

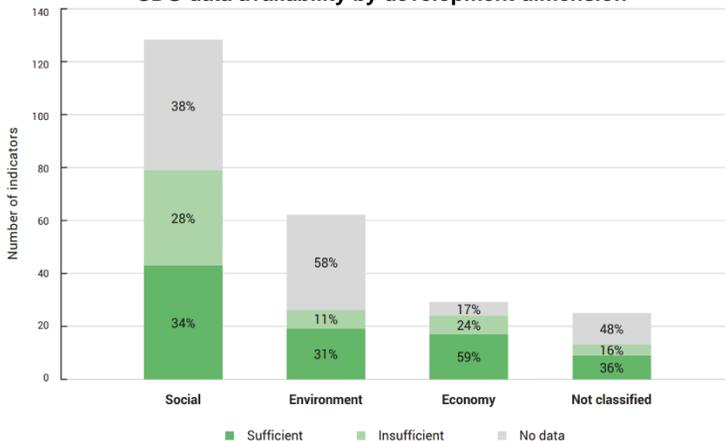
# Integrated statistics in support of improving the SDGs data availability opportunities

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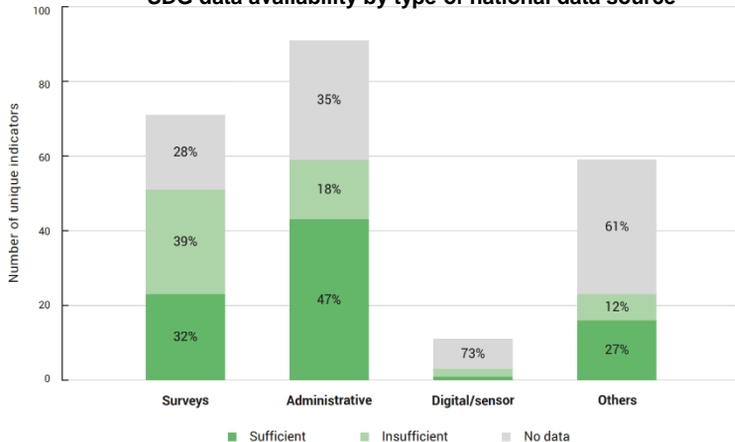


# SDGs data availability

SDG data availability by development dimension



SDG data availability by type of national data source



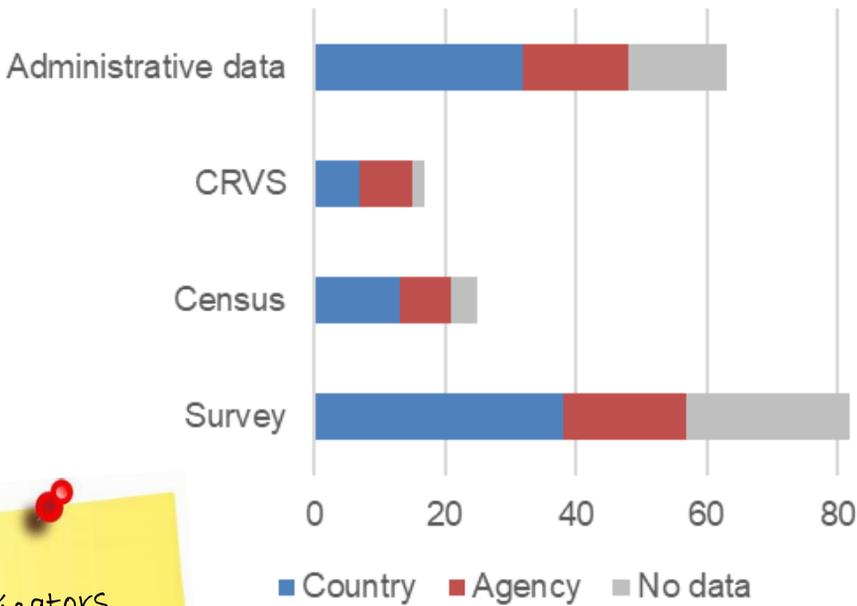
**Social: SDGs 1-5; 10-11; 16  
(128 indicators)**

