



BADAN PUSAT STATISTIK

ST2023
SENSUS PERTANIAN

Discussion On Migration Indicators For Policy Area 1 “Improve The Measurement Of International Migration And Temporary Mobility Flows And Stocks”

*Technical Meeting on Indicators and Operationalization of the
Conceptual Framework of International Migration Statistics*



Winida Albertha

BPS-Statistics Indonesia



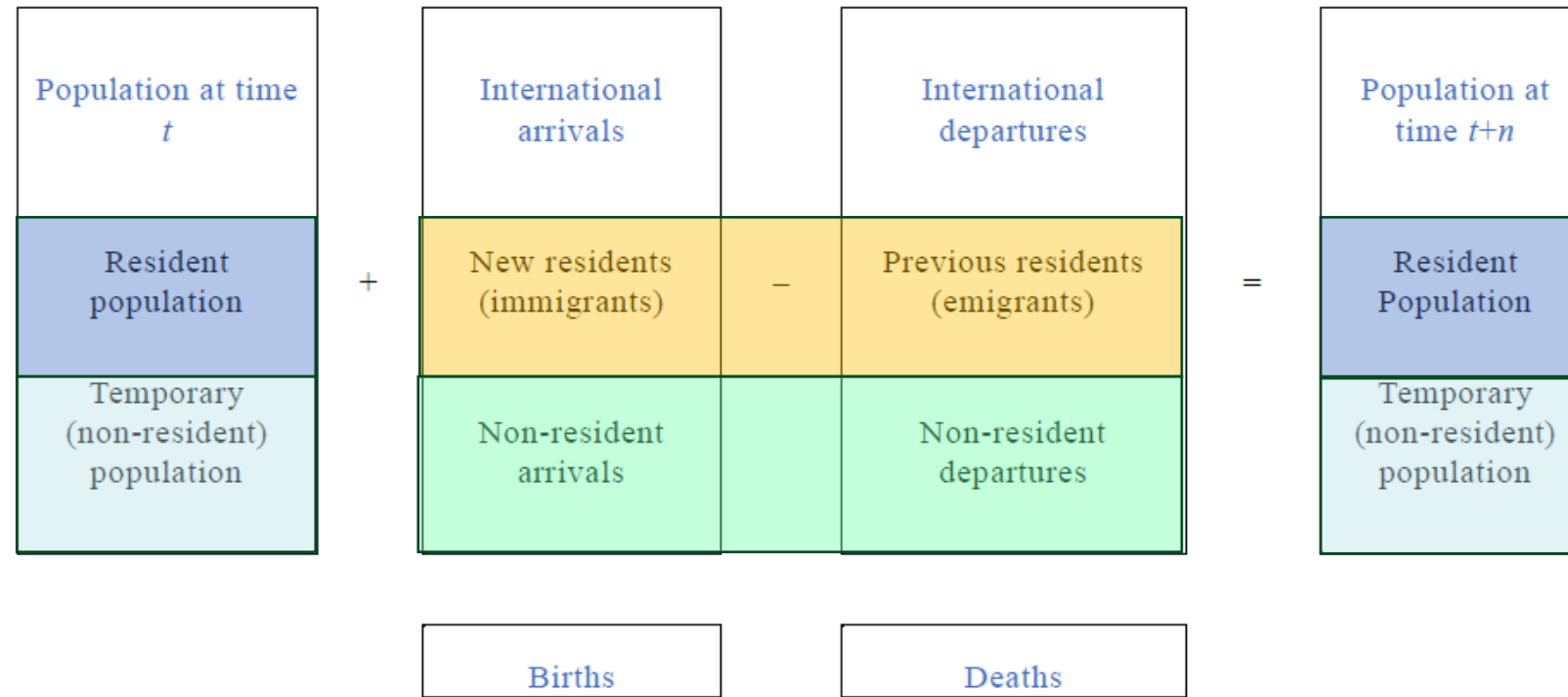
Rabat, Morocco, 20-22 June 2022



Conceptual Framework

Figure I

Overarching conceptual framework on international mobility



STOCK

FLOW

STOCK

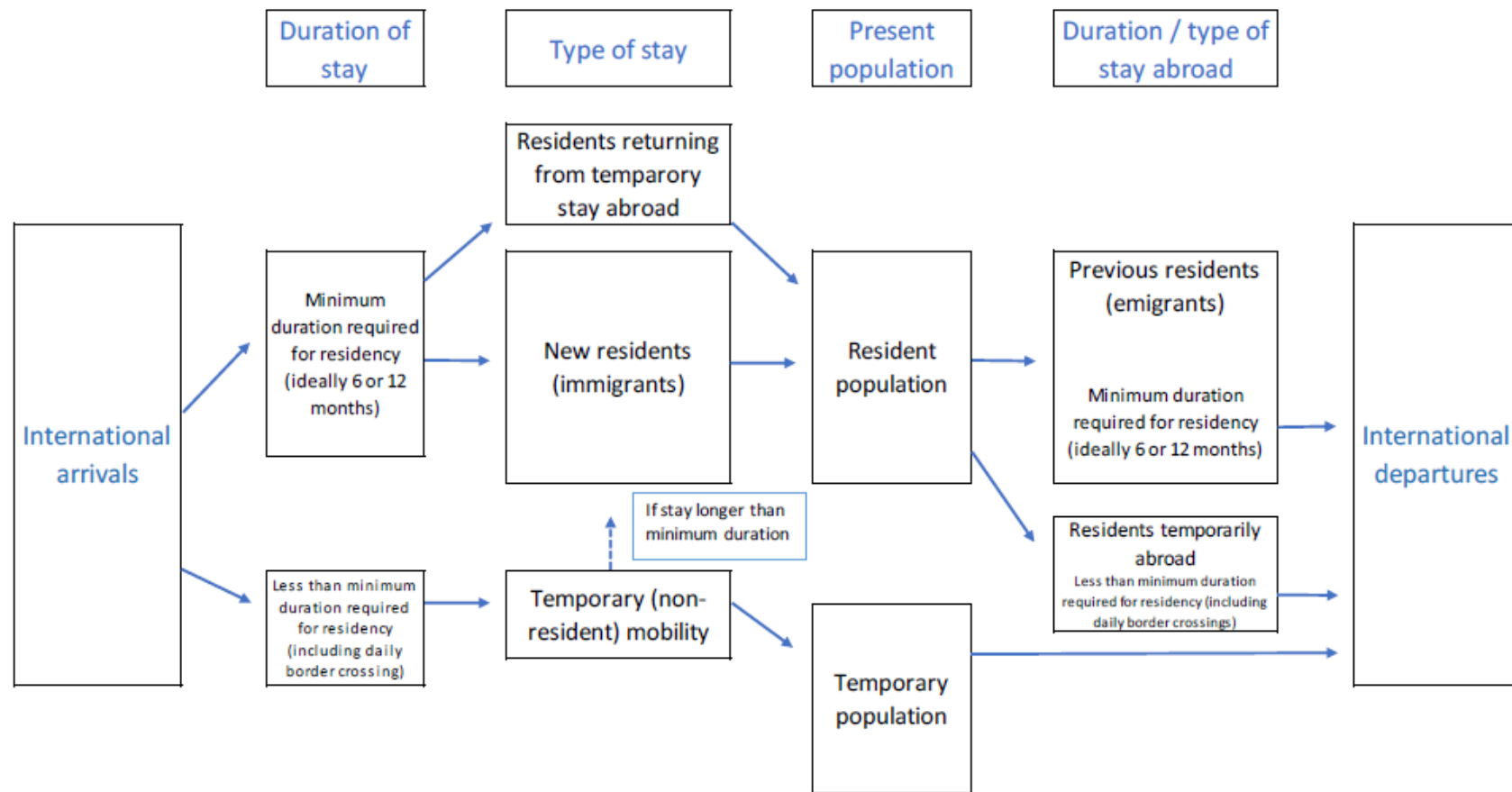
Census or
Population
register

???



Conceptual Framework

Figure II
Conceptual framework on intersection between duration of stay and international mobility

