



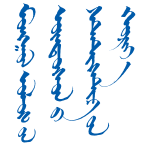
**NATIONAL
STATISTICS OFFICE
OF MONGOLIA**

SUSTAINABLE DEVELOPMENT GOALS: DATA AVAILABILITY AND CHALLENGES

Ulaanbaatar
2021.10.04



CONTENTS



Availability of data for Sustainable Development Goals (SDGs)

The role of statistical organization in implementing SDGs

Challenges

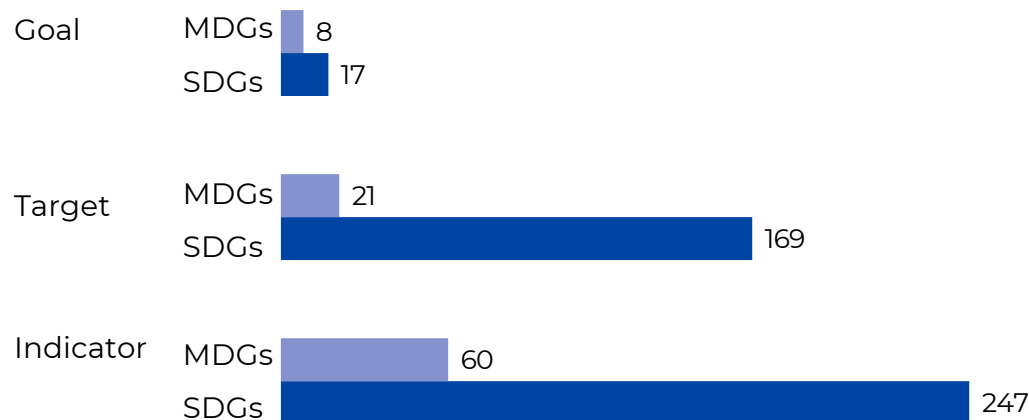




AVAILABILITY OF DATA FOR SDG INDICATORS

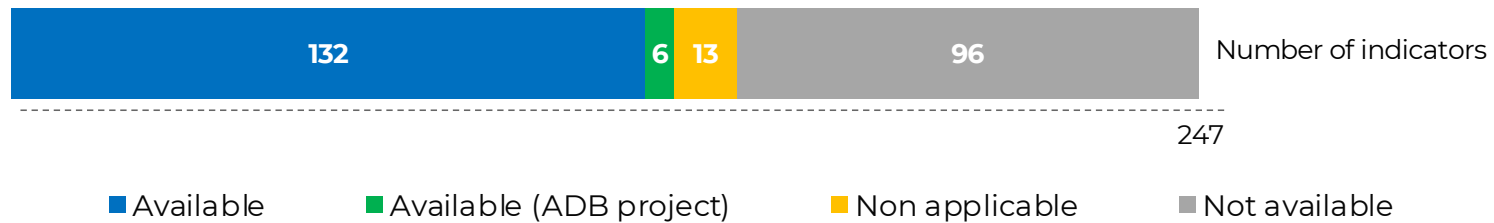
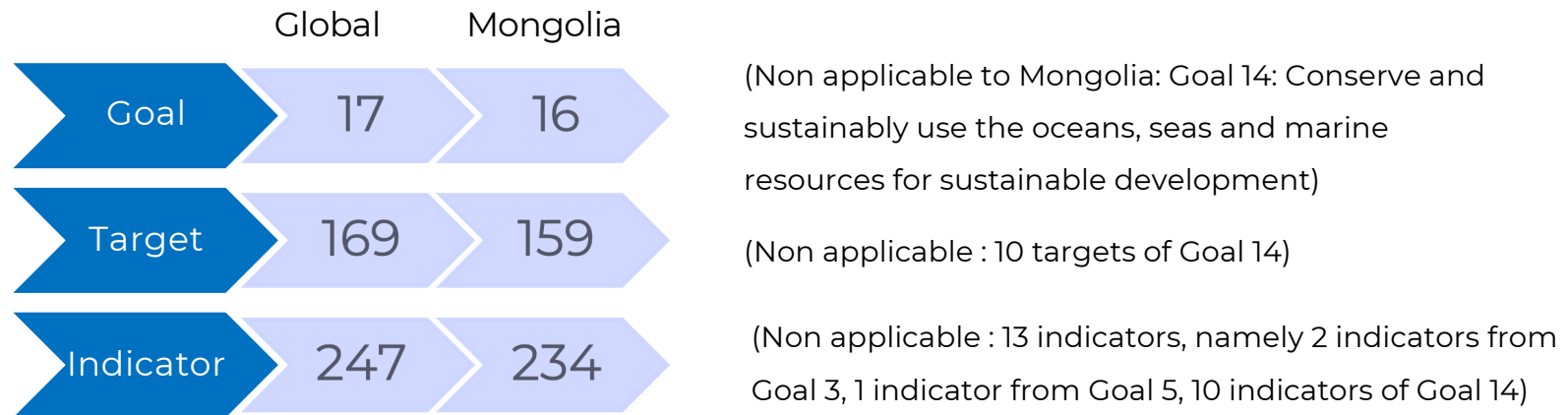
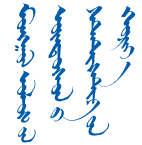


