



NATIONAL STATISTICAL OFFICE OF MONGOLIA

The 2010 Population and Housing Census of Mongolia

Data Collection and Processing

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CONTENTS

- Quick facts about Mongolia
- Outline for the 2010 PHC
- Features of the 2010 PHC
 - Communication
- Data collection
 - Maps used for the 2010 PHC
- Data processing
- Dissemination
 - Census products
 - Data accessibility

QUICK FACTS ABOUT MONGOLIA

- Territory – 1.5 million sq. km
- Population - 2.74 million

40 % • Lives in the capital city of Ulaanbaatar

25% • Nomadic or semi-nomadic

35% • Aimag and soum centers

- Administrative units:

1 capital city

9 districts

152 khoroots

21 aimags

329 soums

1568 baghs

- GDP per capita – USD 2,251.00 (by WB atlas method)

*Хүмүүнд төр эрхэм
Төрд хүмүүн эрдэнэ*



ХҮН АМ, ОРОН СУУЦНЫ УЛСЫН ТООЛЛОГО

OUTLINE FOR THE 2010 PHC

- Conducted between 11-17 November 2010;
- Over 750,000 household forms completed by over 12,000 enumerators;
- More than 30,000 persons directly involved in census conducting:



NATIONAL STATISTICAL OFFICE OF MONGOLIA

Organizational structure of the 2010 Population and Housing Census

STATE CENSUS COMMITTEE

NATIONAL STATISTICAL OFFICE

Manpower

CAPITAL CITY CENSUS COMMITTEE

AIMAG CENSUS COMMITTEES

CENSUS COMMITTEES AT MINISTRIES

550

Ad hoc Census Bureau
of the Capital city

Ad hoc Census Bureaus
in aimags

Ad hoc Census
Bureaus at ministries

280

DISTRICT CENSUS COMMITTEES

SOUM CENSUS COMMITTEES

3600

Ad hoc Census
Bureaus in districts

Ad hoc Census Bureaus
in soums

2000

Ad hoc Census
Bureaus in khorooos

Ad hoc Census Bureaus
in baghs

6800

SUPERVISORS

SUPERVISORS

SUPERVISORS

3600

ENUMERATORS

ENUMERATORS

ENUMERATORS

12100

FEATURES OF THE 2010 PHC

- Implementation of Law on PHC
 - Secured funding and responsibilities of stakeholders;
- Establishment of GIS and geo-database;
 - Household waypoint collected without use of GPS devices;
- Census for Mongolians living abroad collected via Internet (between Oct. 11 – Nov. 21, 2010);



DATA COLLECTION OF THE 2010 PHC

- Canvassing method – one week
 - Over 12,000 enumerators and 3600 supervisors;
- Successful field operation ensured :
 - Massive communication campaign;
 - Hired interpreters for enumerating foreigners
 - Translated census questionnaire (English, Russian, Chinese, French, Spanish, Korean);
 - Extended e-enumeration period for Mongolians living abroad;
- Household waypoints collected without use of GPS devices.

COMPOSITION OF THE CENSUS QUESTIONNAIRE

Type	Structure	Number of questions
Main questionnaire	Front page	
	Address section	12
	Information of persons residing abroad for over six months	7
	Summary section	5
	Population questionnaire	25
Module questionnaire	Housing questionnaire	21
	Household deaths and maternal mortality questionnaire	8

The image displays a sample of the 2010 Census of Mongolia questionnaire. The form is titled 'ХҮН АМ, ОРОН СУУЦНЫ 2010 ОНЫ УЛСЫН ТООЛЛОГЫН АСУУЛГА' (2010 National Census of Mongolia). It is divided into several sections:

