



BADAN PUSAT STATISTIK



# Data and Indicators to Monitor the Transition to A Low Carbon Resilient Economy

*Presented at Side Event of 53<sup>rd</sup> Session of the UNSC  
Closing Climate Change Data Gaps: A New G20 Data Gaps Initiative*



**Etjih Tasriah**

Senior Statistician  
BPS-Statistics Indonesia  
tasriah@bps.go.id



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image source : [www.pexels.com](http://www.pexels.com)



# ENVIRONMENT AND STRATEGIC ISSUES IN INDONESIA

National Medium Term Development Plan 2020-2024



*Depletion of Natural Resources and Environmental Degradation*



*High Level of Exposure and Vulnerability to Disaster*



*Reduction of GHG Emission and GHG Emission Intensity*

## LOW CARBON DEVELOPMENT

*Low Carbon Development is a forward-looking economic development paradigm that includes low emissions and/or climate-resilient economic growth*





# DATA PROVISION IN NEW G20 DATA GAPS INITIATIVE (DGI) DRAFT WORK PLAN



Indonesia has key role in coordinating program implementation progress of **New G-20 Data Gaps Initiative (DGI) Draft Workplan**



## CLIMATE CHANGE

- 1 GHG Emission Accounts and National Carbon Footprint ★
- 2 Energy Accounts ★
- 3 Carbon Footprint of Foreign Direct Investment
- 4 Sustainable Debt and Equity Financing
- 5 Physical and Transition Risk Indicators
- 6 Government Climate-Impacting Subsidies
- 7 Mitigation and Adaptation Current and Capital Expenditures



## HOUSEHOLD DISTRIBUTIONAL INFORMATION

- 8 Income, Consumption, and Saving Distribution ★
- 9 Wealth Distribution ★



## FINTECH AND FINANCIAL INCLUSION

- 10 Fintech Credit
- 11 Fintech and Digital Money
- 12 Financial Inclusion



## ACCESS TO PRIVATE AND ADMINISTRATIVE DATA AND DATA SHARING

- 13 Access to Private and Administrative Data ★
- 14 Recommendation on Data Access and Data Sharing, including the Possible Development of an International Microdata Standard ★



★ **6 of 14 recommendations** would be fulfilled by  
**BPS-Statistics Indonesia**







# BPS WORK PLAN IN 2022

## NEW G20 DATA GAPS INITIATIVE (DGI)



### *Environmental-Economic Accounts*

*Compilation of energy accounts and air emission accounts to fulfill New G20 DGI Recommendation 1 and 2*



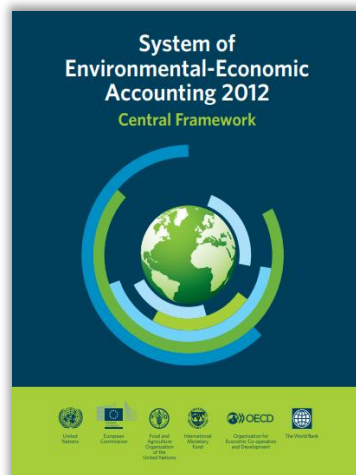
### *Study on Distributional Household*

*Compilation of income distribution, consumption and saving for compiling household wealth distribution*



***The SEEA has been recognized as an important measurement framework for the SDGs***

- **The systems approach of the SEEA enables countries to develop sets of statistics and indicators on both natural resources and ecosystems and how they relate to the economy.**
- **The SEEA framework can be used to directly measure several SDGs indicators and provide supplemental information for numerous others.**



### **Energy Flow Accounts**



- ✓ Renewable energy share in the total final energy consumption
- ✓ Energy intensity measured in terms of primary energy and GDP

