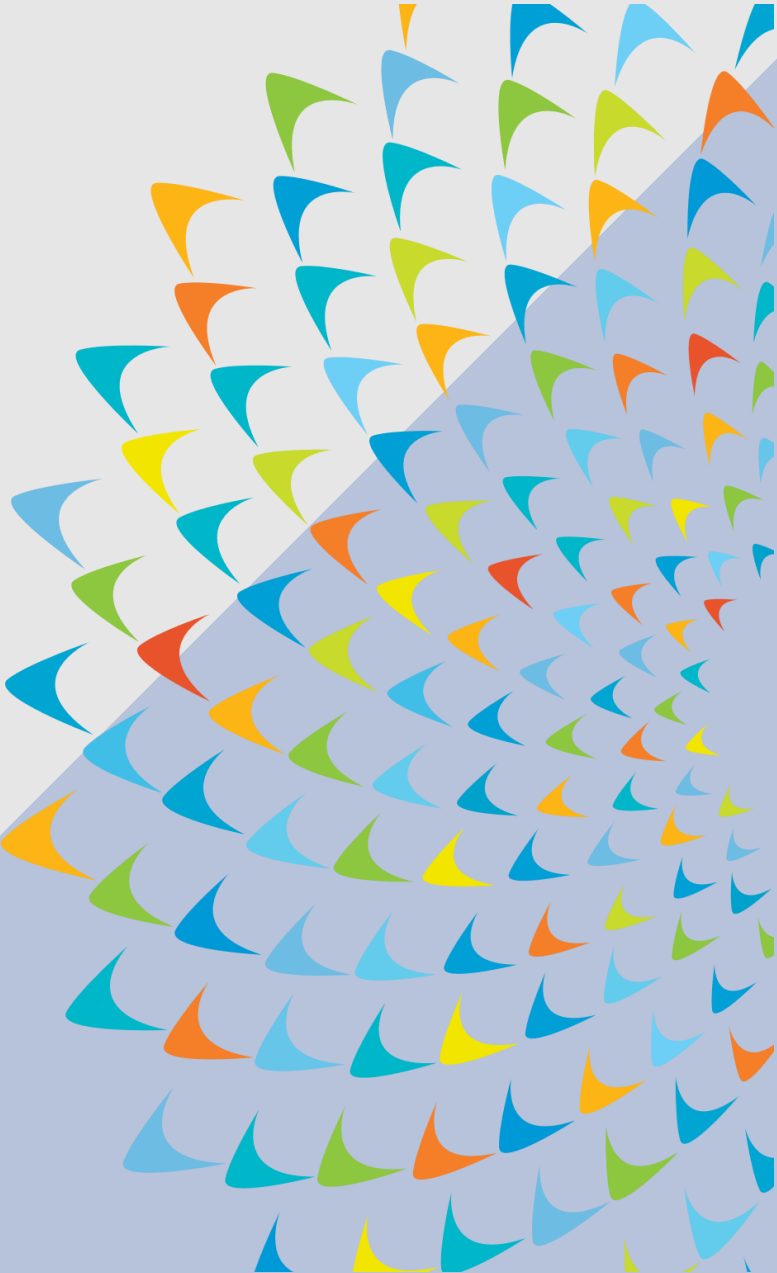


Data
disaggregation:
The *whys* and
(some) *hows*





PRACTICAL GUIDEBOOK ON DATA DISAGGREGATION FOR THE SUSTAINABLE DEVELOPMENT GOALS

MARCH 2021

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DATA DISAGGREGATION AND
THE SUSTAINABLE DEVELOPMENT
GOAL INDICATORS

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PRODUCING AND USING
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FROM POTENTIAL TO POSSIBLE



- The whys-- LNOB and the SDG
- The whys-- the statistical concept of data disaggregation
- The hows-- the disaggregation dimensions and categories
- The hows-- current standards

Developing a Strategy for Getting Disaggregated Data



CHAPTER

1

DATA DISAGGREGATION AND THE SUSTAINABLE DEVELOPMENT GOAL INDICATORS

- The whys-- LNOB and the SDG
- The whys-- the statistical concept of data disaggregation
- The hows-- the disaggregation dimensions and categories
- The hows-- current standards

Figure 1.1: Inclusive Data Charter Vision and Principles



Principle One - All populations must be included in the data

We can only achieve the “leave no one behind” goal by empowering the furthest behind. This means ensuring their voices are heard and their experiences are represented through data and analytics. We need to acknowledge all people, make them visible in the data to understand their lives, and include them in the development process.



Principle Two - All data should, wherever possible, be disaggregated in order to accurately describe all populations

We recognize that data should be disaggregated by sex, age, geographic location, and disability status and, where possible, by income, race, ethnicity, migratory status, and other characteristics relevant in national contexts.



Principle Three - Data should be drawn from all available sources

We recognize the need to make high-quality, timely data from official and non-official sources accessible, and that these should include new data sources, where consistent with internationally accepted statistical standards.



