Production of International Migration Statistics using 2020 Population Census and Indonesia's One Data Initiative on International Migration to Support Official Migration Statistics

Parallel Session E.3:
Leveraging Population Censuses and Inter-Census Population Surveys as Sources of Data for International Migration Statistics: Emerging Lessons from the 2020 Census Round

Parwoto
Statistician - Directorate of Population and Labor Statistics
BPS Statistics Indonesia

OUTLINE

01 Indonesia's Population Census 2020 Overview

02 International Migration Statistics based on Population Census and Intercensal Population Survey

03 Utilization of International Migration Statistics from Population Census and Intercensal Population Survey Results

04 Strengthening International Migration Statistics through the SDMI Initiative

1

Indonesia's Population Census 2020 Overview

Indonesia's Population Census 2020 (PC2020)

LEGAL BAS

Law No. 16 Year 1997 *Statistics*
Govt. Reg. No. 51 Year 1999 *Statistical Governance*

UN Recommendation 2017
World Population and Housing Programme

"It is recommended that a national census be taken at least every 10 years"
(Principles and Recommendations for Population and Housing Censuses, Revision 3)

Presidential Decree No. 39 of 2019
One Data Indonesia

Presidential Decree number 62 of 2019
National Acceleration Strategy Population Administration for Development of Vital Statistics

METHOD

The UN recommends:
register-based census

Registration data in Indonesian:
not fully cover the whole population

COMBINED METHOD
Using administrative data as basic data in the population census

Indonesia's Population Census 2020 (PC2020)

SHORT FORM

WHO

All population living or will be living in Indonesia for **at least 1 year**

WHEN

a. **Online census**
(February 15 – March 31, 2020)

b. **Face-to-face interviewing**
(September 1-30, 2020)

PURPOSE

Providing Data on the **Number, Composition, Distribution,** and **Characteristics of the Population** Towards **ONE DATA OF INDONESIAN POPULATION**

LONG FORM

WHO

Sample data collection (±4.29 million sample household)
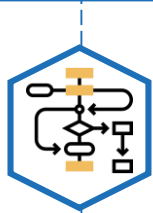
WHEN

a. **Updating household list in selected census block**
(May 15-31, 2022)

a. **Data Collection**
(June 1-30, 2022)

PURPOSE

Collect data related to **demographic parameters** (births, **migration**, and deaths), education, disability, employment, housing, and other important information

International Migration Indicator as One of the PC2020 Outputs
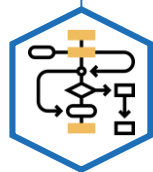
Indicator

Demographics Parameter
1. Birth
2. **Migration**
3. Death

Education

Disability

Employment

Internal Migration

International Migration

- **Migrant stock**
  - nationality (foreigners who lived in Indonesia)
  - place of birth (population of Indonesia who born abroad)
- **Incoming migrant** Indonesian residents who previously lived abroad then moved to live in Indonesia in the last 5 years
- **Outgoing migrant** former household member who previously lived in Indonesia, left to live abroad in the last 5 years
- **Net migrant** the difference between the number of incoming migrants and the number of outgoing migrants
- **ASNMR** (age specific net migration rate): the average number in the 5-year age group which is a reduction/addition of population due to migration events

2

International Migration Statistics Results of Population Census/Intercensal Population Survey

International Migration Statistics at BPS-Statistics Indonesia

Publications Containing International Migration Data

International Migration Study of Population Census and Intercensal Population Survey
International migrants by nationality, residence 5 years ago, place of birth, departure year, province, country of destination, reason to move, main activity, sex, age group, highest education

Migrant Profile from National Socio-Economic Survey
International migrants by place of birth, residence 5 years ago

Population and Labor Mobility Statistics
Indonesian migrant workers by province, education, gender, sector, country of placement

Source of International Migration Statistics

- Population Census
- Intercensal Population Survey
- National Socio-Economic Survey
- National Labour Force Survey
- Administrative records from the Ministry/Agency of Data Supporting Institutions

