Data dissemination and register-based census – Mongolian experience

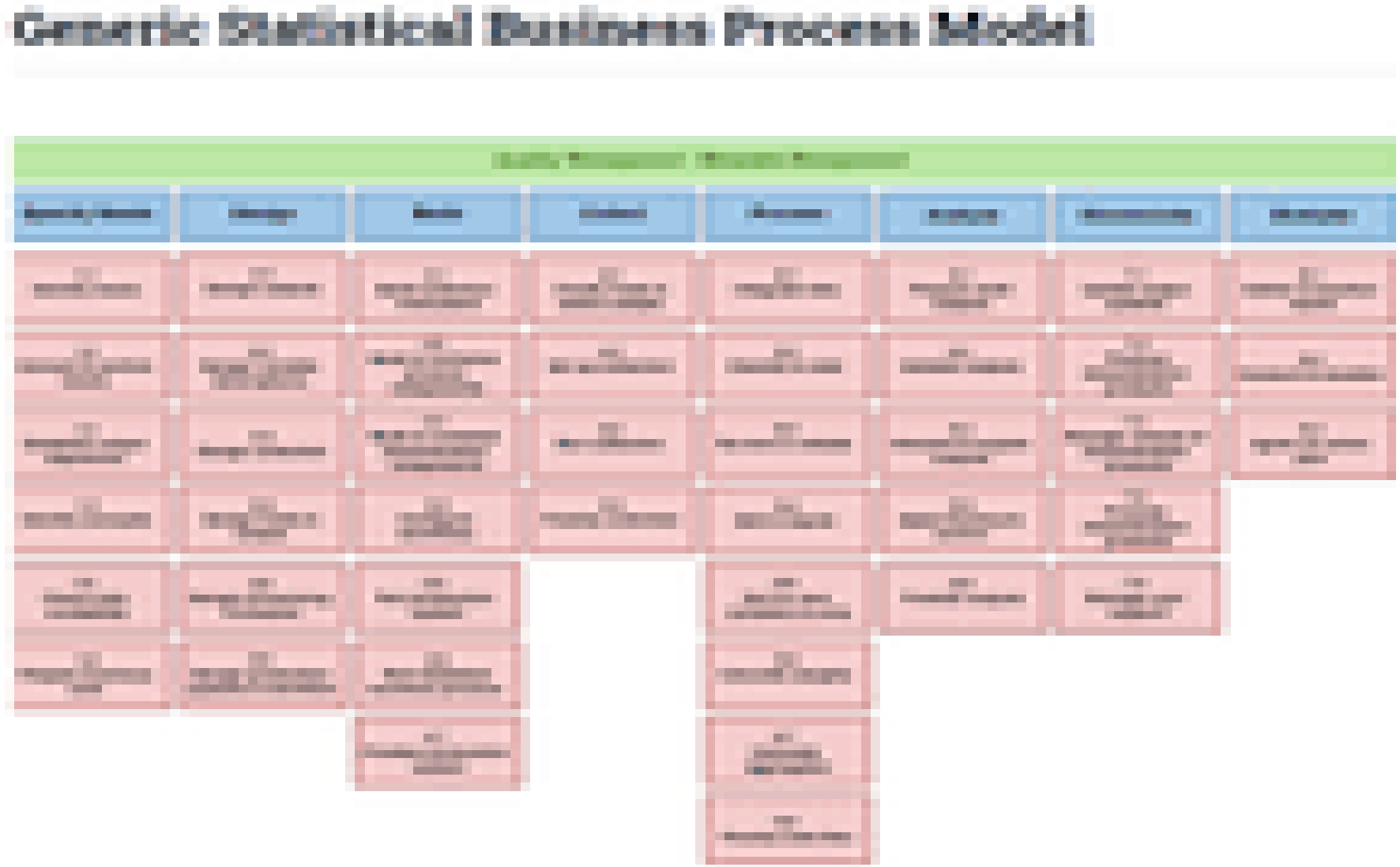
Asian thematic conference

12-14 February, 2020

Manila, Philippines

Bayarmaa Baatarsuren
Senior statistician
NSO of Mongolia

Data dissemination



INCREASING THE USE OF STATISTICS

Simple and understandable

Developing and adopt general design and standards for statistical products visualized by images and infographics that are easy to be understood by users