Data requirements by SDGs



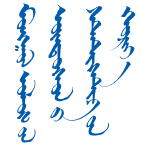


AVAILABILITY OF DATA FOR SDG INDICATORS

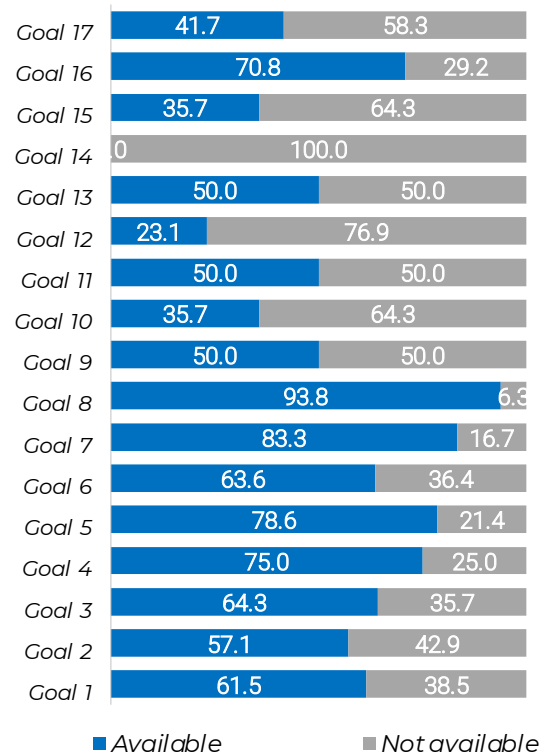




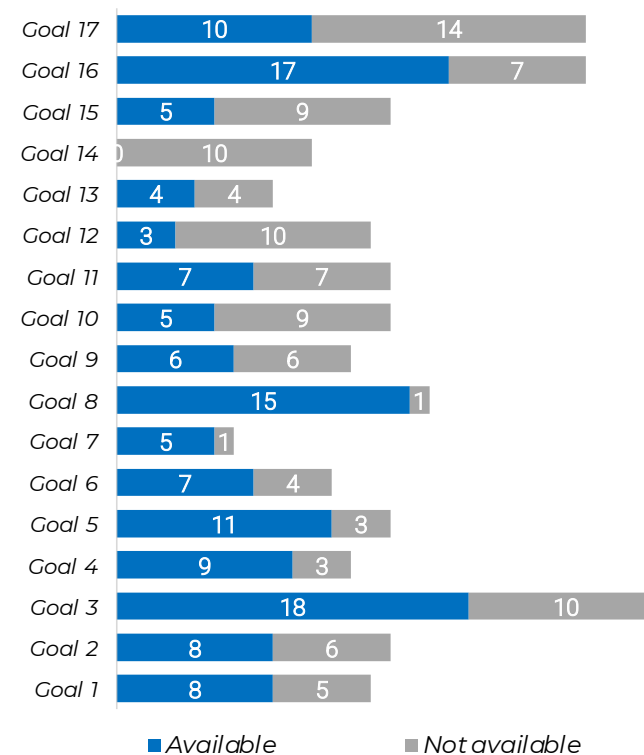
AVAILABILITY OF DATA FOR SDG INDICATORS



By percentage

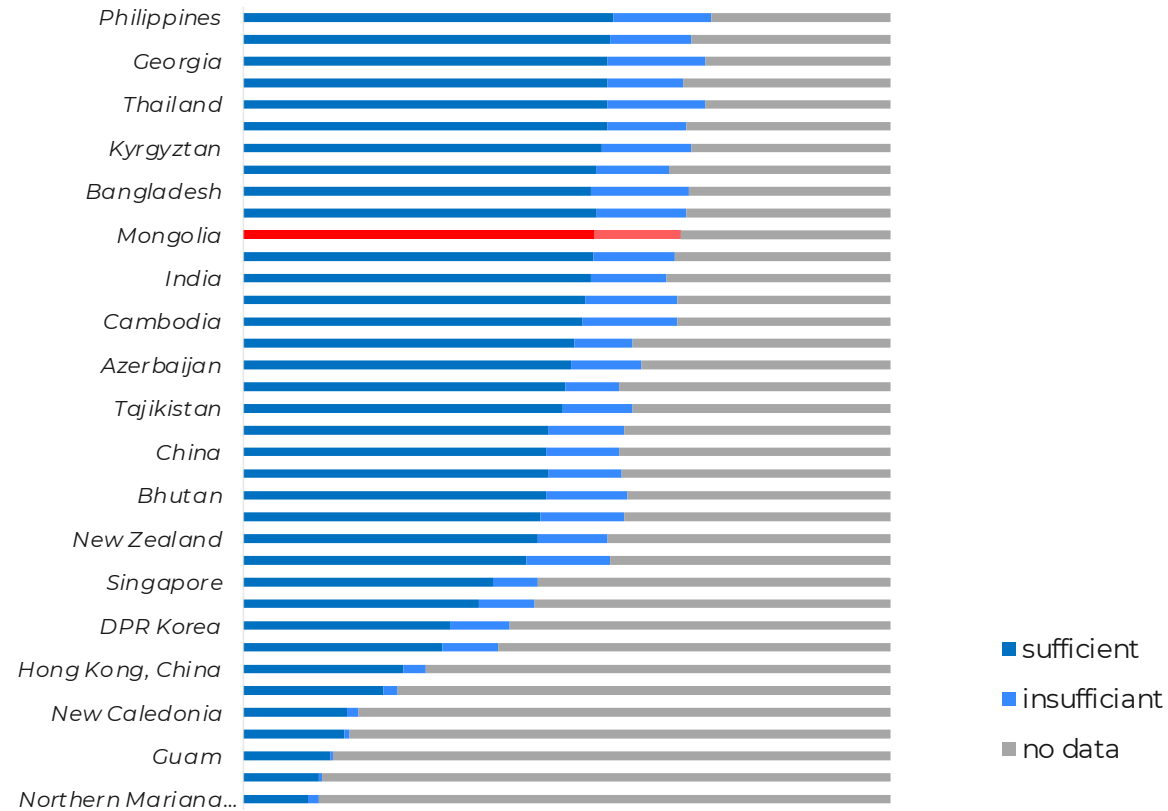
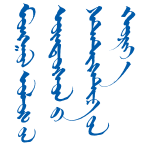


Number of indicators





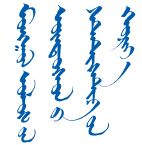
SDG DATA AVAILABILITY IN THE ASIA-PACIFIC



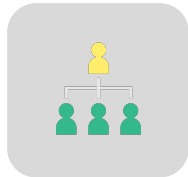
Data source: [UNESCAP, SDG GATEWAY ASIA PACIFIC, 2020](#)



THE ROLE OF STATISTICAL ORGANIZATION IN IMPLEMENTING SDGs



Law on Statistics



The National Statistics Office shall provide the official statistical activities with centralized and unified management and co-ordination.