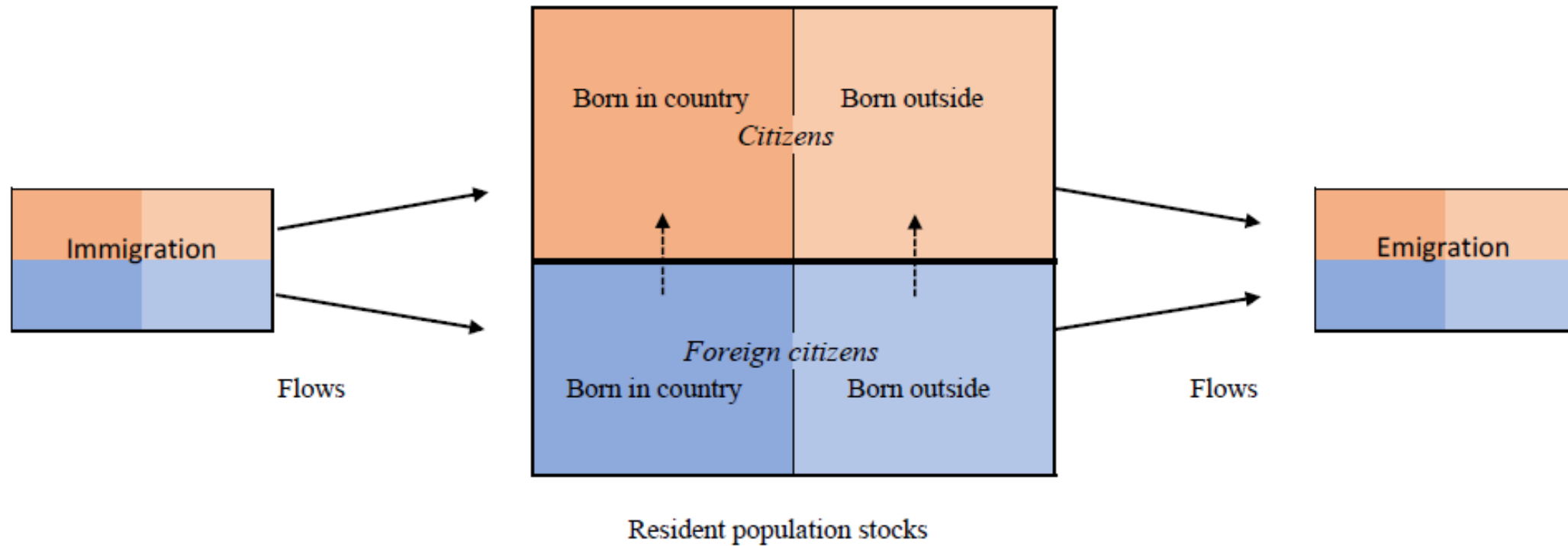




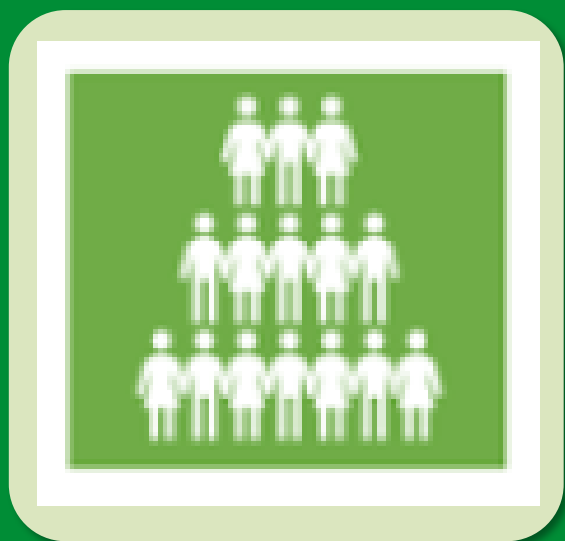
Conceptual Framework

Figure III

Conceptual framework on international migration and the coherence between flows and stocks



Indicator



Policy Area 1: Improve the measurement of international migration and temporary mobility stocks and flows

- ✓ **5 CORE INDICATORS** that all countries should regularly collect and produce
- ✓ **4 Additional indicators and topics on measuring international migration and temporary mobility stocks and flows**





Indicators

1. Residence and changes in the country of residence



Migrant Stocks

CORE			ADDITIONAL
		Migration Indicator	Primary topics for disaggregation
Stock	MI 1.1	Proportion of _____ in the total resident population Foreign-born population Foreign citizen Foreign-born citizen Native-born foreign citizen Foreign-born foreign citizen	1.Age 2.Sex 3.Country of birth 4.Country of citizenship
	MI 1.2	Proportion of _____ obtaining citizenship Native-born foreign citizen Foreign-born foreign citizen	1.Age 2.Sex 3.Country of birth 4.Country of citizenship
			Secondary topics for disaggregation
			Duration of stay, educational attainment, labour force status, location of residence within country
			Educational attainment, labour force status, location of residence within country



Proportion?
OR
Number and proportion?

Proportion to the total resident population in what point of time within the year?