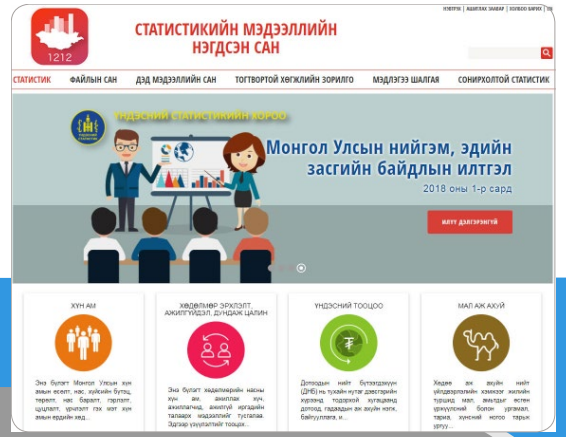
Accessible

Enable the easy and fast access for users to get statistics in Open data standards, establish and develop General open data system

Timely

Prepare easily understandable the statistics, its methodology and metadata for users, disseminate these through online data tools, official website of NSO and social medias

Types of Dissemination



Online database

ҮНДЭСНИЙ СТАТИСТИК

SIMPLE AND UNDERSTANDABLE

V. Please download more information about particular industries in excel format by clicking on their logos while using our website. /internet connection required/

Statistical bulletin

Wages and salaries: Wage and salary consists of basic pay, bonuses, compensation for hours of not working and other payment.

If the nominal wage of citizen "E" is is 1161178 togrogs then actual salary he/she receives after tax deductions:

Median wage is the amount that divides the wage distribution into two equal groups, half having wage above that amount, and half having wage below that amount. Mean wage is the amount obtained by dividing the total aggregate wage of a group by the number of units in that group.

$$M_e = \frac{n+1}{2}$$

M_e – Employee salary at the center of the wage distribution

n – Total number of employees

Nominal wage is wages measured in terms of money paid of employees after deduction for taxes and contributions, not adjusted by consumer price index and not in terms of purchasing power.

A nominal wage index (NWI) is proportion of nominal wage of current period and nominal wage of base period as expressed percentage.

The real wages refer to wages that have been adjusted for inflation and measured changes of purchasing power.

A real wage index is the percentage of nominal wage index to consumer price index of corresponding period.

SOCIAL INSURANCE AND WELFARE

According to the General Authority for Health Insurance and General Authority for Social Insurance, social insurance fund's revenue reached MNT 1802.9 billion in the first 8 months of 2019, reflecting an increase of MNT 293.0 billion or 19.4% compared to the same period of previous year. The fund's expenditure was MNT 1683.5 billion, showing an increase of MNT 291.5 billion or 20.9% compared to the same period of previous year.

The MNT 293.0 billion increase in the social insurance fund's revenue was mainly affected by increases in pension insurance fund revenue by MNT 235.7 billion (21.6%) and health insurance fund revenue by MNT 26.2 (13.7%) billion from the same period of previous year.

The MNT 291.5 billion increase in the social insurance fund's expenditure was mainly affected by increases in pension insurance fund expenditure by MNT 156.2 (14.7%) and industrial accident and occupational disease insurance fund's expenditure by MNT 66.6 (3.1 times) billion from the same period of previous year.