The legislation on development policy and planning and its management



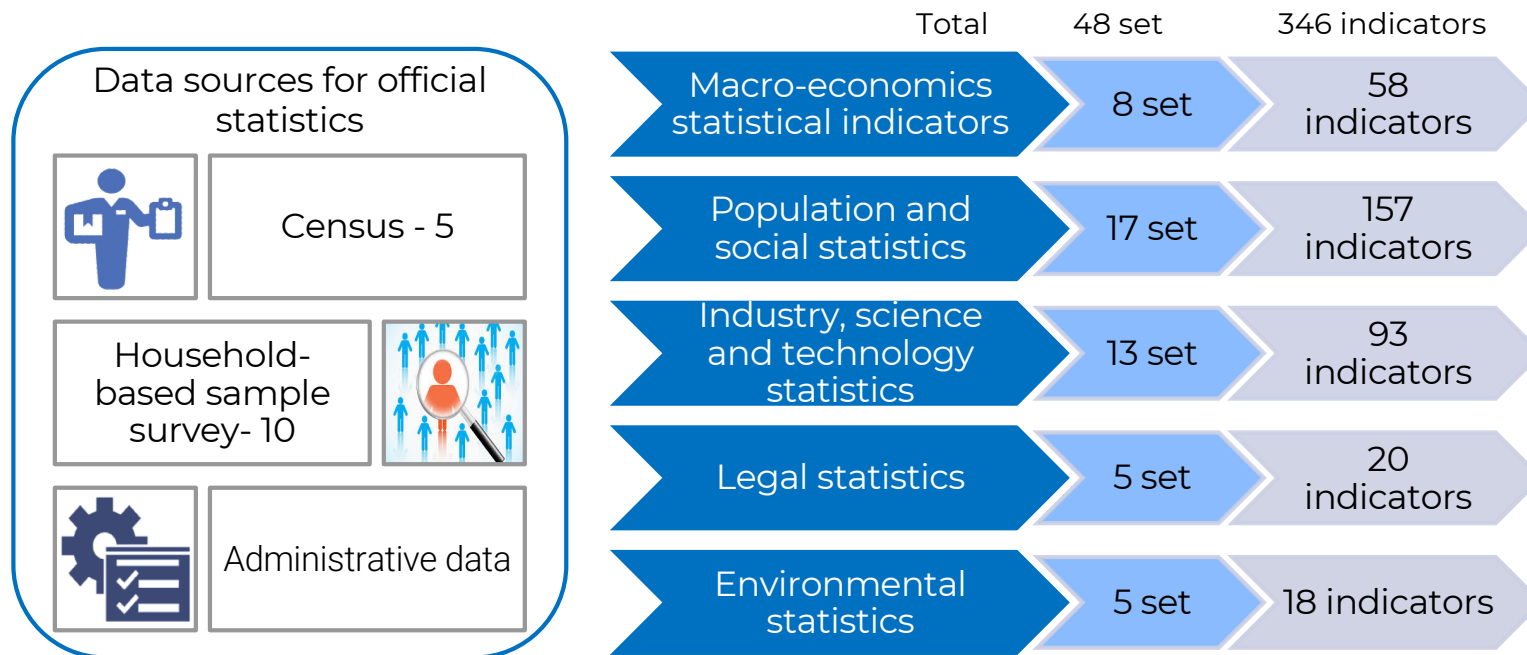
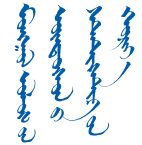
to prepare, time after time, official statistics required for drafting the development policy and planning documents, planning policy, evaluating performance, conducting monitoring and evaluation on the implementation



to offer methodology and specialized consultation required for determination and establishment of parameters, their sources and estimation methods necessary for the drafting of development policy and planning documents



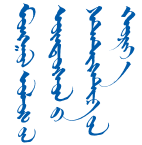
THE ROLE OF STATISTICAL ORGANIZATION IN IMPLEMENTING SDGs



* 94 SDGs indicators are measured using official statistics.



THE ROLE OF STATISTICAL ORGANIZATION IN IMPLEMENTING SDGs



Assess data availability
of SDG indicators

Study, develop and
enforce methods for
calculation of SDG
indicators

Identify and generate
data sources for the
indicators that are not
estimated

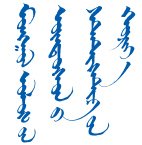
Estimate indicators,
and collect and
disseminate data at
national, regional and
global levels

Build statistical
capacity and
strengthen
cooperation

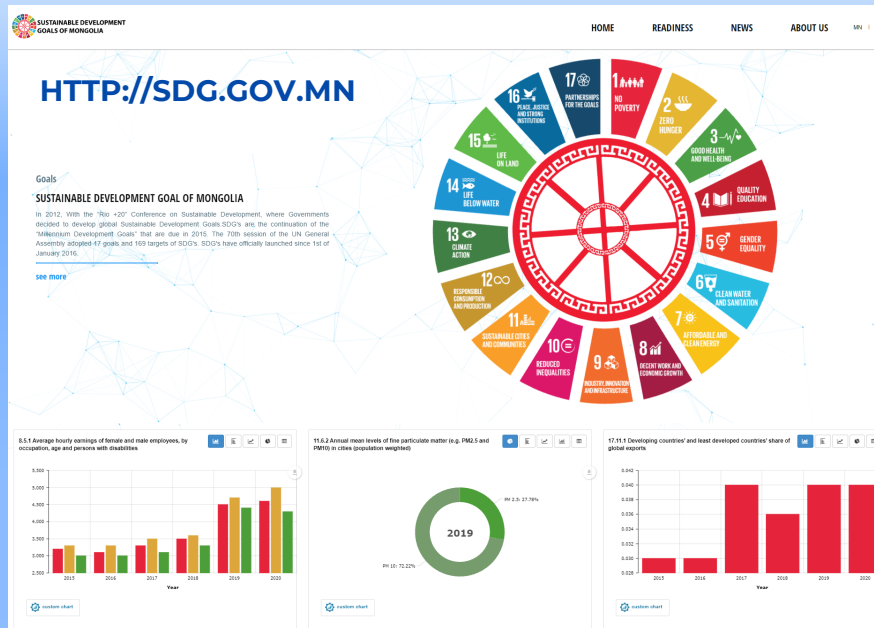
Create a platform to
report SDG progress
and implementation
at national and
international levels



