

# International Seminar on Big Data

**Advancing official statistics for the  
2030 Agenda for Sustainable  
Development**

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Director, Statistics Division



# Congratulations!



 **BigDataUN** Global Working Group

 UNITED NATIONS  
**ESCAP**  
Economic and Social Commission for Asia and the Pacific

# NBS China : an active partner



**Leadership role** in global and regional statistical and geospatial communities

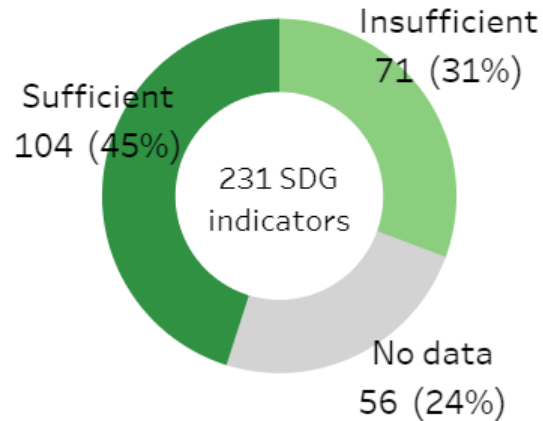
- UN Statistical Commission High-Level Group on Partnerships, Coordination and Capacity Building for the 2030 Agenda for Sustainable Development (member)
- Interagency and Expert Group for SDG Indicators (previous member)
- Global Working Group on Big Data for Official Statistics Advisory Board
- ESCAP Committee on Statistics Bureau (previous member)
- International Workshop on SDG Monitoring (2018)
- World Geospatial Information Congress (2018)