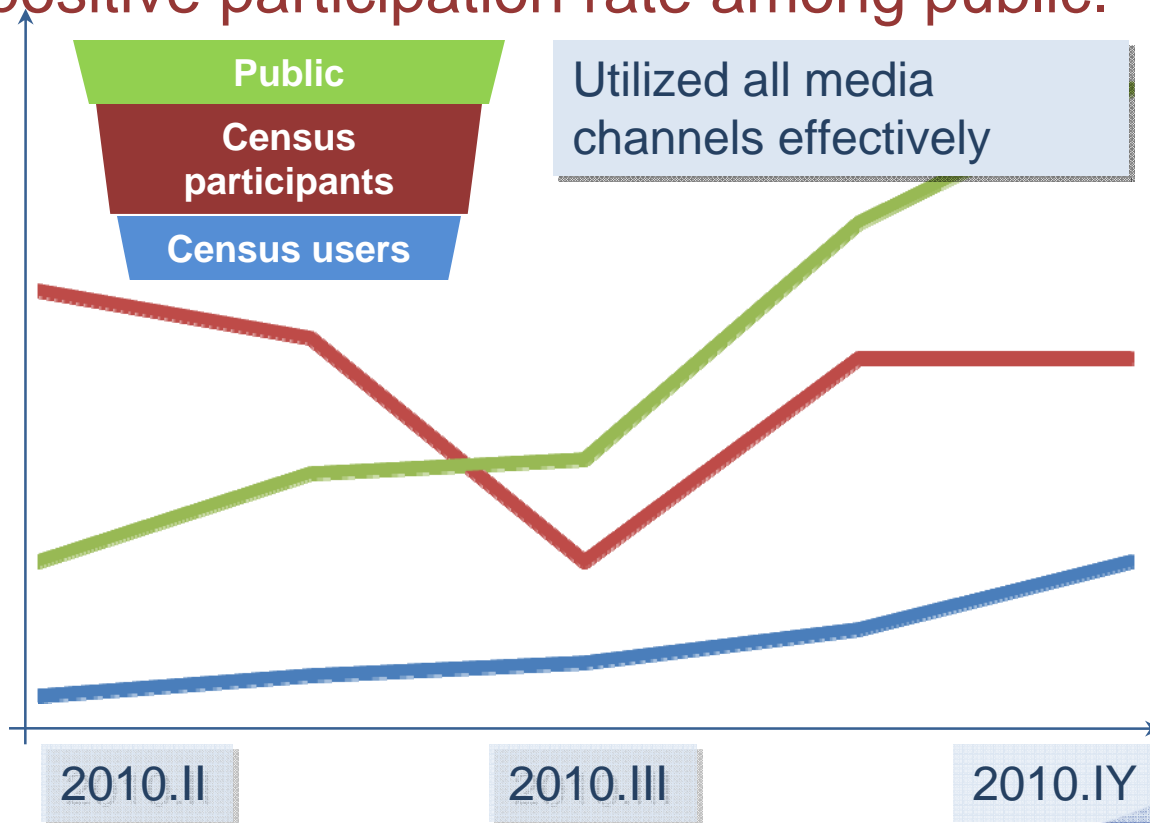
- I. ХАГИЙН ХЭСЭГ (Individual Section):** Contains personal information such as name, gender, date of birth, and place of birth.
- II. ТАВААЛАД 6 САРААС ДЭХЭ ХУАЦАГАТАР ОРШИН СУУГАА ИРГЭДИЙН МЭДЭЭЛЭЛ** (Information of persons residing abroad for over six months): A section for individuals who have lived abroad for more than six months.
- III. ТООЛГОДСОН ХҮН АМЫН НӨГДӨЛ** (Summary section): A table summarizing the population data for the household, including age and sex distribution.
- IV. ХӨНӨРӨН АСУУЛГА (Housing Questionnaire):** A section for housing-related information, including the type of housing, the number of rooms, and the number of people living in the household.
- V. ХӨНӨРӨН АСУУЛГА (Household Deaths and Maternal Mortality Questionnaire):** A section for information on household deaths and maternal mortality.

The form includes various checkboxes and fields for data entry, and it is designed to be filled out by the head of the household or a designated person.