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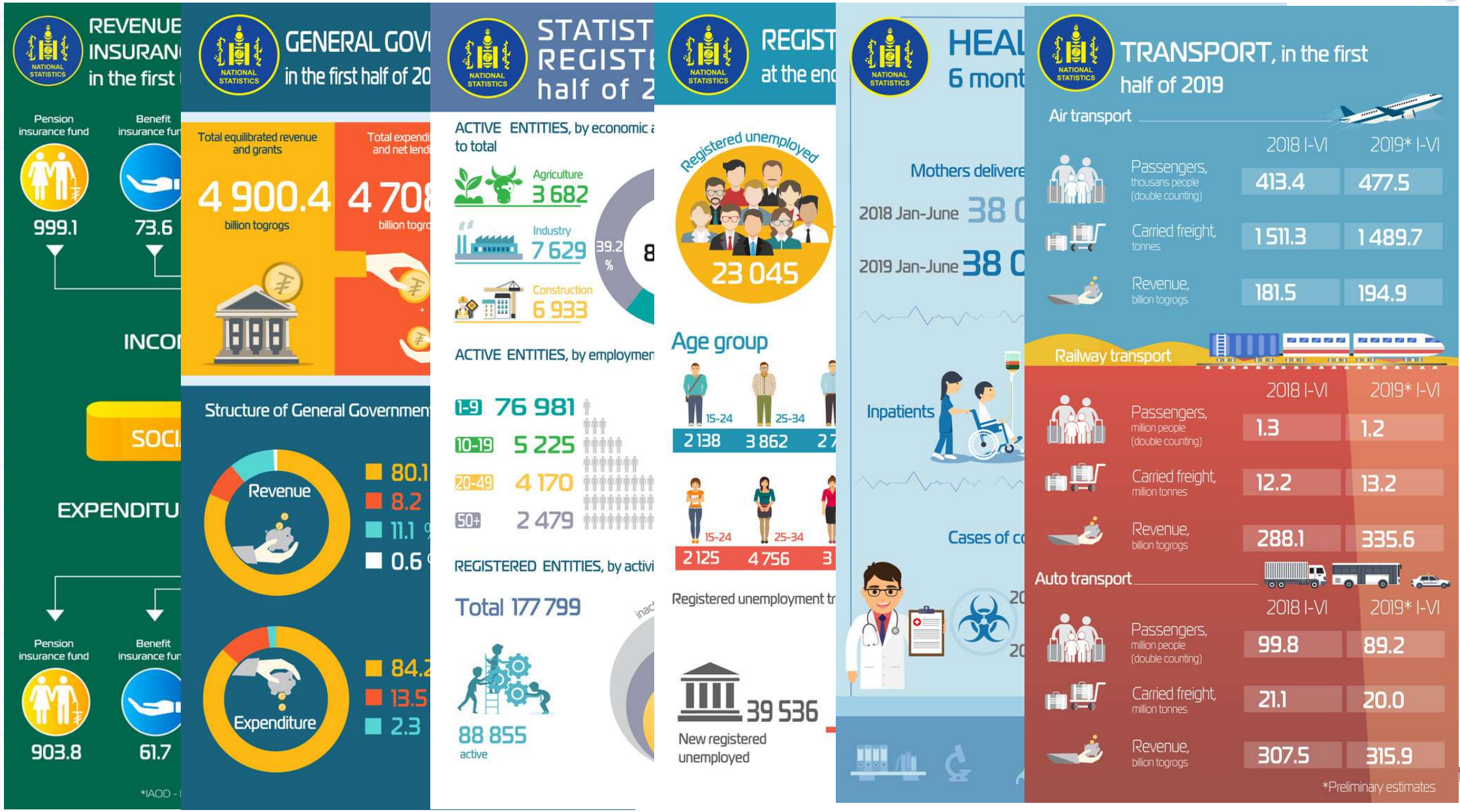
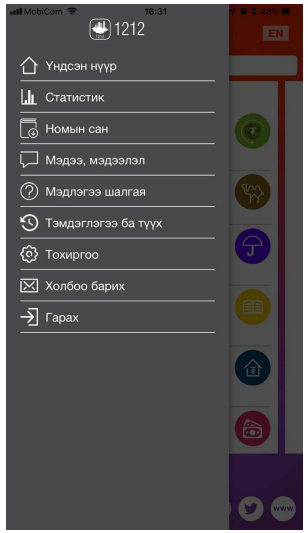
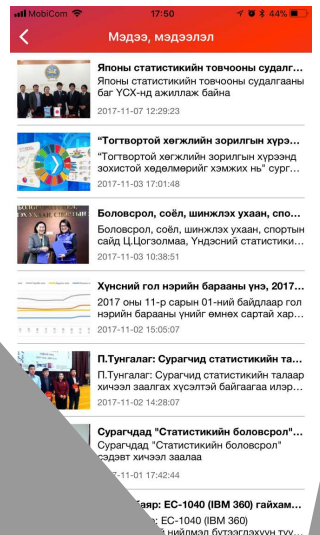
VI. Please download more information about particular industries in excel format by using QR code reading application while using your mobile. /internet connection required

SIMPLE AND UNDERSTANDABLE INFOGRAPHICS



1212.mn mobile application





Main menu

Statistics

Quantitative dynamic series

Library

Electronic versions of Survey reports

News

Daily news of Statistics

Knowledge quiz

Gaming application for users

DATA LAB

Enabled the possibility of using microdata of surveys and censuses for certain users