THE ROLE OF STATISTICAL ORGANIZATION IN IMPLEMENTING SDGs



SDG IMPLEMENTATION MONITORING SYSTEM

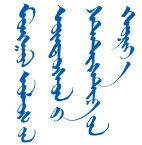


- ✓ Monitoring and evaluation of the progress and implementation of the SDGs
- ✓ Establishment of information flows
- ✓ Facilitation of the exchange of data between government agencies.





SIGNIFICANCE OF INDICATOR ESTIMATION AND USE



Where have we been ?

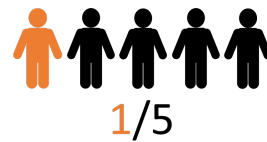
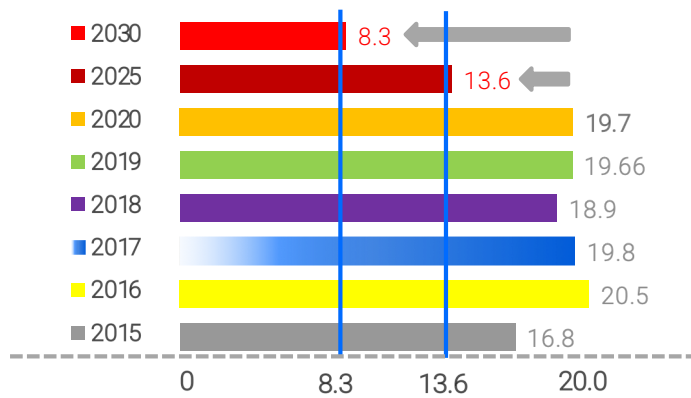
Where have we reached ?

Where do we go ?



Example: Monitoring of the implementation

SDG indicator 8.6.1. Proportion of youth (aged 15-24 years) not in education, employment or training



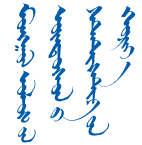
- What progress has been made between 2015-2020?
- Will the goal be achieved by 2025/2030?
- How far is it from the goal? Is it slow or fast?



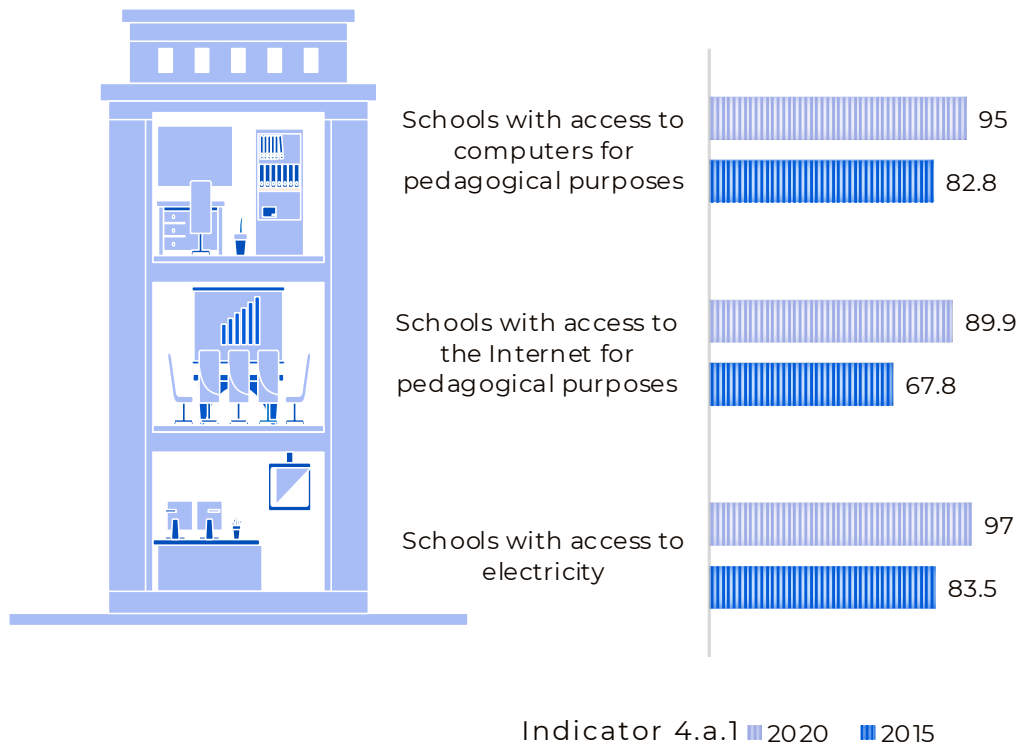
- Are policies and activities effective?
- Are the needs met?
- How to improve?
- What is the problem?
- How to speed up?