Principle Four - Those responsible for the collection of data and production of statistics must be accountable

We will balance the principles of transparency - maximizing the availability of disaggregated data - confidentiality, and privacy to ensure personal data is not abused, misused, or putting anyone at risk of identification or discrimination, in accordance with national laws and the Fundamental Principles of Official Statistics.



Principle Five - Human and technical capacity to collect, analyze, and use disaggregated data must be improved, including through adequate and sustainable financing

We recognize that collecting and analyzing disaggregated data needs specific skills and these must be built. We recognize the need to finance data collection, analysis, and use appropriately and sustainably so that high-quality data can be collected and used by governments as well as by businesses, civil society, and citizens.

Source: Global Partnership for Sustainable Development Data. Inclusive Data Charter vision and principles. https://www.data4sdgs.org/sites/default/files/2018-08/IDC_onepager_Final.pdf.

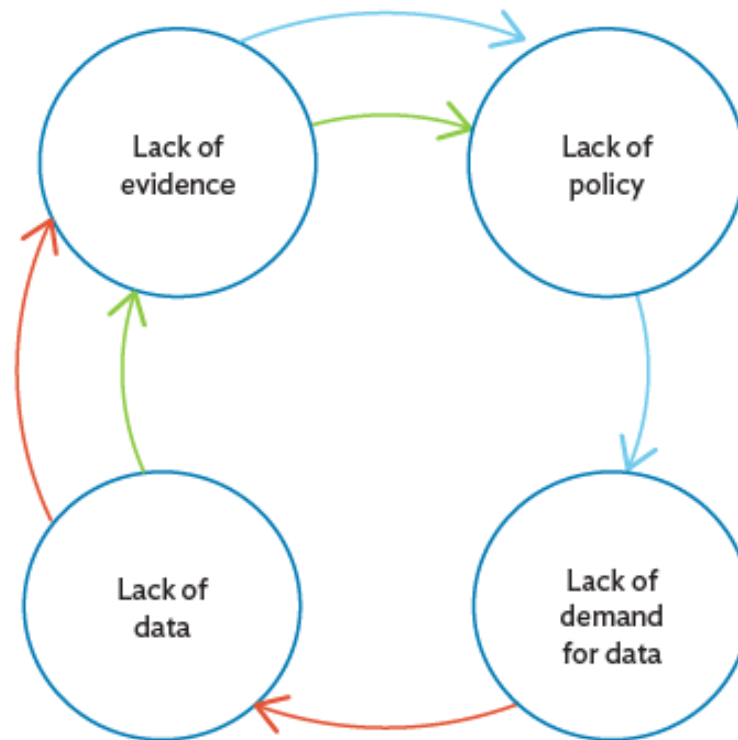


Guiding principles

- Policy-Data and Data-Policy Nexus
- HRBA to Data

Policy priorities for 7 vulnerable populations (IAEG-SDGs)

Figure 2.1: The Policy-Data and Data-Policy Nexus



Source: A. Bidarbakht-Nia. 2018. Connecting policymakers and data producers. *United Nations Economic and Social Commission for Asia and the Pacific blog*. 22 August. <https://www.unescap.org/blog/connecting-policymakers-and-data-producers>.

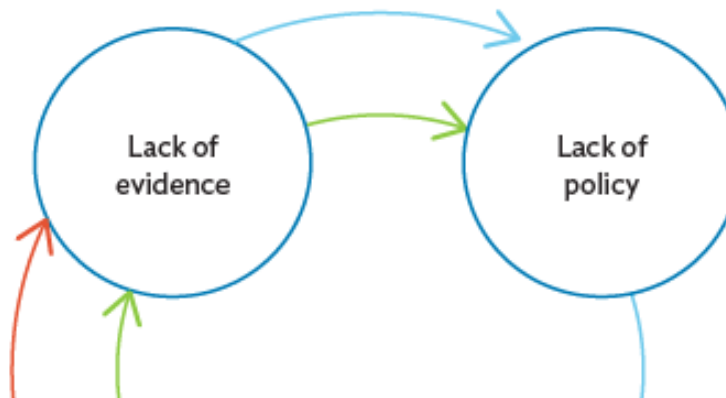


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Figure 2.1: The Policy-Data and Data-Policy Nexus



Population Group	Policy Priorities
Poor	<ul style="list-style-type: none"> • Inclusive and pro-poor growth • Social protection systems and floors • Effective governance, including participation and use of available resources
Women and girls	<ul style="list-style-type: none"> • Poverty eradication • Food insecurity and health • Education • Access to economic resources and decent work for all • Gendered impacts of climate change



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Policy priorities for 7 vulnerable populations (IAEG-SDGs)