Child development survey

/2000, 2005, 2010,2012, 2016/

Time use survey

/2011, 2015/

Social indicators sample survey

(HYTC-2013) /2013/

Study on overcoming climate conditions and difficulties in Mongolia

/2012, 2013, 2014/

Labor force survey (LFS)

/2002-2003, 2006-2007, 2007-2008, 2008-2009, 2010, 2011, 2012, 2013, 2014, 2015, 2016/

Household social and economic survey (HSES)

/2002-2003, 2007-2008, 2009, 2010, 2011, 2012, 2013, 2014, 2015, 2016/

Population and housing census

/2000, 2010/

Reproductive Health Survey

/1998, 2003, 2008/

TRAINING FOR USERS

High school seniors

Around 6000 students from over 60 high schools

Media

Journalist /around 400 journalists in 8 training since 2013/

Government organizations

Policy makers, assistances of the Parliament members, statistical units of ministries and agencies, /regularly, annually/

Universities and colleges

Students with economics and statistics major, librarians

Business organizations

Personals from primary data provider enterprisers / regularly, annually/

Government organization

Enumerator who collects data from primary units, governors of bag and khoroos, their deputies

Accessible and timely

Open data inventory 2018

2018 **11** Ranking (of 178) **77** | **63** Coverage | **90** Openness

	Rank	ODIN score	Coverage	Openness
2017	24 (of 180)	62	53	71
2016	23 (of 173)	61	58	63
2015	3 (of 125)	65	64	65

http://opendatawatch.com

Data Elements	Data Categories: Social Statistics	Economic Statistics	Environment Statistics	All
Indicator coverage and disaggregation	72	79	90	80
Data available last 5 years	72	79	90	80
Data available last 10 years	72	79	80	77
First administrative level	28	13	40	29
Second administrative level	22	0	25	21
Coverage subscore	**53**	**65**	**70**	**63**
Machine readable	89	93	100	94
Non-proprietary	89	100	100	96
Download options	89	93	100	94
Metadata available	56	93	60	70
Terms of use	89	100	100	96
Openness subscore	**82**	**96**	**92**	**90**