International Migration Statistics Results of Population Census & Intercensal Population Survey

Population Census

- **In migrants, recent migrants**
  place of birth, last place of residence before current place of residence, reason to move, departure year, residence 5 years ago

- **Out migrants**
  former household member (sex, destination country, departure year, age, reason to move)

Intercensal Population Survey

- **In migrants, recent migrants**
  nationality, place of birth, residence 5 years ago, last place of residence before current place of residence, destination country

- **Out migrants**
  former household member (sex, country, departure year, age, reason to move, main activity)

National Socio-Economic Survey

- **In migrants, recent migrants**
  place of birth, residence 5 years ago

National Labour Force Survey

- **Return migrants, recent migrants**
  destination countries of migrant, experiences of violence

International Migration Statistics
(Result of Population Census and Intercensal Population

International Migration (in-migrant) 2010 PC, 2015 IPS, and 2020 PC Longform *)

Census/Survey	Amount	Citizenship			Population
		Indonesian	Foreigner	Total	
(1)	(2)	(3)	(4)	(3)	(6)
					Population 0+
Lifetime					
2010 PC	Absolute (X 1000)	186,4	48,6	234,9	237.641,3
	Percentage			0,10	
2015 IPS	Absolute (X 1000)	165,1	15,5	180,6	255.182,1
	Percentage			0,07	
2020 PC Longform *)	Absolute (X 1000)	194,6	12,9	207,6	275.773,8
	Percentage			0,08	
					Population 5+
Recent					
2010 PC	Absolute (X 1000)	144,3	16,4	160,6	214.962,6
	Percentage			0,07	
2015 IPS	Absolute (X 1000)	345,2	8,0	353,2	232.403,1
	Percentage			0,15	
2020 PC Longform *)	Absolute (X 1000)	397,2	3,9	401,1	253.679,3
	Percentage			0,16	

Note: *) Preliminary result of 2020 PC Longform. Demographic indicators result of 2020 PC Longform **including international migration statistics will be release in January 31, 2023** through official website: *sensus.bps.go.id*

Average of Annual International Migration Result of 2015 IPS (2010-2015)

Type of Migration	Sex	Amount (X 1000)
(1)	(2)	(3)
In-migrant	Male	45,0
	Female	43,4
	Male + Female	88,4
Out-migrant	Male	107,6
	Female	105,4
	Male + Female	212,9
Net-migrant	Male	-62,6
	Female	-61,9
	Male + Female	-124,5

International Migration Rate (per 1000)

Type of Migration	2015 IPS	2020 PC Longform *)
(1)	(2)	(3)
In-migrant	0,35	0,32
Out-migrant	0,83	0,43
Net-migrant	-0,49	-0,11

Top 10 International Migrant Stock by Nationality (per 1 million population), 2020 PC Longform *)

3

Utilization of International Migration Statistics from Population Census and Intercensal Population Survey Results

The Use of International Migration Statistics

Analysis of International Migration based on the 2015 Indonesian Intercensal Population Survey
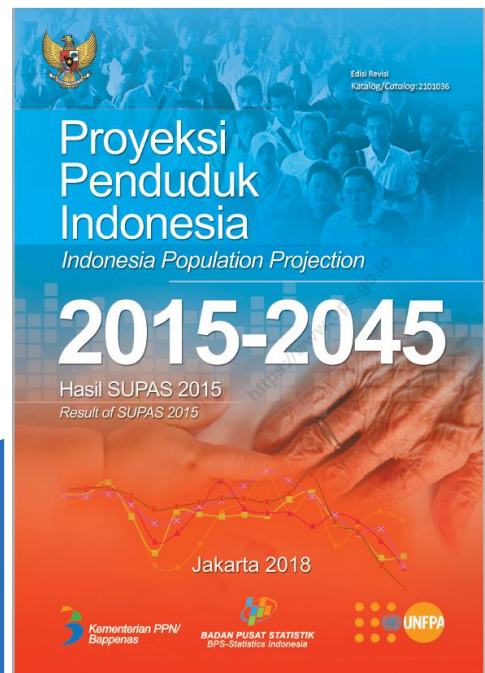
Published on the **BPS official website** (www.bps.go.id)

