



Food and Agriculture
Organization of the
United Nations

SUSTAINABLE
DEVELOPMENT
GOALS



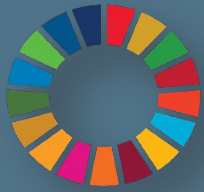
APCAS/24/B2.4

ASIA AND PACIFIC COMMISSION ON AGRICULTURAL STATISTICS

30TH SESSION

19–24 May 2024
Kathmandu (Nepal)





SIDE EVENT B: Country Experiences with Farm-based SDG indicators

Final Results SDG 2.3.1 and 2.3.2, from 2022 Timor-Leste Small Agricultural Survey

Presenter: Joanico



Metadata

Lead Ministry/Agency	INETL, MAF, FAO
Data users	FAO and MAF
SDGi data source	2022 Small Agricultural Survey
Data collection year(s)	2022
Reference period	Last 12 Months
Sample size	1666
Data collection frequency	
Data collection mode	face-to-face interviewing (Using CAPI)
SDGi reporting status	

Outline

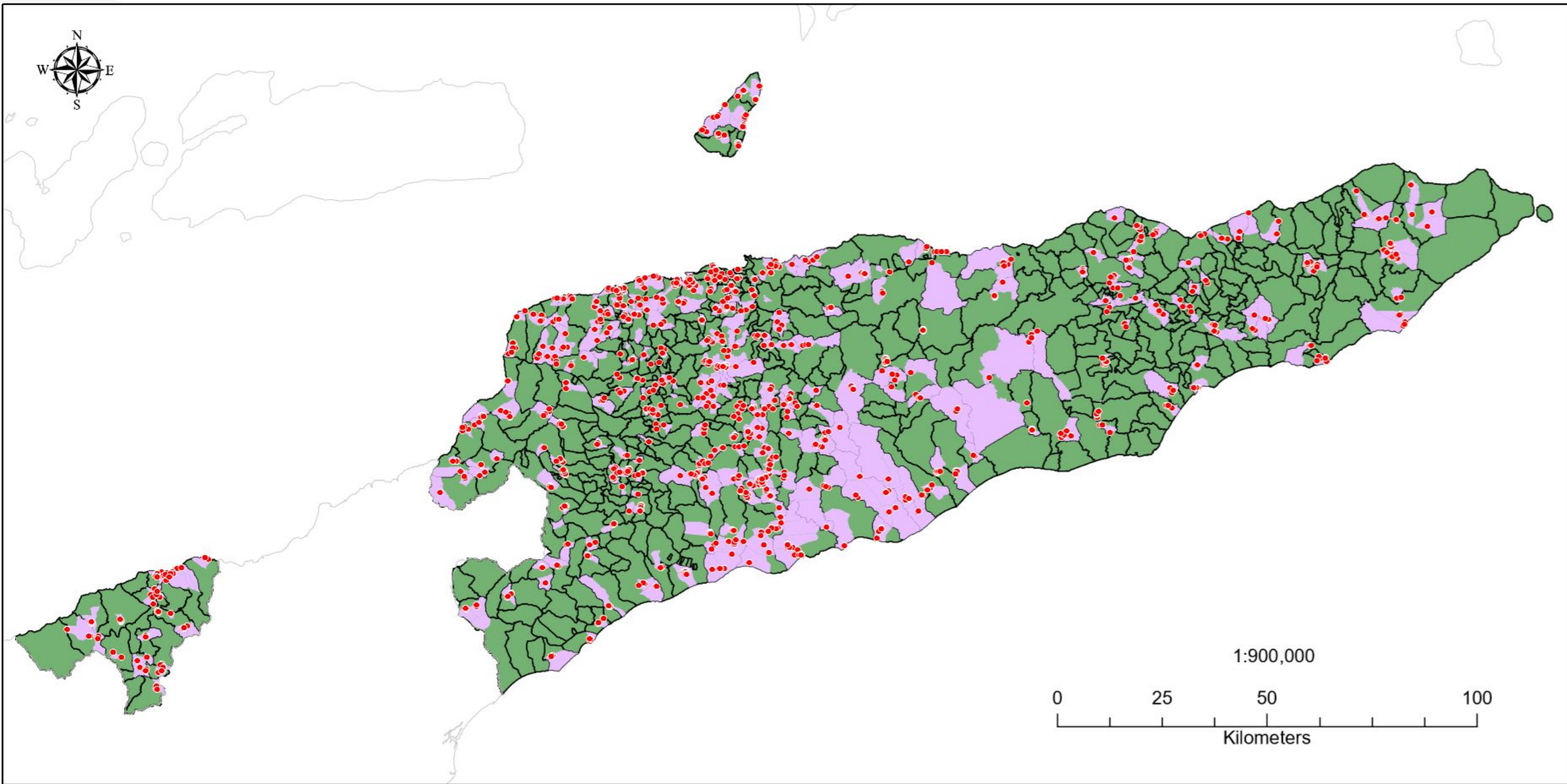
- **Introduction 2022 Timor-Leste Small Agriculture Survey**
- **Survey questions**
- **Adaptation of questions to national context**
- **Indicator results**
- **Interpretation**
- **Challenges, solutions**
- **Recommendations to other countries and to FAO**