**Economy: SDGs 8, 9  
(29 indicators)**

**Environment: SDGs 6, 7; 12-15  
(62 indicators)**

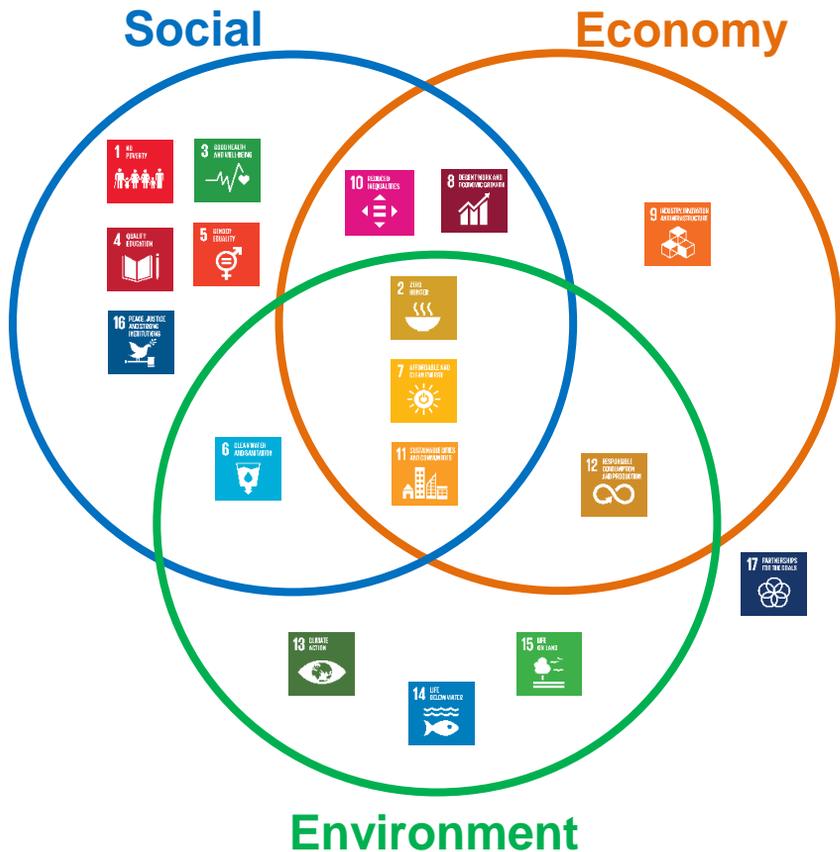
**Not classified: SDGs 17  
(25 indicators)**

# Number of indicators by source



114 indicators with sources related to PSS

# SDG is an integrated framework



**To meet vast range of quality, timely and reliable data and statistics required, NSSs need to transform**

**Asia-Pacific Statistics  
Community Proposed Solutions**

**Collective Vision and  
framework for action**

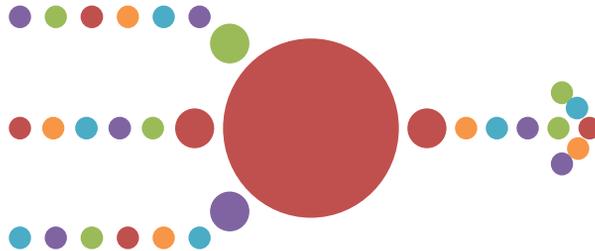
- A: Engaging users and investing in statistics**
- B: Assuring quality and instilling trust in statistics**
- C: Integrated statistics for integrated analysis**
- D: Modernizing statistical business processes**
- E: Having requisite skills set**

**Implementation Plan for  
improving PSS**

- Goal 1: Enable policy environment and maintain demand & support**
- Goal 2: Improve availability and quality of disaggregated statistics**
- Goal 3: Data accessibility, analysis, interpretation and use**

# What is Integrated Statistics?

Integrated statistics is the ultimate outcome of an integrated system of producing and using statistics.