**Data source:** 2010 Population Census and 2015 Intercensal Population Survey

Viewed: 13.067
Downloaded: 1.559

International Migration and Population Projections

Proyeksi Penduduk Indonesia — Indonesia Population Projection — 2015-2045 — Hasil SUPAS 2015 / Result of SUPAS 2015 — Jakarta 2018

Gambar / Figure 2.9 — Asumsi Tingkat Migrasi Internasional Proyeksi Penduduk Indonesia, 2015-2045 / Assumptions of the International Migration Rate for Indonesian Population Projection, 2015-2045

(Skenario A/Scenario A) ■ (Skenario B/Scenario B)
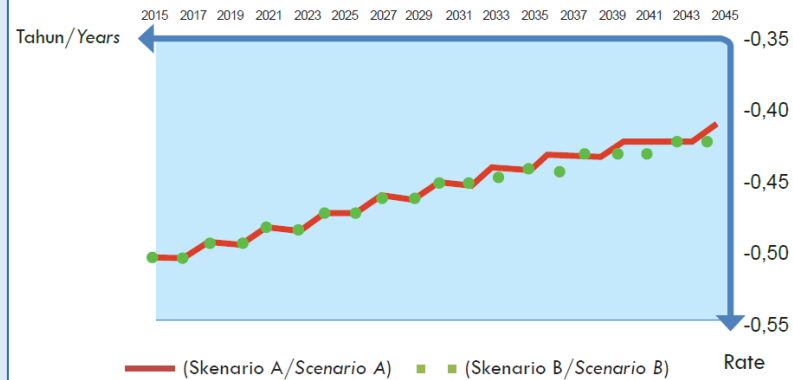
✓ Based on result of 2015 intercensal population survey, net international migration in 2015 was -5 per 10.000 population

✓ ASNMR has been used as an **assumption for Indonesian population projection** at national level since 2015 for the two scenarios developed (trend and policy)

Proyeksi Penduduk Indonesia 2020-2050 — Hasil Sensus Penduduk Long Form 2020 — Jakarta, 2022
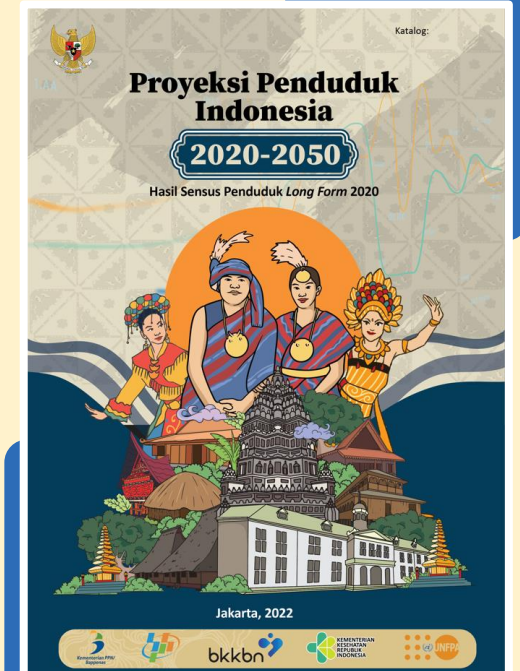
✓ BPS is preparing the **Indonesian Population Projection 2020-2050** based on the results of the Population Census 2020

✓ Release plan: **February, 2023**

4

Strengthening International Migration Statistics through One Data Indonesia on International Migration (SDMI) Initiative

