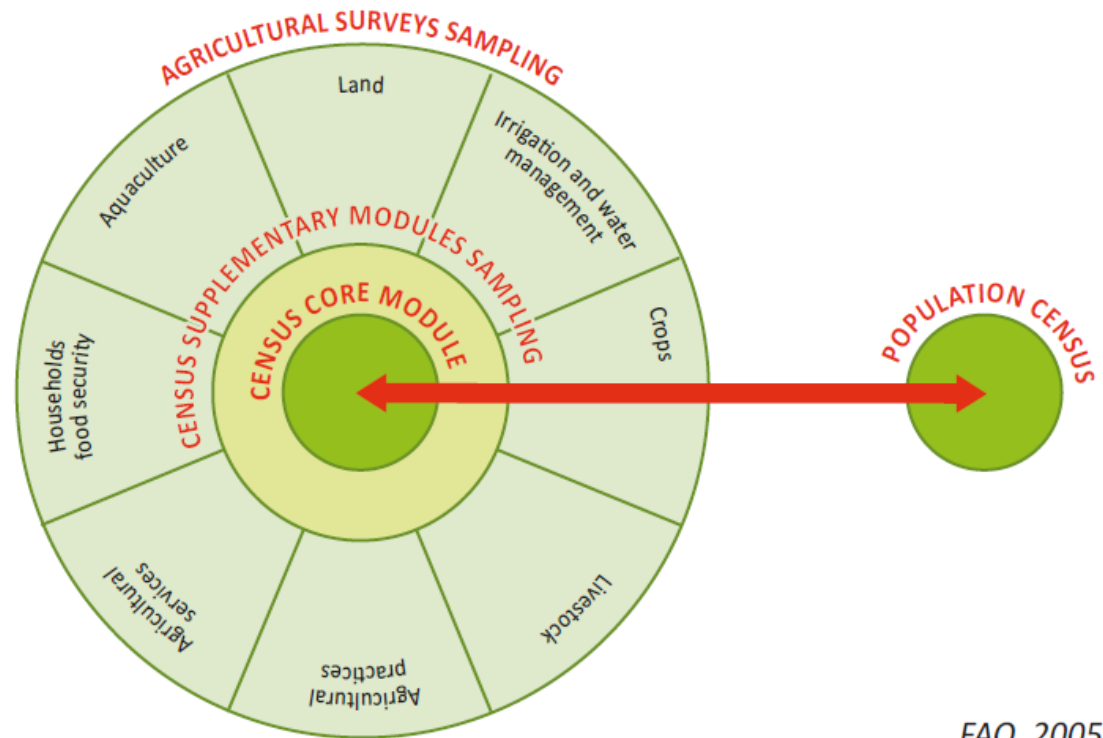**Statistical Institute for Asia and the Pacific (SIAP)**

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United Nations Statistical Institute for
Asia and the Pacific (SIAP)

Introduction

Data Integration is "*the process of combining data from two or more sources to produce statistical outputs*" UN