Population Group	
Poor	<ul style="list-style-type: none"> • Inc • So • Eff
Women and girls	<ul style="list-style-type: none"> • Po • Fo • Ed • Ac • Ge



able resources

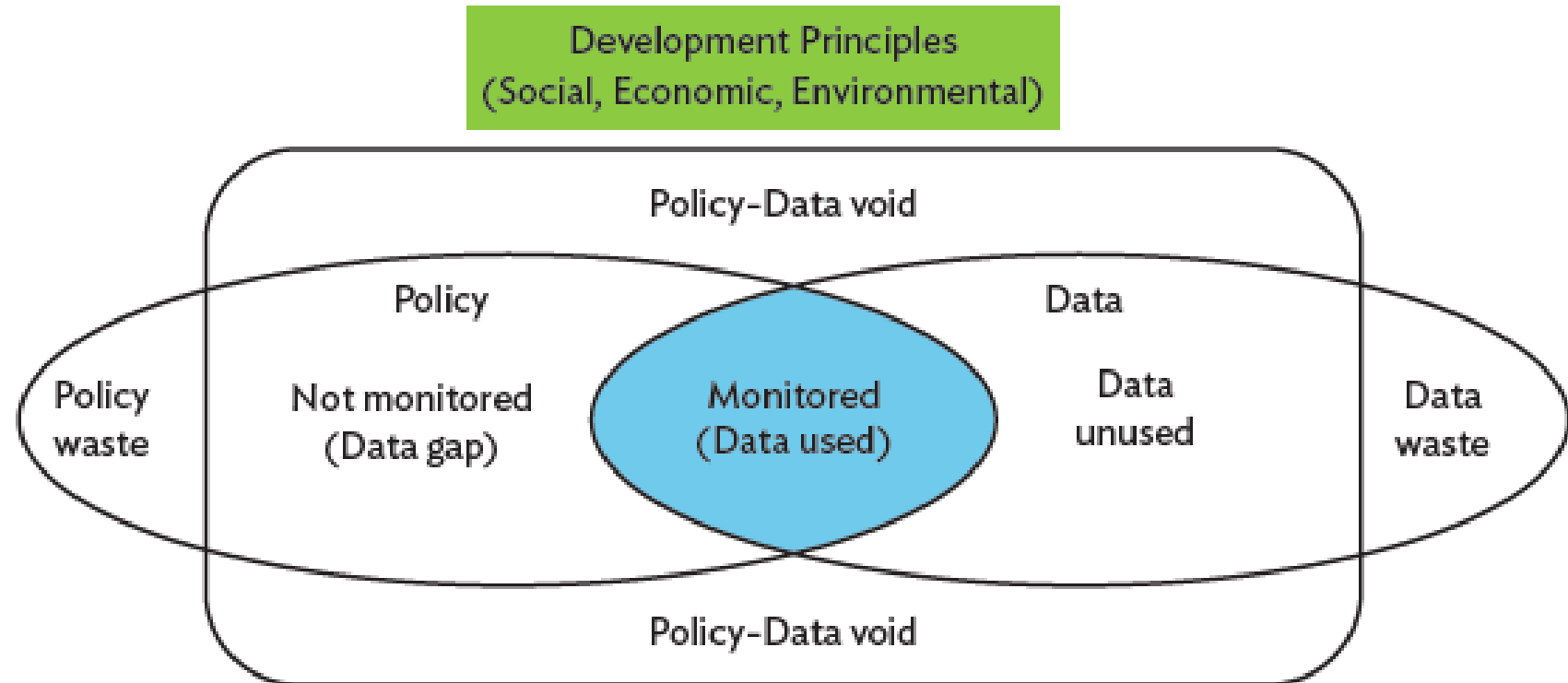


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Tools: EPIC, ADAPT, StaTact





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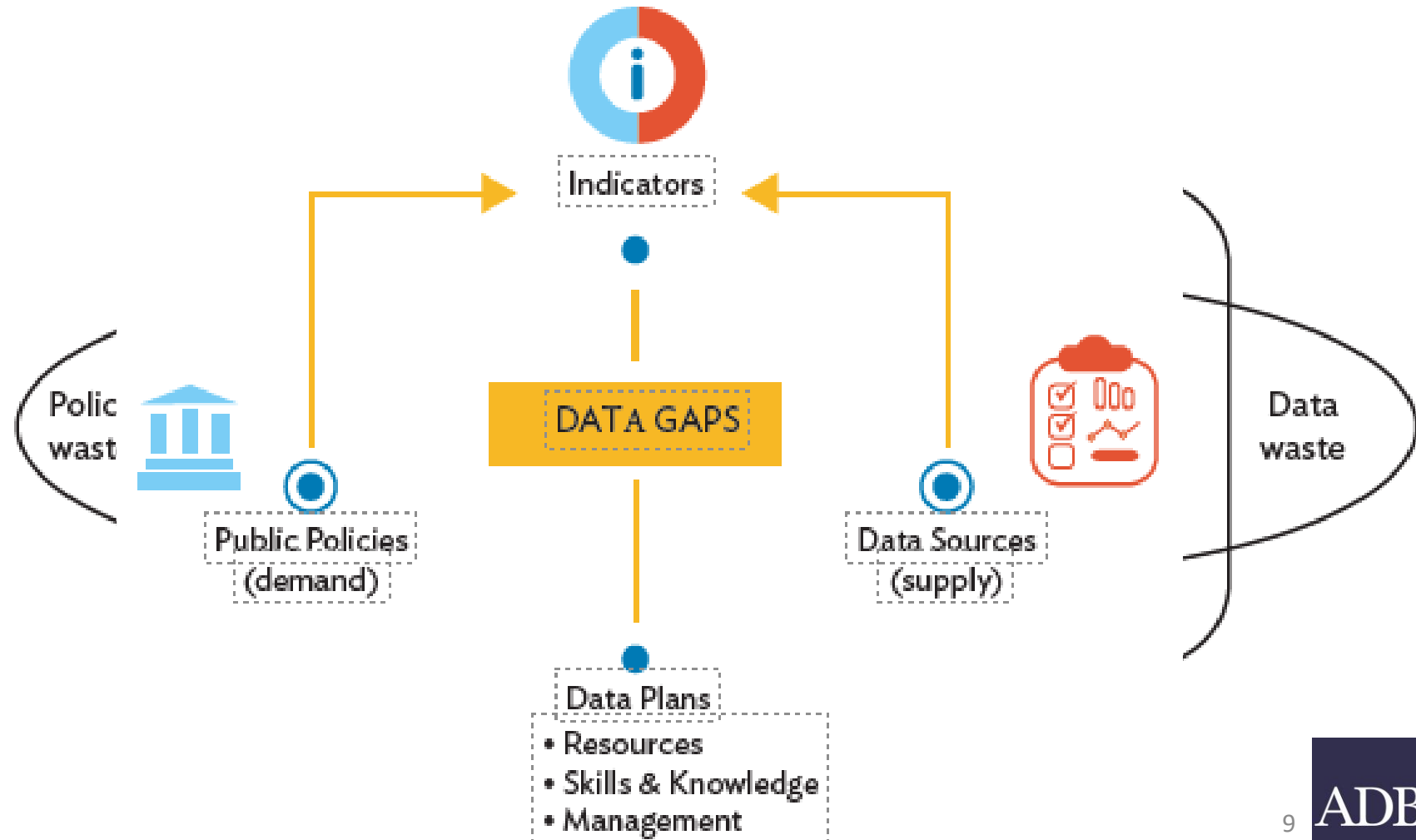
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3

SOURCES OF DISAGGREGATED DATA: STRENGTHS, POTENTIALS AND LIMITATIONS

- Census data
- Survey data
- Administrative reporting systems ()
- Small-area estimation
- Big data, geospatial data
- Data integration