Background and Purposes

1. SDGs (*Sustainable Development Goals*)

✓ **Target 8.8**

Protect labor rights and promote safe and secure working environments for all workers, including migrant workers, in particular women migrants, and those in precarious employment

✓ **Target 10.7**

Facilitate orderly, safe, regular and responsible migration and mobility of people, including through the implementation of planned and well-managed migration policies

2. GCM (*Global Compact for Safe, Orderly, and Regular Migration*) Cluster 4:

✓ **Goal 1**

Collect and utilize accurate and disaggregated data as a basis for evidence-based policies

✓ **Goal 3**

Provide accurate and timely information at all stages of migration

✓ **Goal 7**

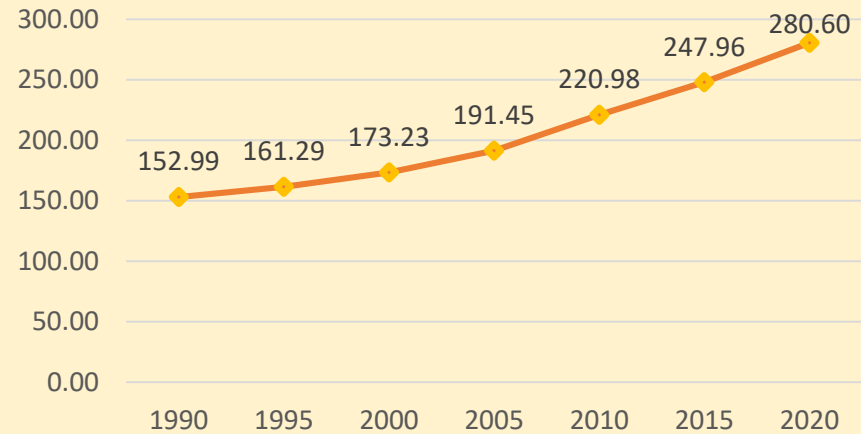*Address and reduce vulnerabilities in migration*

National

1. **Realizing One Indonesian data**

2. **Law No. 18 of 2017:** Protection of Migrant Workers

3. **Indonesian Population Projection Calculation**

Trend of International Migrant Stock (million people)

Year	Value
1990	152.99
1995	161.29
2000	173.23
2005	191.45
2010	220.98
2015	247.96
2020	280.60

Sumber: UN, Department of Economic and Social Affairs (DESA)

The number of international migrants tends to increase. Based on UN DESA, 1 in 30 world population, or 281 M people are international migrants.

- In 2017, 9 million Indonesians worked abroad and contributed USD 8.9 billion in remittances to the Indonesian economy (equivalent to 30% *foreign direct investment*).

- In the same year, 1.9 million Indonesian workers were still undocumented or overstayed, dominated by woman.

- Exploitation, violence, and human trafficking of international migrants.

Source: World Bank

Background and Purposes

SDMI AS SOLUTION

Collection of international migration data based on survey/census

- ✓ Difficult to get accurate data, therefore leads to non-sampling error

- ✓ In Statistics Indonesia there's no particular survey/census to collect international migration data

- ✓ Migration events are not random, an appropriate sampling method is needed to avoid estimation errors due to sampling error
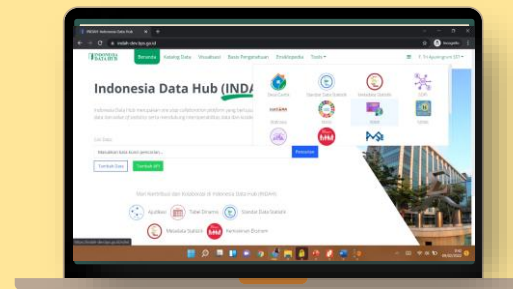
Definition

One Data Indonesia on International Migration Data (SDMI) is an Indonesian international migration data governance policy to produce accurate, up-to-date, integrated, accountable, easily accessible, and interoperable among ministries/agencies data.