COMMUNICATION ACTIVITIES

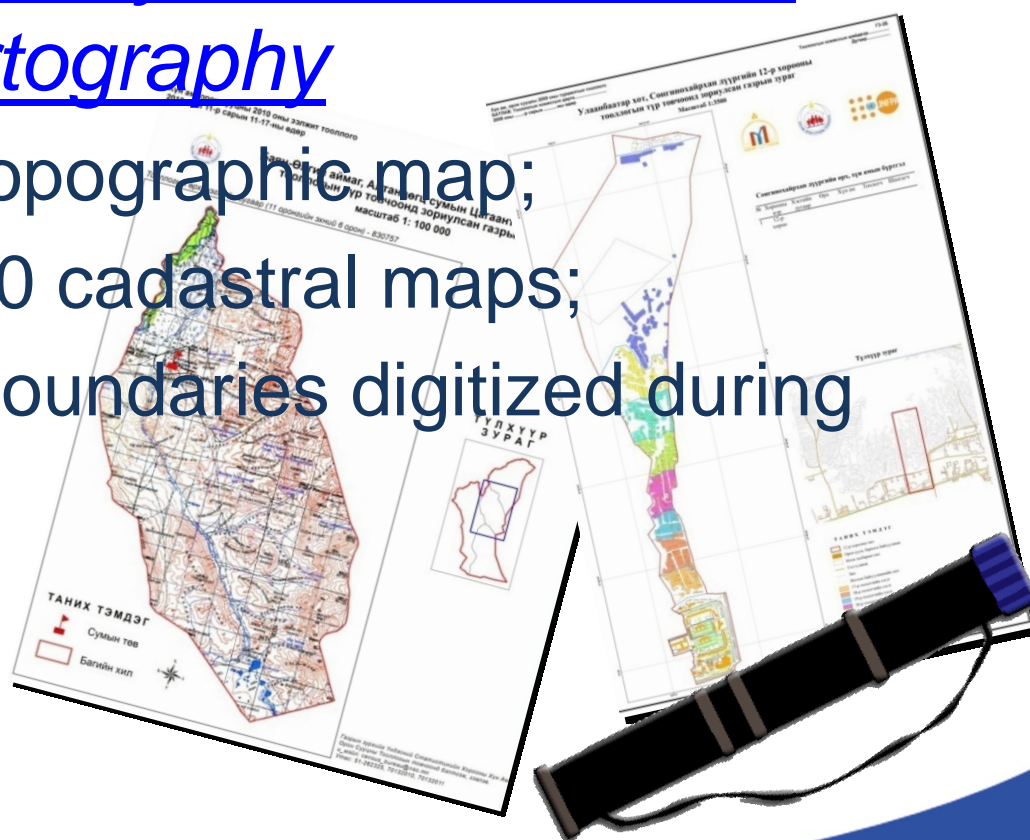
Extensive communication and advocacy activities resulted in positive participation rate among public.

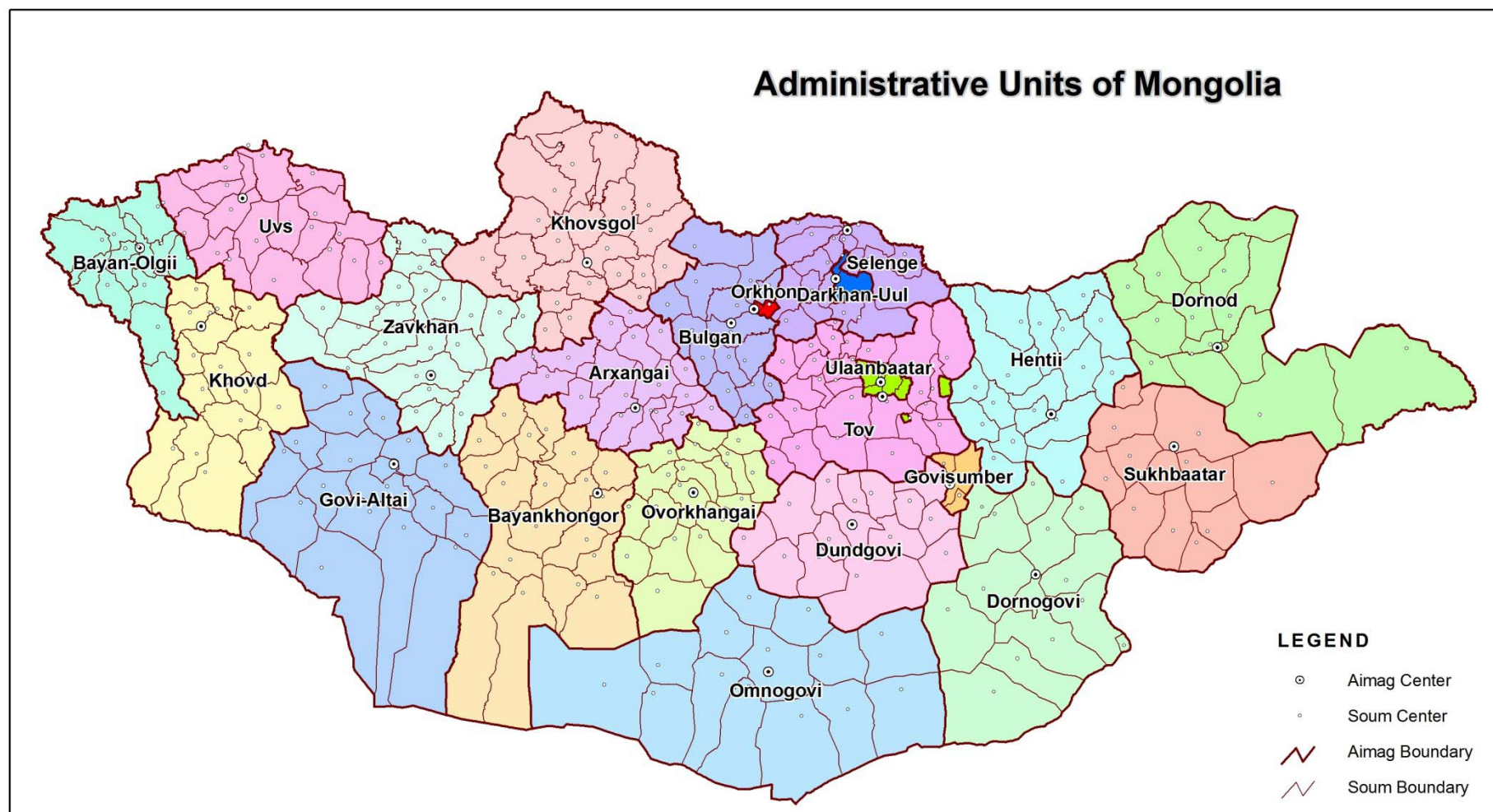
- www.toollogo2010.mn;
- Census slogan and logo;
- Street banners, posters and print-outs;
- TV programs, short movies;
- Partners meeting;
- National communication campaign;