INTRODUCTION TO SMALL AREA ESTIMATION TECHNIQUES

A Practical Guide for National Statistics Offices

MAY 2020



MAPPING POVERTY THROUGH DATA INTEGRATION AND ARTIFICIAL INTELLIGENCE

*A Special Supplement of the Key Indicators for Asia
and the Pacific 2020*



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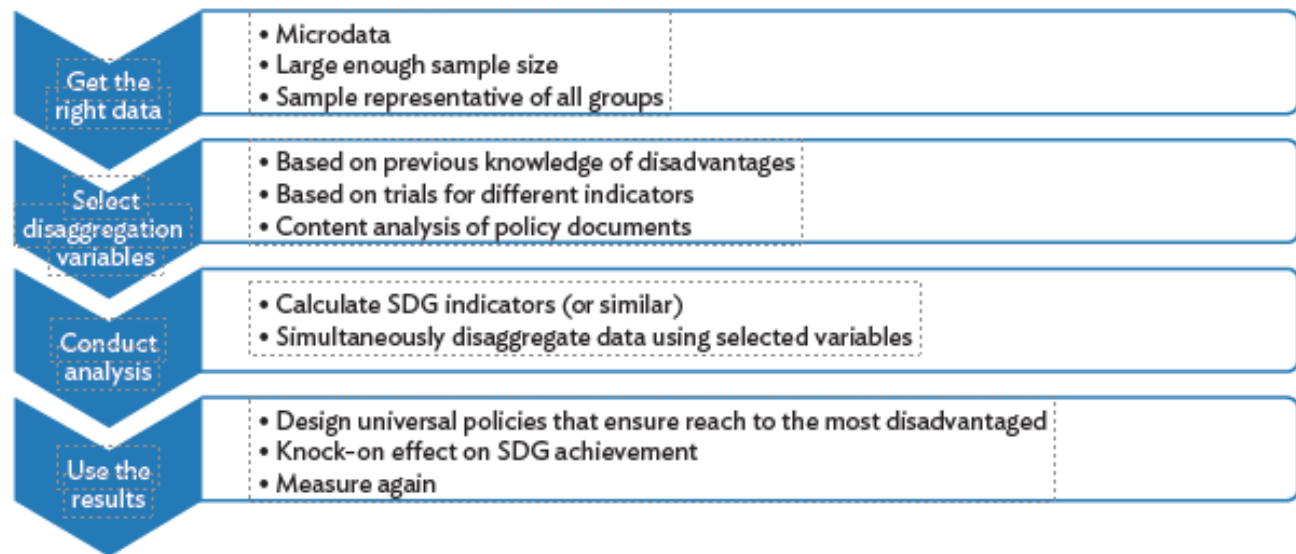
4

ANALYSIS OF DISAGGREGATED DATA IN AID OF LEAVE-NO-ONE-BEHIND

The whys and hows

- Multi-level disaggregation analysis of SDG indicators
- Equity assessments
- Telling stories through data visualization

Figure 4.6: Framework for Leave No One Behind Analysis



SDG = Sustainable Development Goal.