Indicators

1. Residence and changes in the country of residence



Migrant Stocks

		CORE		ADDITIONAL
		Migration Indicator	Primary topics for disaggregation	Secondary topics for disaggregation
Stock	MI 1.1	Proportion of _____ in the total resident population Foreign-born population Foreign citizen Foreign-born citizen Native-born foreign citizen Foreign-born foreign citizen	1.Age 2.Sex 3.Country of birth 4.Country of citizenship	Duration of stay, educational attainment, labour force status, location of residence within country
	MI 1.2	Proportion of _____ obtaining citizenship Native-born foreign citizen Foreign-born foreign citizen	1.Age 2.Sex 3.Country of birth 4.Country of citizenship	Educational attainment, labour force status, location of residence within country



5 Sub Indicators?

OR

2 Main Sub Indicators:

- ✓ Foreign-born Population
- ✓ Foreign Citizen with primary topics for disaggregation?



Indicators

1. Residence and changes in the country of residence



Migrant Stocks

CORE			ADDITIONAL	
		Migration Indicator	Primary topics for disaggregation	
Stock	MI 1.1	Proportion of _____ in the total resident population Foreign-born population Foreign citizen Foreign-born citizen Native-born foreign citizen Foreign-born foreign citizen	1.Age 2.Sex 3.Country of birth 4.Country of citizenship	Secondary topics for disaggregation Duration of stay, educational attainment, labour force status, location of residence within country
	MI 1.2	Proportion of _____ obtaining citizenship Native-born foreign citizen Foreign-born foreign citizen	1.Age 2.Sex 3.Country of birth 4.Country of citizenship	Educational attainment, labour force status, location of residence within country



MI 1.2

Primary OR Additional?

Country of citizenship OR Country of previous citizenship?



Indicators

1. Residence and changes in the country of residence



Migrant Flows

CORE		ADDITIONAL		
	Migration Indicator	Primary topics for disaggregation	Secondary topics for disaggregation	
Flow	MI 1.3	Annual number of immigrants	1.Age 2.Sex 3.Country of birth 4.Country of citizenship	Country of previous residence, educational attainment, reason for move, labour force status prior to move, settlement location within country
	MI 1.4	Annual number of emigrants	1.Age 2.Sex 3.Country of birth 4.Country of citizenship	Country of next residence, educational attainment, reason for move, labour force status, departure location within country
	MI 1.5	Annual total net migration	1.Age 2.Sex 3.Country of birth 4.Country of citizenship	



*Annual Number
OR/AND
Rate?*

Indicators

2. Temporary population stays and movements (additional indicators)

1

MI 1.6 Number of foreign citizens temporarily present in the country who are

2

MI 1.7 Annual number of foreign citizens entering the country temporarily to

3

MI 1.8 Average duration of stay for foreign citizens entering the country temporarily who are

- | | |
|------------------------------|--------------------------------------|
| a. cross-border workers | d. engaged in training |
| b. engaged in seasonal work | e. seeking health-related treatments |
| c. other types of employment | f. asylum seekers in transit |

4

MI 1.9 Annual number of **foreign citizen/citizen** population departing the country for temporary stays abroad

Comments

- Relatively difficult to measure indicators, especially because they are hardly caught in household censuses/surveys
- May intersect with tourism indicators, for example, digital nomadic phenomena (not seasonal or circular, but stay long enough), or relatives who accompany someone for health treatment
- The MI 1.8 indicator could be a topic of disaggregation





Practice in Indonesia

Indicators that have been measured so far

Stocks

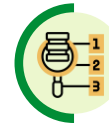


Number of Foreign-born populations



Number of Foreign citizens

Flows



Number and Rate of immigration



Number and Rate of emigration



Number and Rate of Net migration





Practice in Indonesia

Potential Data Sources

Potential Data Sources	Limitations
<i>Population Census</i>	Under coverage, Census during pandemic, once in 10 years, time reference of migration: within 5-year prior the census
<i>Household Surveys</i>	Under coverage, limitation in methodology, emigrants not present in the HH
<i>Population registers</i>	Incomplete register for foreign citizen, data access issue
<i>Immigration registers</i>	Under coverage, Passport number may change for the same person, data access issue
<i>Register on Workers Placement Abroad (BP2MI)</i>	incomplete and only cover workers registered by BP2MI
<i>Mobile Positioning Data</i>	Need exercise to develop the algorithm, data access issue





BADAN PUSAT STATISTIK

ST2023
SENSUS PERTANIAN



Thank You!

winid@bps.go.id