MAPS USED FOR THE 2010 PHC

- Obtained from [Agency on Land Affairs, Geodesy and Cartography](#)
 - 1:200 000 scale topographic map;
 - 1:1000 and 1:5000 cadastral maps;
- Administrative unit boundaries digitized during census preparation;





ENUMERATION AREA MAPS

- Delineation
 - Based on population number within the smallest level of administrative unit area;
 - 300-350 persons in urban areas;
 - 30-35 households in rural areas;
- Maps
 - Sketched by each enumerator:
 - From 1:200 000 scale base maps in rural areas;
 - From 1:1000 or 1:5000 scale cadastral maps in urban areas;

HOUSEHOLD WAYPOINTS

- Connected with each census forms

Монгол Улсын Үндэсний статистикийн хорооны даргын 2009 оны 01/135 тоот тушаал

**ХҮН АМ, ОРОН СУУ
УЛСЫН ТООЛЛО**

I. ХАЯГИЙН ХЭСЭГ

Гудамжны нэр: _____

Байшингийн дугаар: _____

Хашаа/ хаалганы дугаар: _____

A1. Тооллогын комиссын дугаар

A2. Аймаг, нийслэлийн нэр, код **Хэнтий**

A3. Сум, дүүргийн нэр, код **Өмнөдэлгэр**

A4. Баг, хорооны нэр, код **Гурванбаян**

A5. Тоологчийн нэр, дугаар **Дорж**

A6. Тооллогын асуулгын дугаар

A7. Тосгоны нэр, код

A8. Байршил

Нийслэл - 1, Аймагийн төв - 2, Тосгон - 3, Сумын төв - 4, Хөдөө - 5

DATA PROCESSING

Receiving and
compiling census
materials

NSO

Dec 2010-Feb 2011

- Traditional data-entry method on CsPro;
- Computer assisted coding;
- Trained and hired 150 operators;

Data processing

Validating

Apr-May 2011

Data-entry

Jan-Apr 2011

Coding

Jan-Apr 2011



SHAPE FILE GENERATION

- Provincial (aimag) and sub-provincial (bagh) boundaries digitized during census preparation period;
- Household waypoints digitized during data processing period
 - Manual data entry on ArcGIS



DISSEMINATION

Publication



- Main results;
- Reports;
- Monographs;
- Web-GIS;
- Thematic atlas:
 - Population;
 - Housing conditions;