Source: United Nations Entity for Gender Equality and the Empowerment of Women (UN Women). 2020. *Module 7: Multilevel Disaggregation Analysis to Monitor the SDGs from a Leave No One Behind Perspective—Training Syllabus*. https://data.unwomen.org/sites/default/files/documents/Asia-Pacific-Training-Curriculum/Module7/Module7_Syllabus_LNOB.pdf.



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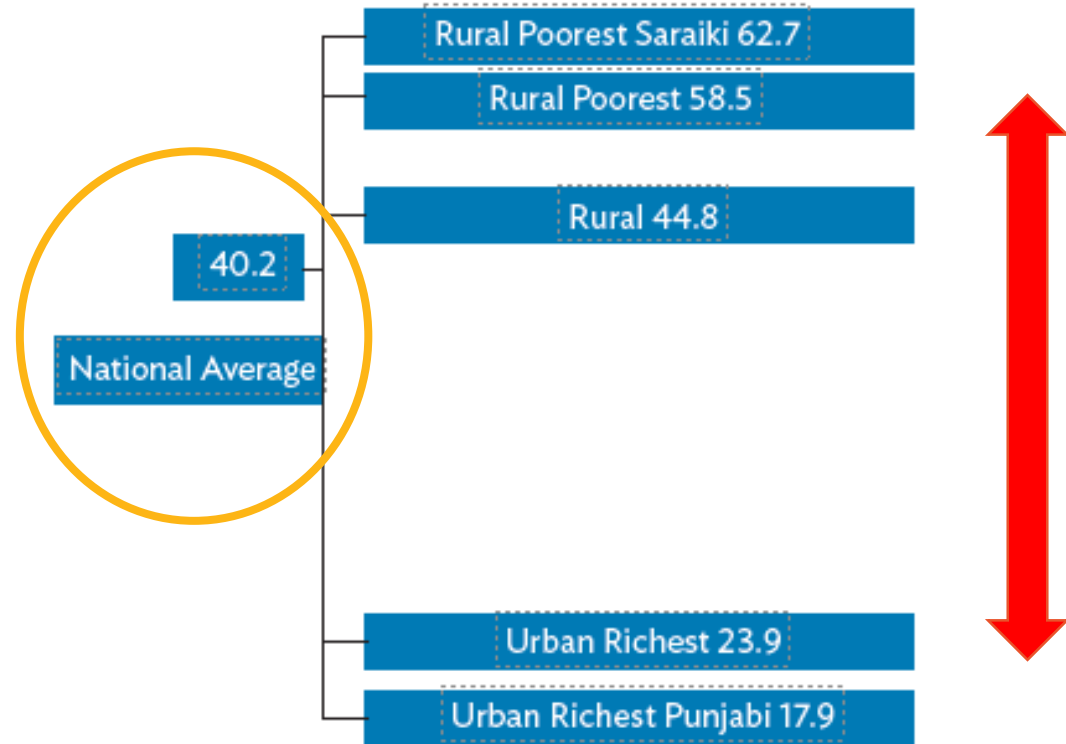
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Figure 4.4: Proportion of Women Aged 18–49 Who Were Married or in a Union before Age 18 in Pakistan, 2012–2013