Introduction

The agricultural census as part of an integrated system of censuses and surveys
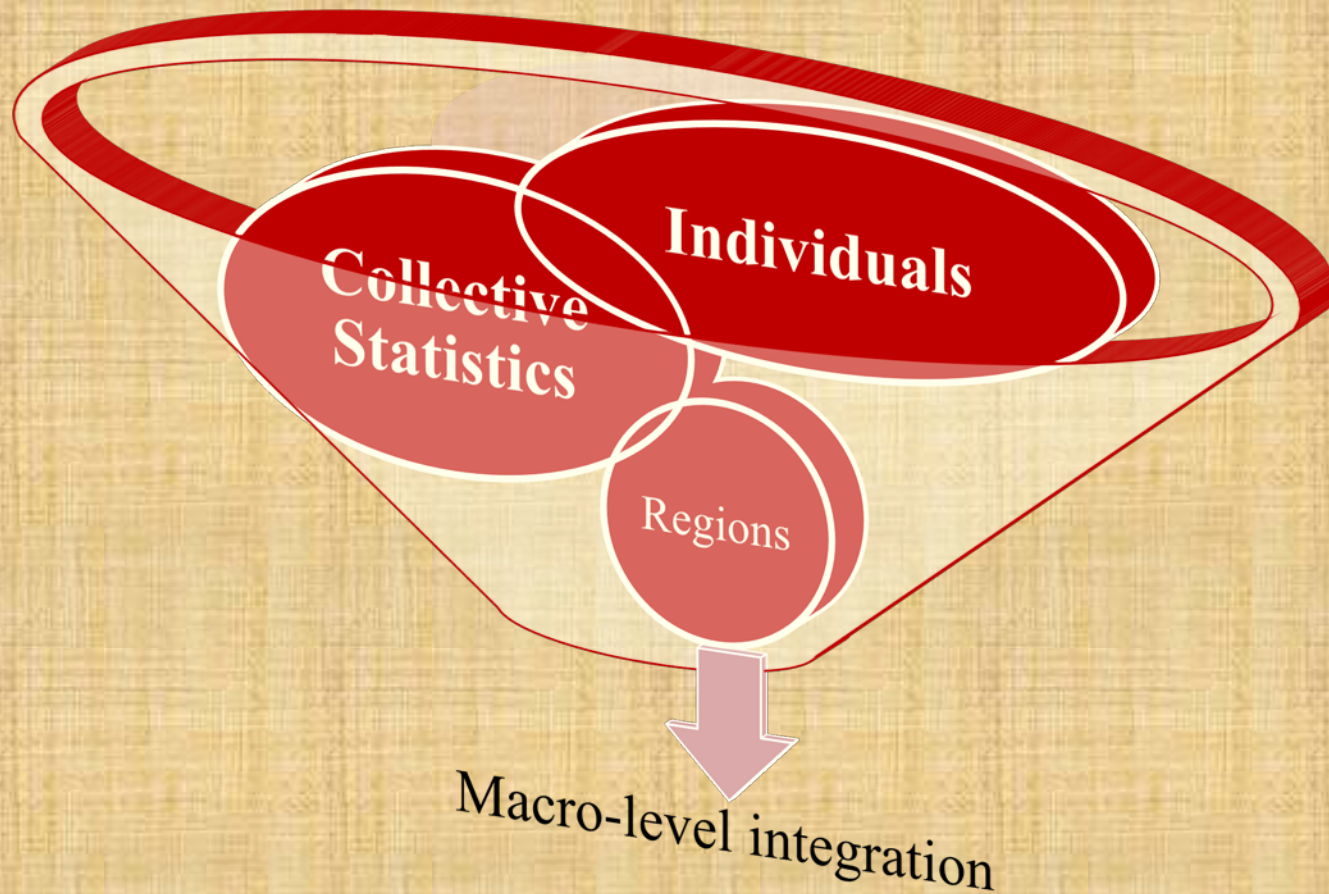
FAO, 2005.

Data Integration

"It is a set of methods and procedures aimed at the production and dissemination of joint statistical information at the level of units, or groups of units, arising from a plurality of sources, such that "each statistical collection is carried out, not in isolation, but as a component of the national statistics system" FAO 2005

Data Integration

- Data integration is broadly defined as the *combination of data from different sources on the same or a similar individual or unit.*

  – *includes linkages between data arising from statistical surveys, or from administrative sources.*

Macro-level integration

Micro-data integration

Micro-data integration

Integration aims to link information from one unit to

- to a different set of information on the *same unit*

- to information on another unit having the same characteristics

Statistical Unit

- The linkage of records likely to belong to the *same individual or unit.*

- Correct definition of the statistical unit is crucial,

- The *Statistical Unit is the unit of observation or measurement for which data are collected or derived*

Statistical Unit

- Dwelling Units
- Household

- Persons
- Land parcels

- Agriculture holding
- Farm Household

Thank You