Final Product

- ✓ Build an Indonesian International Migration Data **platform** equipped with standard data and metadata that can be disseminated and shared continuously.

- ✓ International migration data becomes a part of the **official statistics.**

Parties involved in SDMI

Ministry/National Agency **NGO** **International Agency**

International Migration Statistics Regulations

Laws No.16 of 1997 about Statistics
Application of the National Statistical System

Laws No. 18 of 2017
Protection of Migrant Workers

Head of BPS Decision No. 5 of 2000
National Statistical System

Presidential Regulation Np. 39 of 2019
One Data Indonesia (data standard, metadata, reference code, and data interoperability)

Head of BPS Decision No. 1 of 2009
Formation of Data Standards

Data Fulfillment Challenges

1. Non-standardized data,
2. Different reference codes,
3. Incomplete metadata,
4. Data discrepancy by data producer,
5. Difficult access to data, and
6. Data production is not user-oriented yet.

SDMI based on SDI

Data Principles

1. Data standards,
2. Metadata,
3. Data interoperability,
4. Using reference code and master data.

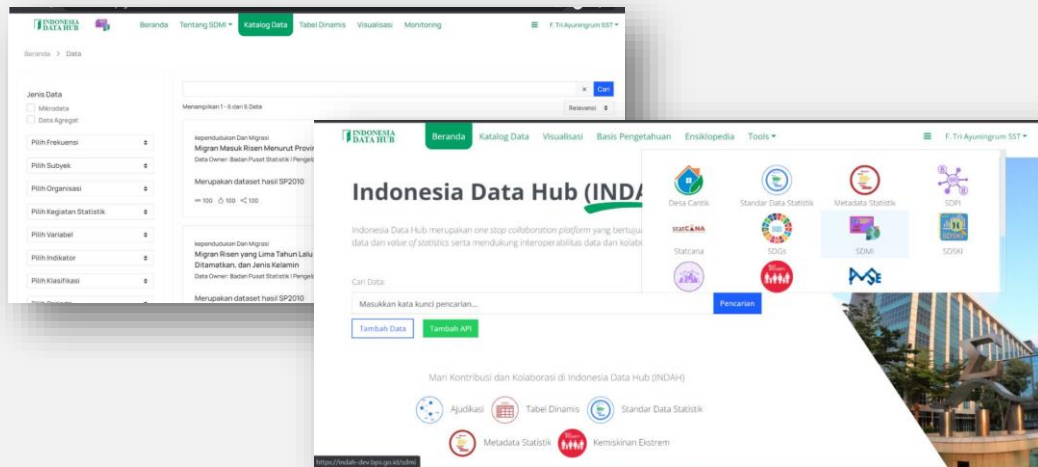# SDMI PROGRESS AND INDONESIA DATA HUB (INDAH) PLATFORM

2019

Meeting with data producers related to international migration

2021 **2022**

Data elaboration with data providers through several FGD series

INDAH (Indonesia Data Hub) platform for international migration data dissemination

INDAH Platform Contents (Plan):

- ✓ Indicators related to international migration, included its metadata
- ✓ International migration distribution (maps) and graphical forms
- ✓ Relationship between international migration data and SDGs achievements
- ✓ Facilities for downloading various data

International Agencies Support

UNFPA

Funding support related to implementation of FGD for Development of One Data Indonesia on International Migration in 2021 - 2023.

IOM

- ✓ Had a meeting with BPS in order to **identify the needs** that could be supported by IOM for the development of SDMI
- ✓ Conducted **Data Development Workshop** related to International Migration Data

ILO

- ✓ Had a meeting with BPS in order to **identify the needs** that could be supported by ILO for the development of SDMI
- ✓ **Plan for sharing knowledge** related to international migrant workers and supporting SDMI by **providing data from ILMS**

Thank You

www.bps.go.id

BADAN PUSAT STATISTIK

Photo by: Andi Pranowo (BPS Blitar Regency)