CHAPTER

5

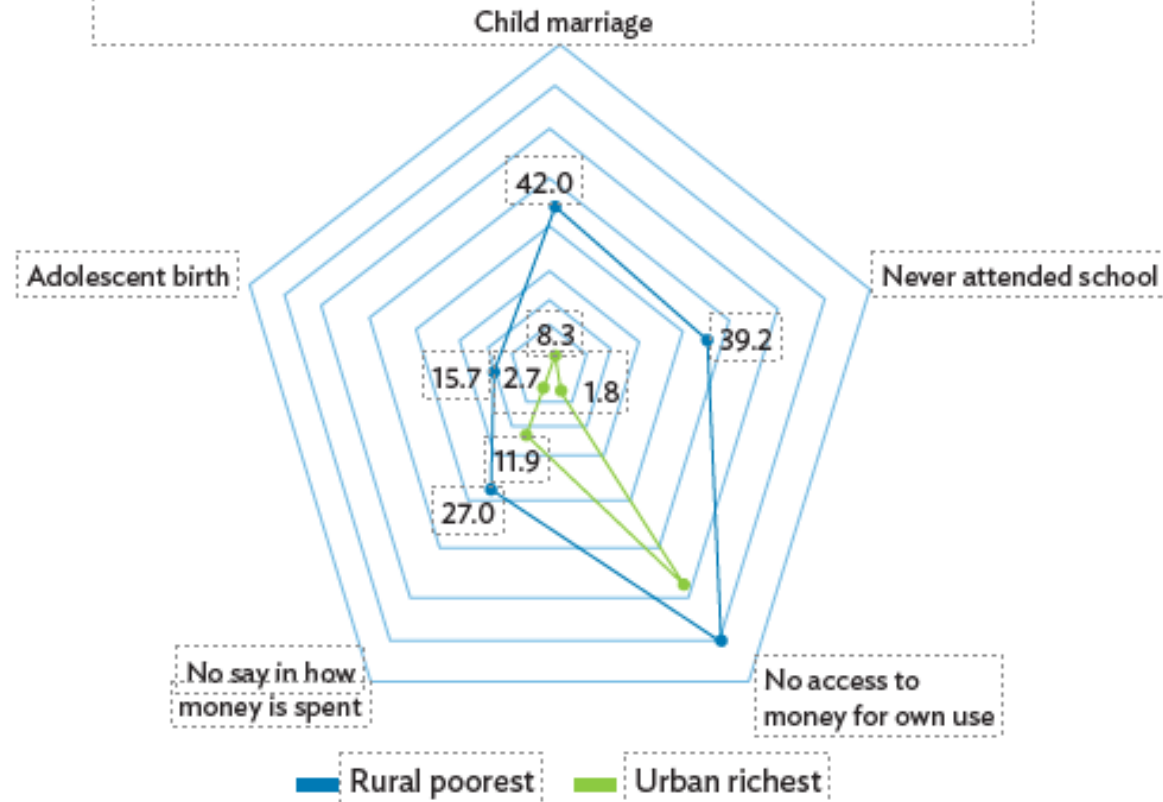
REPORTING, COMMUNICATING,
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The whys and hows

- Data flows in sharing and reporting SDG progress
- Dissemination tools
- Improving communication
- Use cases

Figure 5.1: Spider Chart Visualization of Multidimensional Inequalities

Inequalities between poorest rural and richest urban Indian women, various indicators, percentage, 2015-2016





CHAPTER

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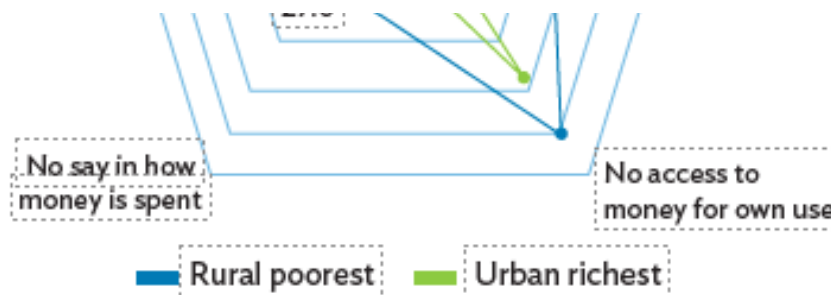
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Child marriage

Understanding Usability of SDG National Reporting Platforms





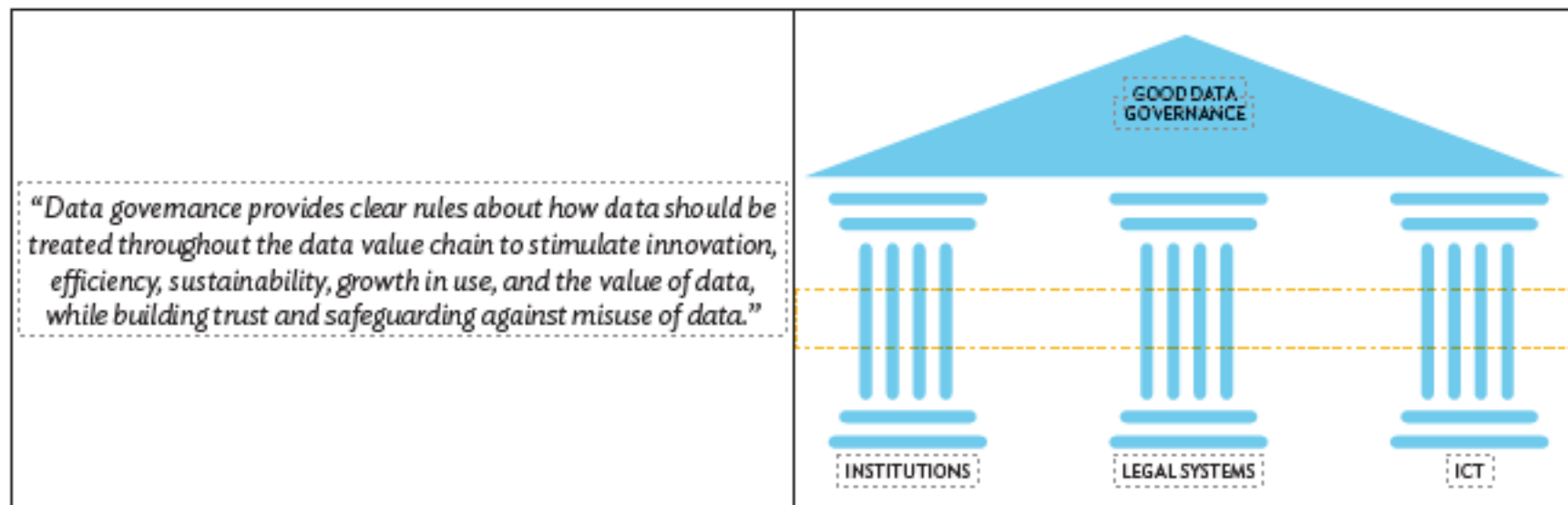
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PRODUCING AND USING
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FROM POTENTIAL TO POSSIBLE