Introduction

- The preparatory stages for monitoring the SDG 2.4.1 is through initiating plan for “Small Agricultural Survey 2022”
- Details of the activity is as follows:
 - ✓ **Training of technical working group members (ToT)** : 14-17 December 2021
 - ✓ **Preparing survey instruments:** Enumerator’s Manual and Survey Questionnaire
 - ✓ **Conducting pre-test** to tesh the survey instruments to facilitate training of enumerators (ToE): 11-17 January 2022 and 27-28 January 2022, 1-2 February 2022
 - ✓ **Mapping instrument for pre-test:** preparing GPS coordinates to identify the holding’s geographical location
 - ✓ **Design sample**
 - ✓ **Fieldwork of data collection:** 7 February – 7 March 2022
 - ✓ **Data processing, cleaning, editing.**
 - ✓ **Data analysis:** training of technical working group members: 9-10 May and 1 June 2022
 - ✓ **Writing final report for dissemination**

Introduction (Sample)

No.	Municipality	Actual Survey	Total population of agricultural holding	Sampling rate	Margin of error
1.	Aileu	122	7 422	1.6 %	9.3 %
2.	Ainaro	125	7 548	1.7 %	15 %
3.	Atauro	88	1 638	5.4 %	4.9 %
4.	Baucau	98	18 398	0.5 %	7 %
5.	Bobonaro	135	14 542	0.9 %	10.3 %
6.	Covalima	58	10 437	0.6 %	10 %
7.	Dili	79	6 011	1.3 %	20 %
8.	Ermera	90	16 569	0.5 %	10 %
9.	Lautem	99	9 548	1.0 %	14.8 %
10.	Liquica	225	10 201	2.2 %	13.9 %
11.	Manatuto	115	5 686	2.0 %	10.0 %
12.	Manufahi	223	7 050	3.2 %	16.2 %
13.	Oecusse	126	13 870	0.9 %	10 %
14.	Viqueque	83	12 818	0.6 %	10 %
Timor-Leste		1666	141 738	1.18 %	



Survey Questions

2022 Timor-Leste Small Agriculture Survey Questionnaire's Section;

1. IDENTIFICATION OF THE HOLDING AND HOLDER (5 Questions)
2. AREA HOLDING (5 Questions)
3. ECONOMIC DIMENSION OF THE HOLDING (8 Questions)
 - ✓ Local Unit of Production
 - ✓ Local Unit of Sold
1. ENVIRONMENTAL DIMENSION OF THE HOLDING (22 Questions)
2. SOCIAL DIMENSION OF THE HOLDING (15 Questions)

Final results of calculation of SDG 2.3.1 (Tier II)

SDG Indicator	Estimate
2.3.1 – smallholder productivity	\$7.75

Each agricultural worker working in a small-scale food producer holdings will generate on average productivity of \$7.75 per labor per day



Metadata:

<https://unstats.un.org/sdgs/metadata/files/Metadata-02-03-01.pdf>

Final results of calculation of SDG 2.3.2 (Tier II)

SDG Indicator	Estimate
2.3.2 – Average income of small-scale food producers	\$2,806.86

Each small-scale food producer, on average, will generate income from its agricultural activity at 2,806.86 per year (e.g. throughout the crops seasons)

Metadata:

<https://unstats.un.org/sdgs/metadata/files/Metadata-02-03-02.pdf>

Tier 2: Indicator is conceptually clear, has an internationally established methodology and standards are available, but data are not regularly produced by countries.



Challenges, solutions

Challenges:

1. **Estimation of mixed crops production:** enumerator difficult to calculate crop production in parcel with mixed crops.
2. **Data accuracy:** Farmers provide inaccurate or incomplete information due to factors such as recall bias, estimation error or misinterpretation.
3. **Local unit of measurement:** crops production measuring in local unit, enumerator may selected wrongly local unit.

Solutions:

1. The solution that we obtain to over through these challenge is we apply **technical conversion factor (TCF);**



Obrigado

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For more detailed information on SDG Indicators under FAO
custodianship, please visit

<http://www.fao.org/sustainable-development-goals/indicators/en/>