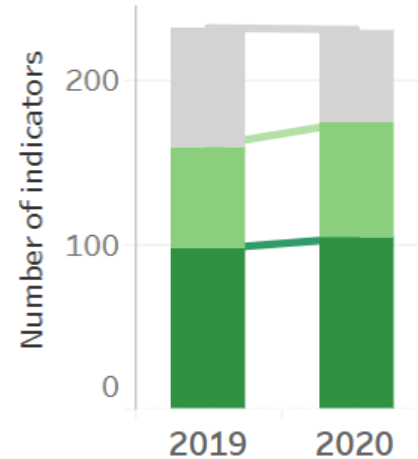
# SDG Data Challenges



Total availability for Asia-Pacific

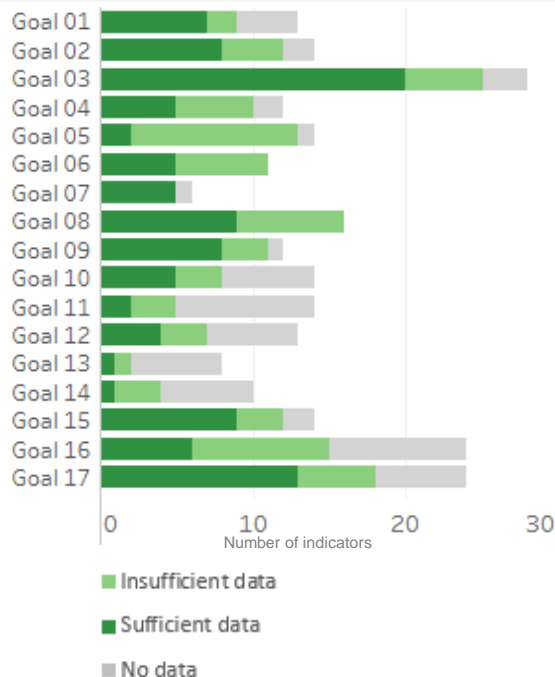


Availability by Year for Asia-Pacific

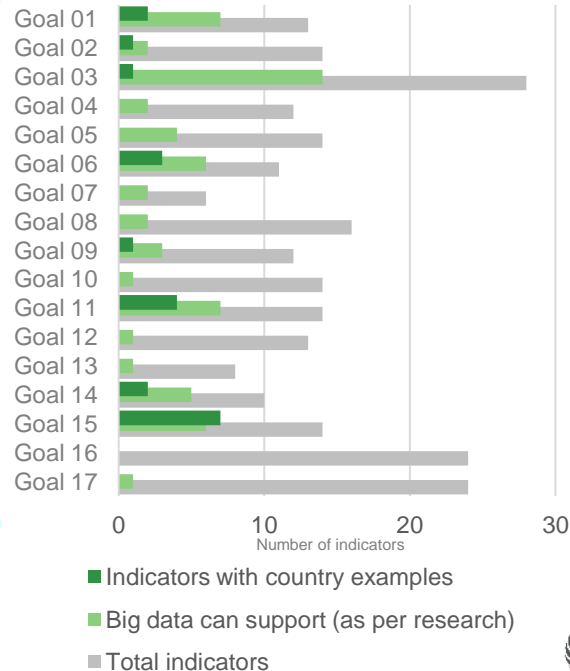


# Data availability and big data potential

Data availability by Goal for Asia-Pacific



Big Data direct/indirect potential contribution to indicators by Goal



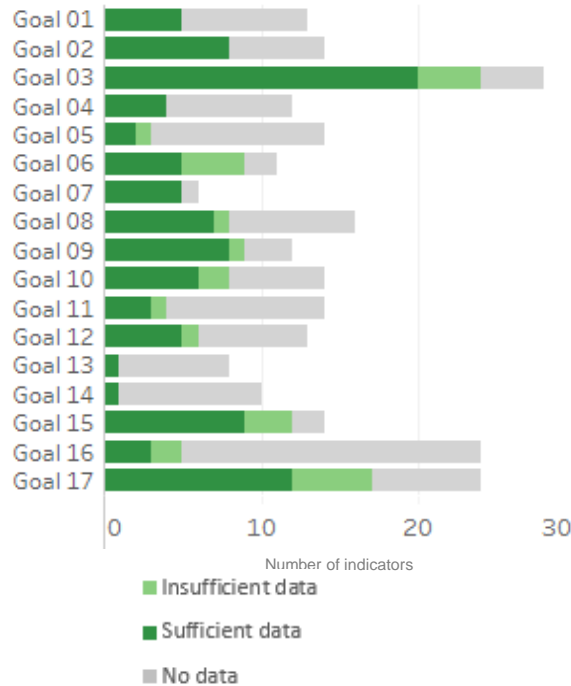
Country examples in Asia-Pacific

1.4.1  
2.4.1  
3.8.1  
6.3.2  
6.6.1  
9.1.1  
11.2.1  
11.3.1  
11.6.2  
11.7.1  
14.1.1  
14.2.1  
15.1.1  
15.1.2  
15.2.1  
15.3.1  
15.4.1  
15.4.2  
15.5.1

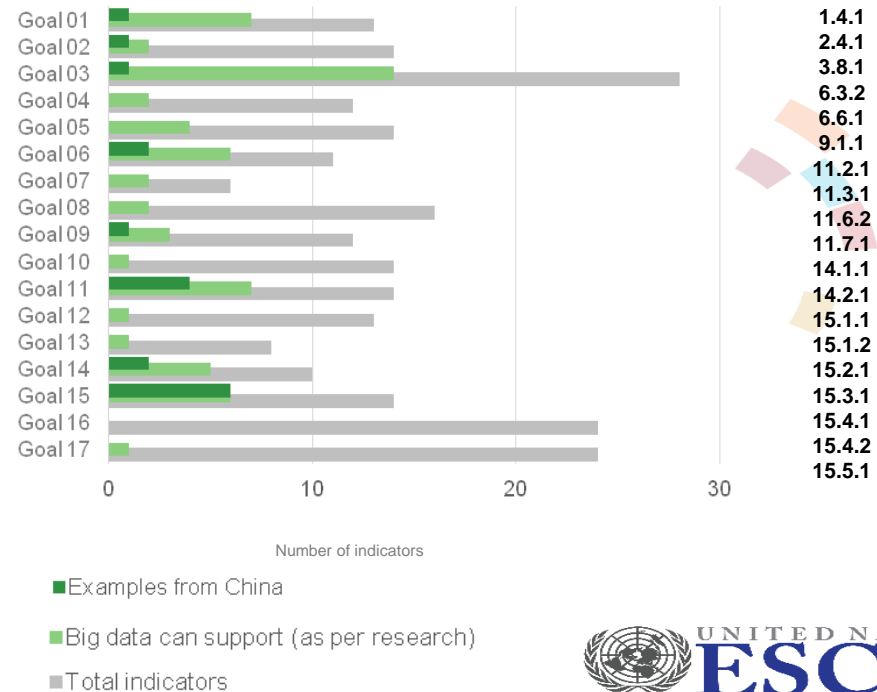
# The situation in China



Data availability by Goal for China



China country examples using big data by Goal



1.4.1  
2.4.1  
3.8.1  
6.3.2  
6.6.1  
9.1.1  
11.2.1  
11.3.1  
11.6.2  
11.7.1  
14.1.1  
14.2.1  
15.1.1  
15.1.2  
15.2.1  
15.3.1  
15.4.1  
15.4.2  
15.5.1