SIGNIFICANCE OF INDICATOR ESTIMATION AND USE



Example: Use of the indicators for development and implementation of policy



Vision 2050:

Ensure equal access for all people to quality education



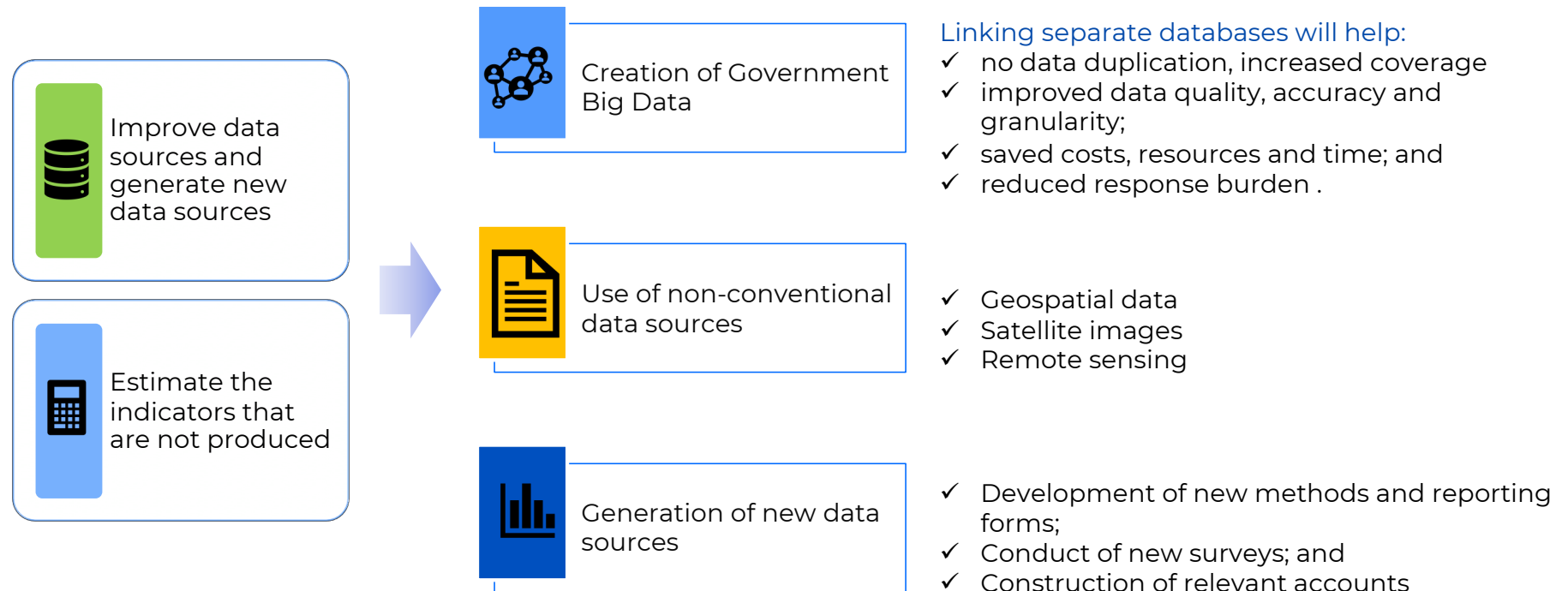
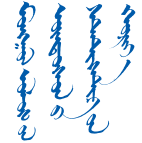
A legal change in a draft revision to the General Education Law