- Why required disaggregated data are often not available
- Ongoing capacity development initiatives that may help NSSs to address these issues

Figure 6.2: Definition of Data Governance



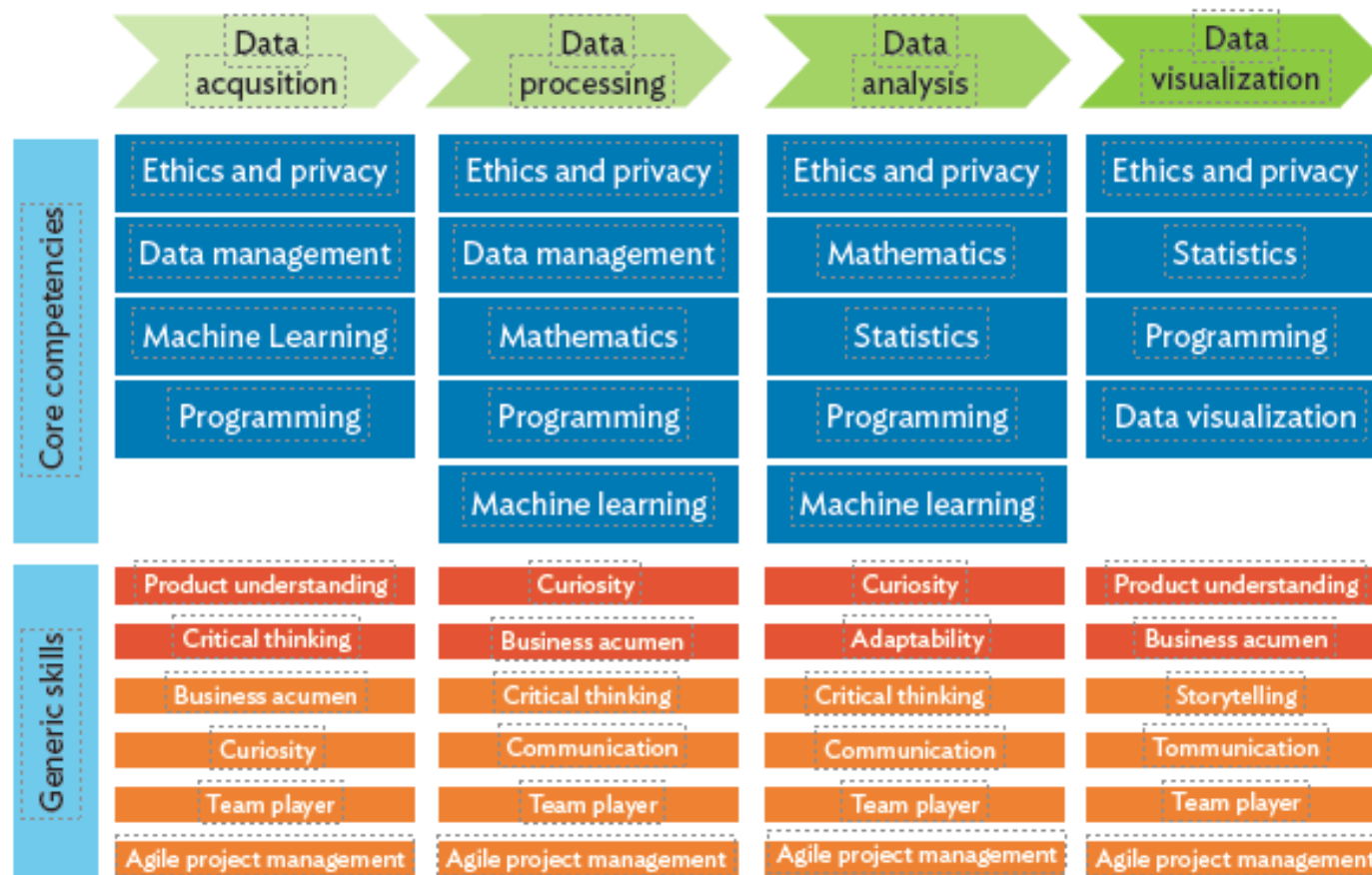


CHAPTER 6

PRODUCING AND USING DISAGGREGATED DATA— FROM POTENTIAL TO POSSIBLE

- Why required disaggregated data are often not available
- *How?* Ongoing capacity development initiatives that may help NSSs to address these issues