### **Air Emission Accounts**

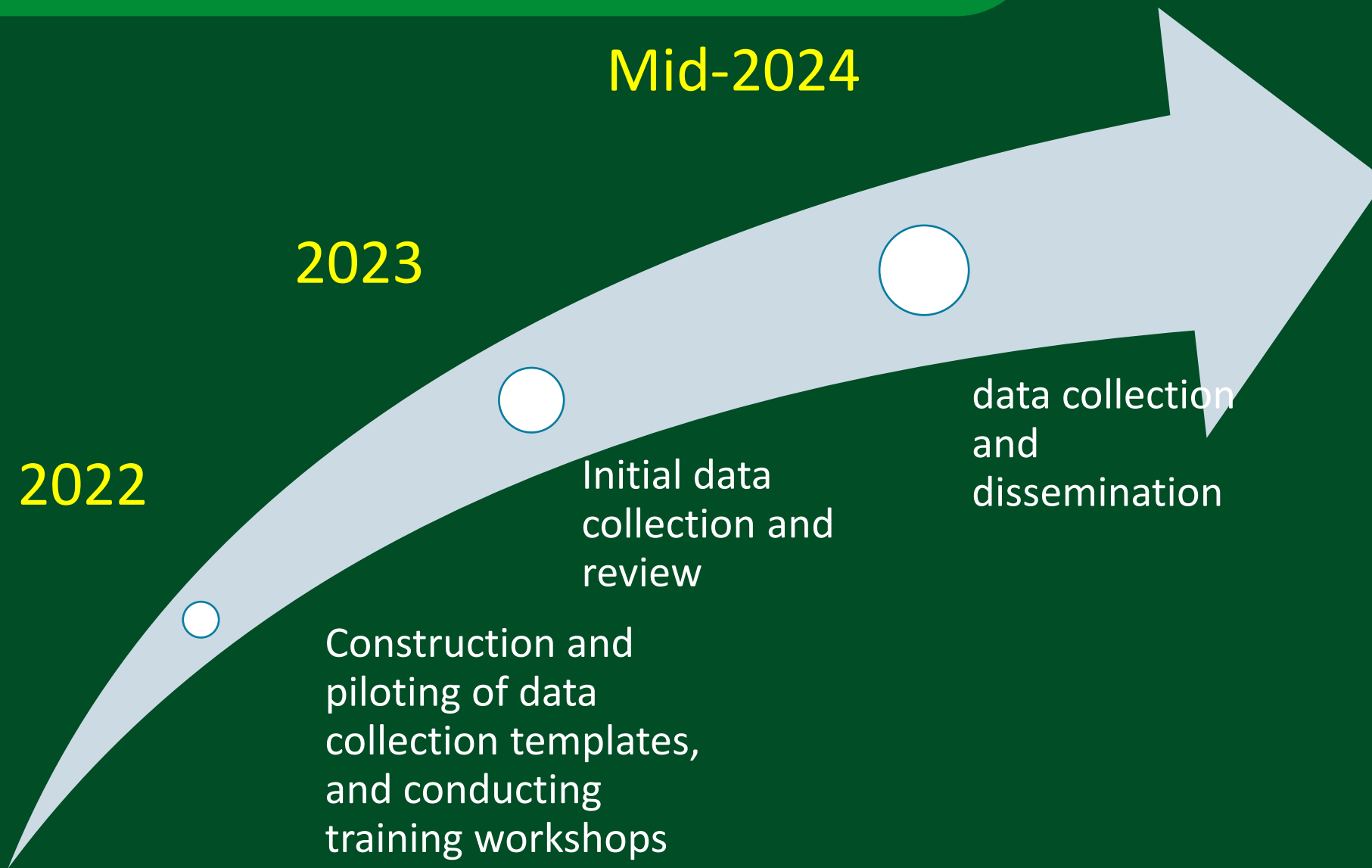


- ✓ CO<sub>2</sub> emission per unit value added



# Milestones and Timeline

## NEW G20 DATA GAPS INITIATIVE (DGI)



# PROGRESS OF SEEA IMPLEMENTATION IN INDONESIA



BPS regularly publishes Indonesia Integrated System of Environmental-Economic Accounts (SISNERLING) comprising asset accounts for land, timber, mineral and energy resources.



In addition to SISNERLING, BPS also publishes physical energy flow accounts and GHG emission accounts.

## Sisnerling Publication

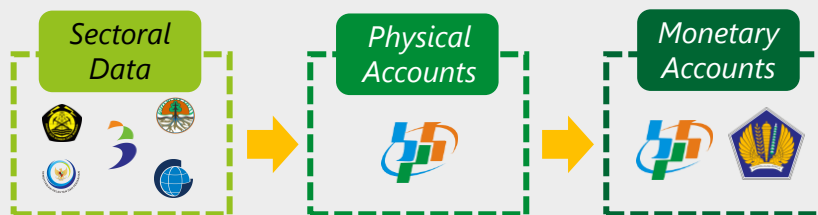


## Flow Accounts Publication



## Inter-Agency Coordination Mechanism

Government Regulation No. 46/2017 about Environmental Economic Instrument



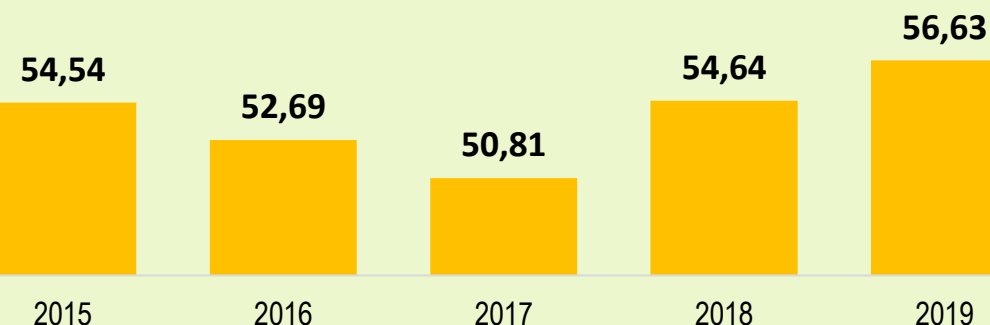
## Energy Intensity (GJ per billion IDR GDP)



## Renewable Energy Share in the TFE (percent)

Source	Renewable Energy Share in the TFE (percent)				
	2015	2016	2017	2018	2019
Biomass	12,95	11,81	8,32	5,00	13,50
Hydro	1,30	1,72	1,51	1,11	0,81
Geothermal	0,63	0,55	0,63	0,92	0,54
Others	0,00	0,00	0,00	0,02	0,03
<b>TOTAL</b>	<b>14,88</b>	<b>14,08</b>	<b>10,46</b>	<b>7,05</b>	<b>14,88</b>

## CO<sub>2</sub> Emission<sup>\*)</sup> Intensity (tonnes per billion IDR GDP)





## EVALUATION AND THE WAY FORWARD

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1

**INDONESIA** has a target of 23% share of renewable energy in the national energy mix by 2025. The policy combined with Indonesia's commitment to reduce emissions by 29% by 2030.

2

**BPS** is committed to provide data and statistic to support policy on climate change; e.g. by compiling energy accounts, air emission accounts, and carbon footprint.

3

Clear methodology and template for data submission are needed to assure international comparability.

4

Inter-governmental and international programs is the way forward to expedite global dataset on climate change.

# Thank You!

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[www.bps.go.id](http://www.bps.go.id)



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