Independent production lines united into an integrated system

# How to accelerate?

## Governance Environment

- Strong support from policy-makers
- NSO coordinator of NSS
- NSO's access to data and statistics produced by other agencies and private sector

- Close collaboration of NSO and other members of NSS

## Capacity Development

- Data science
- Statistical methodologies
- Data communication
- Negotiation skills
- Understand complex policy issues

## Close collaboration

- Revise data/statistics production procedures
- Enhance compliance with statistical standards and classifications
- Influence national administrative procedures
- Increase chance of data exchange
- Increase chance of knowledge and experience exchange

# How to deliver?

**Need to  
harmonize**

**Concepts & Definitions**

**Classifications**

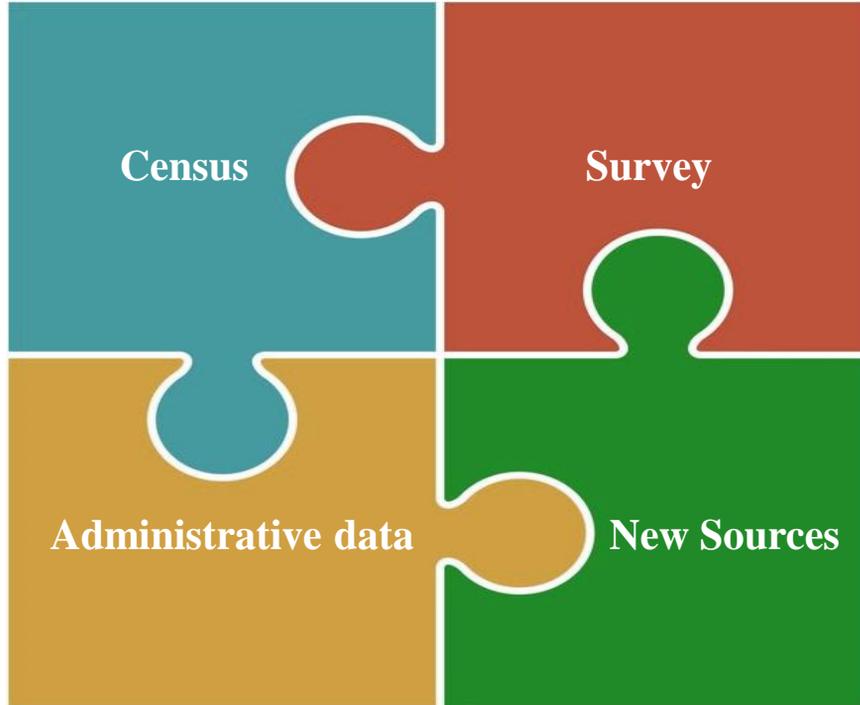
**Measurement Frameworks**

**Measurement instruments**

**Statistical Methodologies**



# Integrating different sources



# Census

## Integration of different censuses

Use common concepts, definitions, classifications, and geographic boundaries (otherwise, keep possibility of mapping)

## Integration of census with other sources

Apply standardized national addresses of ideally geo-referenced addresses

## Integration of census with administrative data

Include national identification number of units (PIN, BIN)

# Survey

## Integration of different surveys

Replace individual surveys with multi-purpose integrated surveys

Develop sampling frames to be used in all surveys within NSS and NSO without breaching confidentiality (Common frames, master samples)

## Integration of different surveys + survey with administrative data

Develop inventories, tools and resources that enable use of common concepts, definitions, classifications and measurement frameworks

# Administrative data

**Integration of  
administrative data**

Establish a statistical register system

Switch from decentralized sub-national systems to centralized national systems

Migrate from paper-based to computerized databases

**Integration of  
administrative data  
with census and  
survey**

Compliance with statistical standards and classifications

# New sources

## Use of new source and integration with other sources

Partnerships at national, regional and global levels (e.g. data collaboratives)

Capacity development for using data and integrating them with traditional sources

# How to deliver?

## Data integration

Data linkage

Dealing with mismatches

Improving data availability and quality  
(Imputation methods, SAE, ...)

Linking data  
from different  
data sources



# How can regional and global statistical community support NSSs in adoption of integrated statistics



# QA & Discussion