Figure 6.3: Big Data-Related Competencies





CHAPTER 6

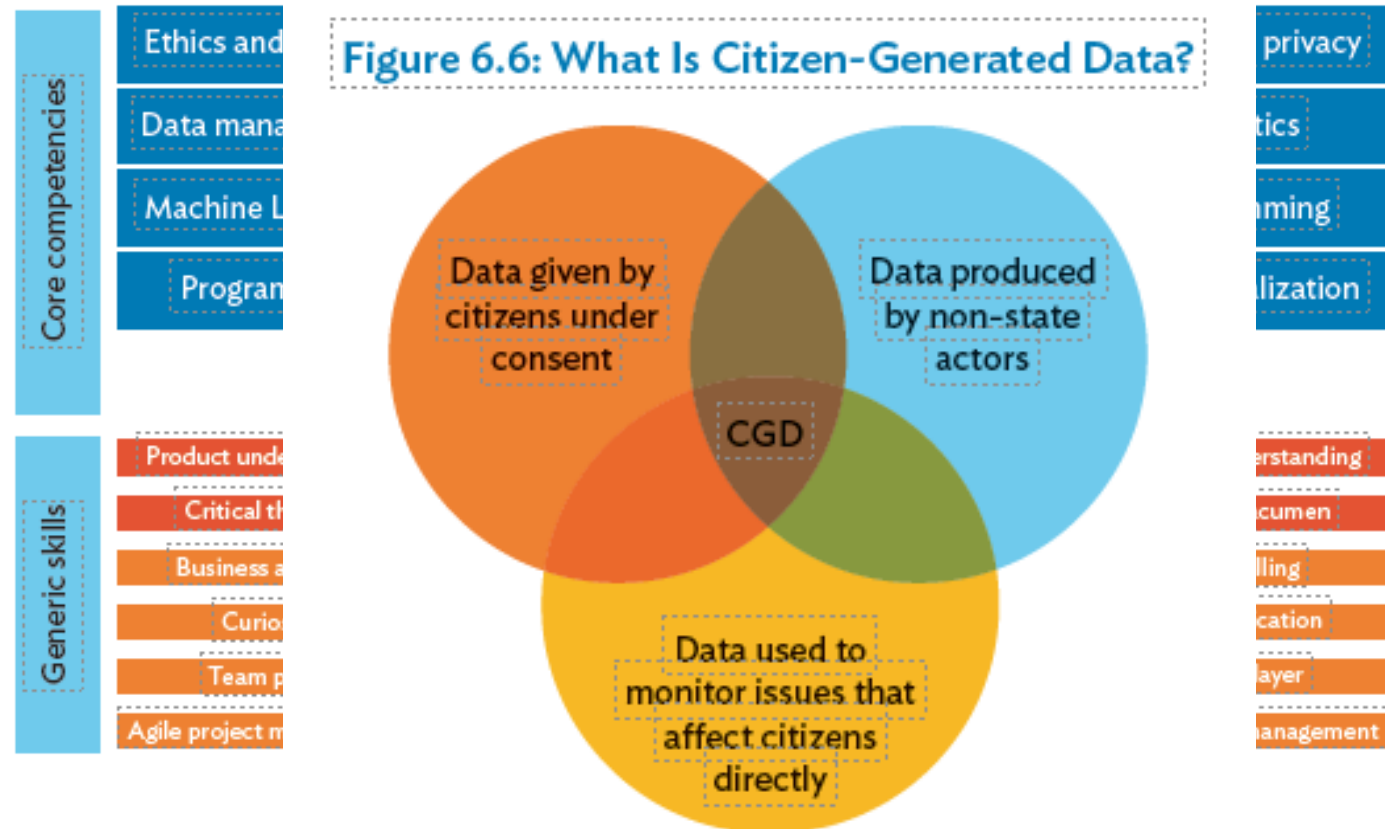
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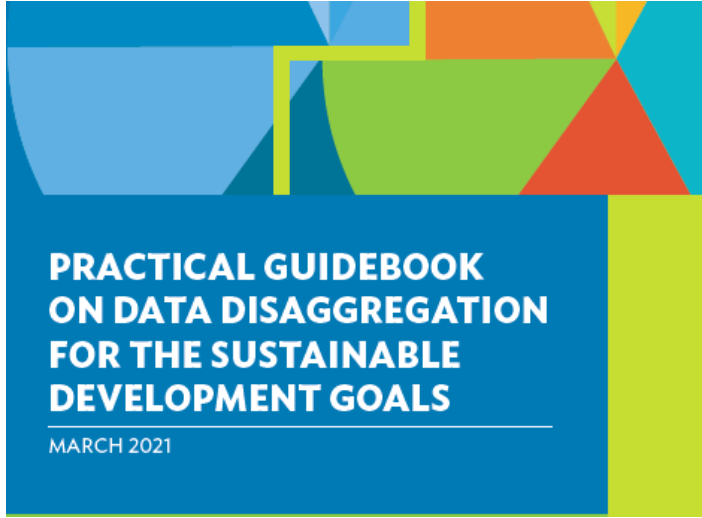
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- *How?* Ongoing capacity development initiatives that may help NSSs to address these issues

Figure 6.3: Big Data-Related Competencies



Figure 6.6: What Is Citizen-Generated Data?





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