# SDG indicators that can be supported by big data and that have specific country examples

SDG 1	1.1.1	1.2.1	1.2.2	1.3.1	1.4.1	1.4.2	1.5.1	1.5.2	1.5.3	1.5.4	1.a.1	1.a.2	1.b.1	
SDG 2	2.1.1	2.1.2	2.2.1	2.2.2	2.2.3	2.3.1	2.3.2	2.4.1	2.5.1	2.5.2	2.a.1	2.a.2	2.b.1	2.c.1
SDG 3	3.1.1	3.1.2	3.2.1	3.2.2	3.3.1	3.3.2	3.3.3	3.3.4	3.3.5	3.4.1	3.4.2	3.5.1	3.5.2	3.6.1
	3.7.1	3.7.2	3.8.1	3.8.2	3.9.1	3.9.2	3.9.3	3.a.1	3.b.1	3.b.2	3.b.3	3.c.1	3.d.1	3.d.2
SDG 4	4.1.1	4.1.2	4.2.1	4.2.2	4.3.1	4.4.1	4.5.1	4.6.1	4.7.1	4.a.1	4.b.1	4.c.1		
SDG 5	5.1.1	5.2.1	5.2.2	5.3.1	5.3.2	5.4.1	5.5.1	5.5.2	5.6.1	5.6.2	5.a.1	5.a.2	5.b.1	5.c.1
SDG 6	6.1.1	6.2.1	6.3.1	6.3.2	6.4.1	6.4.2	6.5.1	6.5.2	6.6.1	6.a.1	6.b.1			
SDG 7	7.1.1	7.1.2	7.2.1	7.3.1	7.a.1	7.b.1								
SDG 8	8.1.1	8.2.1	8.3.1	8.4.1	8.4.2	8.5.1	8.5.2	8.6.1	8.7.1	8.8.1	8.8.2	8.9.1	8.10.1	8.10.2
SDG 9	9.1.1	9.1.2	9.2.1	9.2.2	9.3.1	9.3.2	9.4.1	9.5.1	9.5.2	9.a.1	9.b.1	9.c.1		
SDG 10	10.1.1	10.2.1	10.3.1	10.4.1	10.4.2	10.5.1	10.6.1	10.7.1	10.7.2	10.7.3	10.7.4	10.a.1	10.b.1	10.c.1
SDG 11	11.1.1	11.2.1	11.3.1	11.3.2	11.4.1	11.5.1	11.5.2	11.6.1	11.6.2	11.7.1	11.7.2	11.a.1	11.b.1	11.b.2
SDG 12	12.1.1	12.2.1	12.2.2	12.3.1	12.4.1	12.4.2	12.5.1	12.6.1	12.7.1	12.8.1	12.a.1	12.b.1	12.c.1	
SDG 13	13.1.1	13.1.2	13.1.3	13.2.1	13.2.2	13.3.1	13.a.1	13.b.1						
SDG 14	14.1.1	14.2.1	14.3.1	14.4.1	14.5.1	14.6.1	14.7.1	14.a.1	14.b.1	14.c.1				
SDG 15	15.1.1	15.1.2	15.2.1	15.3.1	15.4.1	15.4.2	15.5.1	15.6.1	15.7.1	15.8.1	15.9.1	15.a.1	15.b.1	15.c.1
SDG 16	16.1.1	16.1.2	16.1.3	16.1.4	16.2.1	16.2.2	16.2.3	16.3.1	16.3.2	16.3.3	16.4.1	16.4.2	16.5.1	16.5.2
	16.6.1	16.6.2	16.7.1	16.7.2	16.8.1	16.9.1	16.10.1	16.10.2	16.a.1	16.b.1				
SDG 17	17.1.1	17.1.2	17.2.1	17.3.1	17.3.2	17.4.1	17.5.1	17.6.1	17.7.1	17.8.1	17.9.1	17.10.1	17.11.1	17.12.1
	17.13.1	17.14.1	17.15.1	17.16.1	17.17.1	17.18.1	17.18.2	17.18.3	17.19.1	17.19.2				

1.2.2 Big data can support, no country examples

1.2.1 Big data can support, with country examples

1.4.1 Big data can support, with country examples using geospatial data

4.3.1 Country examples of using citizen-generated data (only Philippines)

15.5.1 Country example using geospatial data, indicator not included in the GEO/UN-GGIM list

# SDG indicators, big data and accounts

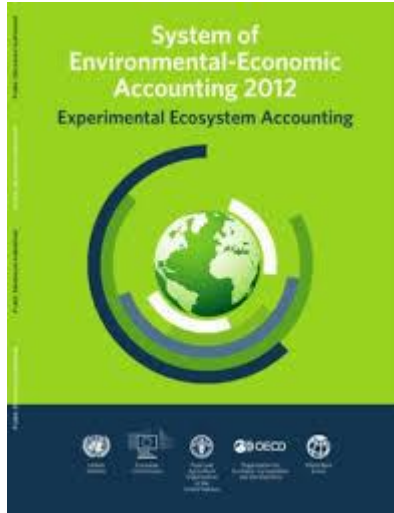
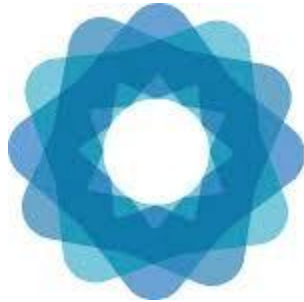


Figure 1: The information pyramid



System of  
Environmental  
Economic  
Accounting





**Congratulations!**

**Thank you for your attention**