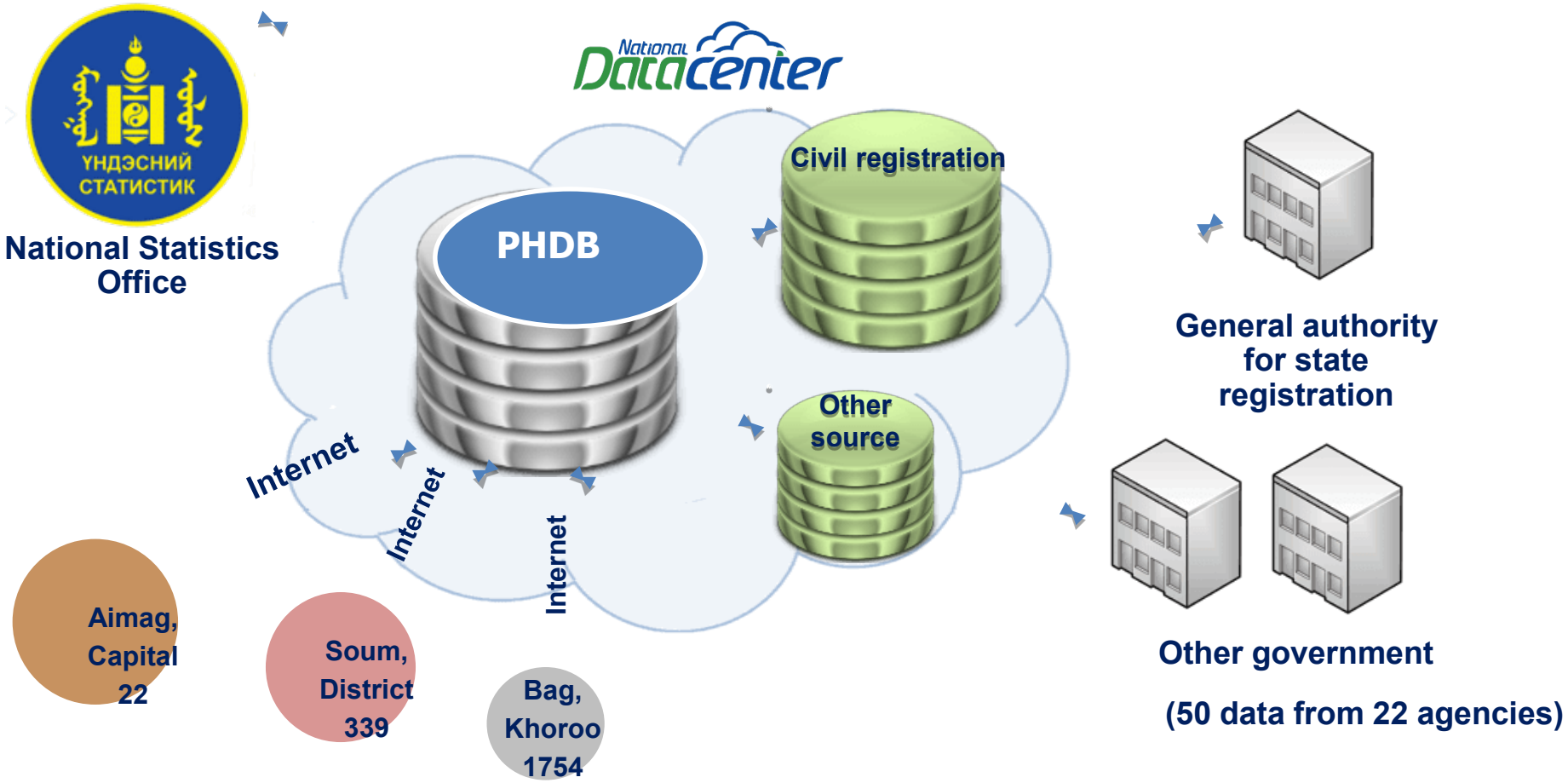
www.nso.mn

METHODOLOGIES OF POPULATION CENSUSES

YEAR	METHOD	QUESTIONNAIRE	DATE
1989	Traditional	Individual	1989.01.07-08 /Sunday/ 00:00 hour
2000	Traditional	Household/6 person/	2000.01.08-09 /Sunday/ 00:00 hour
2010	Traditional	Household/6 person/	2010.11.10-11 /Thursday/ 00:00 hour
2015	Register based	PHD, civil registration, social insurance, social welfare, border …	2015.12.31-2016.01.01 /Friday/ 00:00 hour
2020	Combined	Long, short form	2020.01.08-09 /Thursday/ 00:00 hour

POPULATION AND HOUSEHOLD DATABASE - PHDB

- Every administrative unit connected to online centralized database.
- For that result every migration can be monitor.



DATA EXCHANGE ARCHITECTURE

National Statistics Office

Cyber Security Agency

Government Organization

Cyber Security Agency

Government Organization

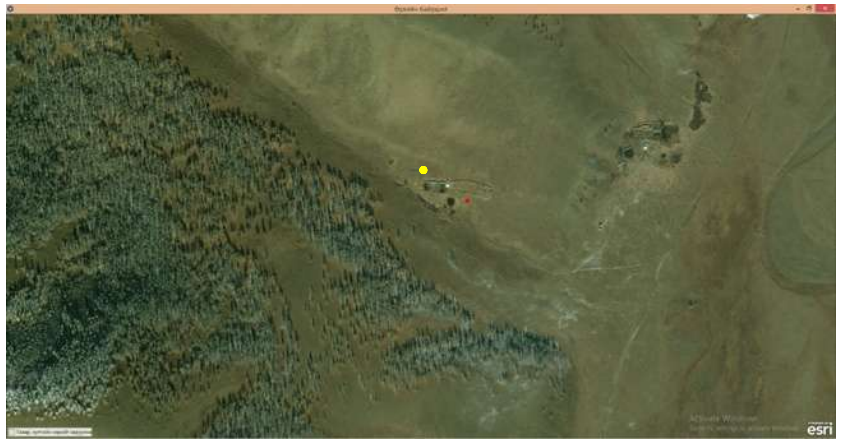
Cyber Security Agency

National Datacenter

Government Exchange System

POPULATION AND HOUSEHOLD DATABASE - PHDB

- This system contains household location points.
- Urban and rural household location digitized using satellite imagery.



- Survey sample frame
  - ✓ Social Indicators Sample Survey
  - ✓ Household Socio-Economic Survey
  - ✓ Labor Force Survey
  - ✓ Time Use Survey
  - ✓ Multiple indicator cluster survey
  - ✓ Woman's Health and Life Experience Survey
- Conduct address based Housing census.
- Conduct register based Population census.

CENSUS PREPARATION

Thank you
for your attention