Digital transformation in education, digital education, and e-learning

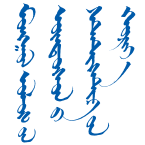


WAYS TO ENHANCE DATA AVAILABILITY

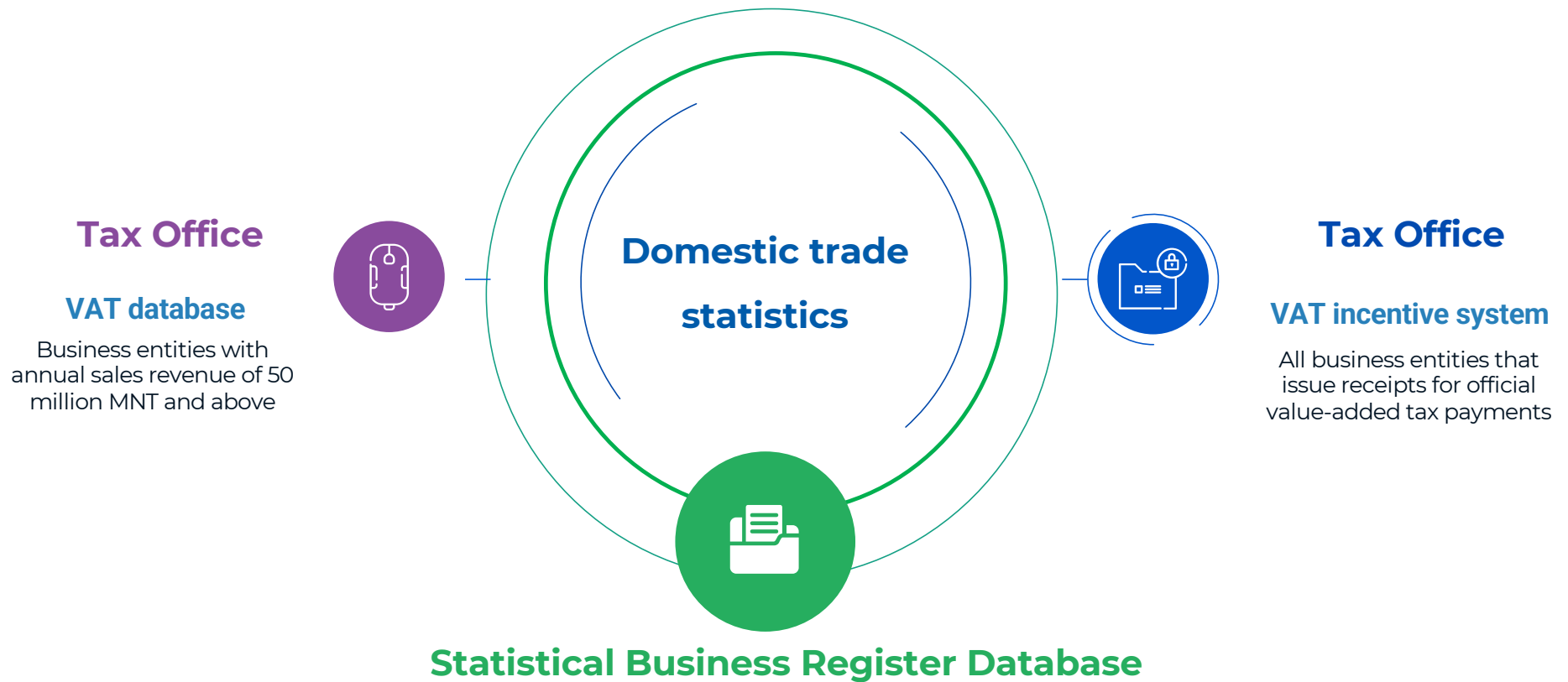


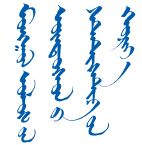


GOVERNMENT BIG DATA



Collection of data on sales revenue using enterprise IDs





Domestic trade statistics

- Data coverage and quality improved
- Data frequency increased
- Time, budget and expenses saved, and environmentally friendly system adopted.
- Workload of staff working at primary units reduced.
- Burden on respondents or business entities reduced.



Sample – 10%
2600 business entities



Exhaustive
10800 business entities



Quarterly



Monthly



Number of printed form -
6760



Number of printed form - **0**



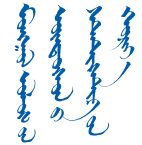
Data collected from **150-170** business entities in 1 district



5-8 business entities



USE OF NON-CONVENTIONAL DATA SOURCES



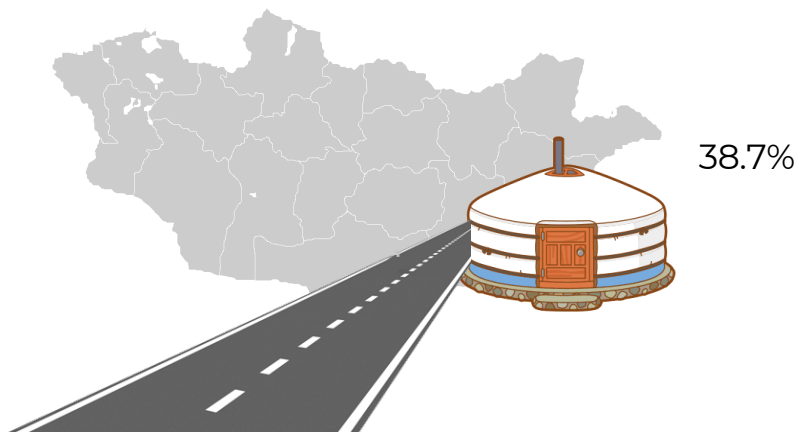
Utilization of geospatial data and statistical database for production of SDG indicator

(Experimental estimation, ADB-NSO Project, 2019)

Indicator 9.1.1. Proportion of the rural population who live within 2 km of an all-season road

Data source:

- Road network data (open street map) and
- Population statistics



Measurement of harvest using remote sensing

(Support from the Smart Government)

Satellite + Machine learning
Drone Random Forest → Crop types, harvest

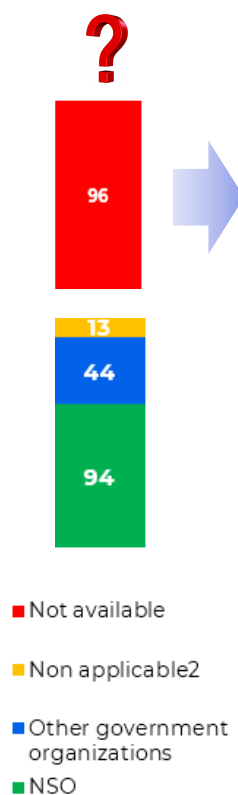




GENERATION OF NEW DATA SOURCES



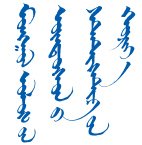
96 indicators that are not produced



Goal	Number of indicators unavailable	Institutions responsible for production of indicator(s)	Institutions responsible for indicator(s) at policy level
Goal 1	5	NSO, MoF, MLSP	MoF, MLSP
Goal 2	6	NSO, MoFALI, MoH, ALAMGC	MoFALI, MoH, MET, ALAMGC
Goal 3	8	MoH, NPA, MoF	MoH, MOJHA, MLSP
Goal 4	3	MECS, NSO	MECS
Goal 5	2	NSO, ALAMGC	MLSP, MoFALI
Goal 6	4	MCUD, MoH, MET	MCUD, MoH, MET
Goal 7	1	MoF, MoE	MoF, MoE
Goal 8	1	MLSP	MLSP
Goal 9	6	NSO, MoFALI, GASR, MECS, CITA, ALAMGC	MRTD, MET, MoFALI, MECS, CITA
Goal 10	9	GASR, IA, MoF, NSO, MB, MLSP, CGA	MoF, NDA, MB, MFA, MLSP, MOJHA
Goal 11	7	NSO, GASR, ALAMGC, MCUD, NEMA, NPA	MLSP, MET, MCUD, NEMA, MOJHA
Goal 12	10	NDA, NDA, MoFALI, MoH, MET, MECS, MMHI, MoF, MoE	NDA, MET, MMHI, MoFALI, MoH, MFA, MoF, MECS, MoE
Goal 13	4	MECS, MoF, MET	MECS, MoF, MET
Goal 15	9	MET, ALAMGC, NPA, MoF	MET, NDA
Goal 16	7	NPA, MOJHA, MoF, GEACD, JC, NSO, IAAC	MOJHA, JC, MoF, IAAC, MFA
Goal 17	14	MoF, CGA, NSO, MB, NDA, MET	NDA, MoF, CGA, NSO, MET



CHALLENGES



- Officialize national SDG indicator framework and targets
- Undertake a comprehensive assessment of data availability for the indicators
- Estimate the indicators, develop methods, and utilize data and statistics for policy making
- Funding and strengthening human resource and capacity
- Strengthen cooperation and engagement between government and non-government organizations, private sector, and academia
- Support and collaborate the initiative for creation of the government integrated database – Government Big Data





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