Internet



CD, DVD



Workshops and seminars

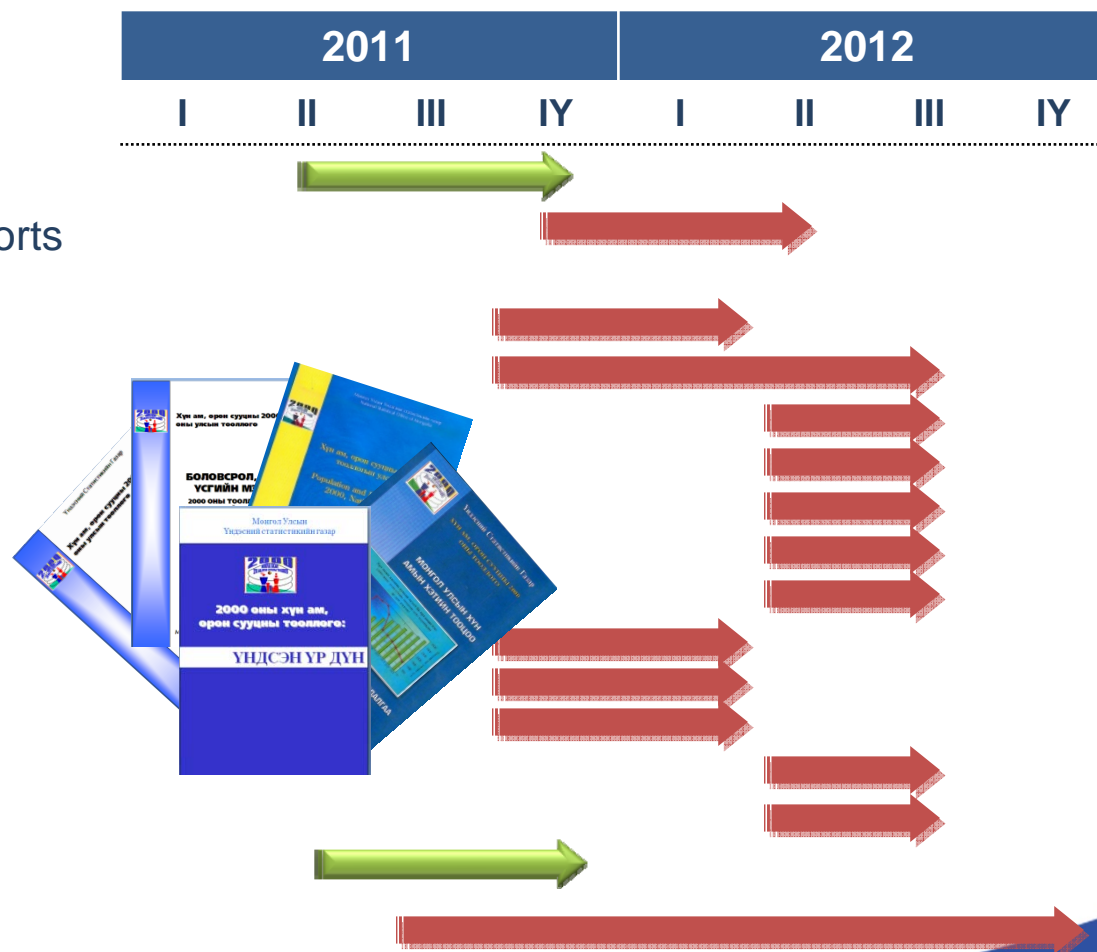


Web GIS



CENSUS PRODUCTS

- **Main results**
- Aimag and the capital city reports
- Monographs
 - Population projection
 - Age and sex structure
 - Education and literacy
 - Migration
 - Gender
 - Family
 - Employment
 - Housing
 - Elders
 - Youths
 - Disability
 - Ethnicity
- **Census atlas**
- Other booklets and studies



DATA ACCESSIBILITY

- www.toollogo2010.mn
 - Main results
 - National Report and Main Results;
 - Provincial and Capital city reports and results;
 - Thematic studies & Monographs;
- Touch screen data service stations
 - Government agencies & public places
- Data service center of NSO
 - Publications;
 - CD-ROM;
 - Print outs;
 - As requested by customers;

DATA ACCESSIBILITY

- www.toollogo2010.mn
 - Web-enabled GIS connected census data will be available at household level;
 - Confidentiality and privacy of data will be secured;



INTERCENSUAL SURVEY

- To be conducted in 2015;
- More detailed questionnaire;
- Different approaches:
 - Data collection
 - Data processing



**THANK YOU
FOR YOUR ATTENTION!**

National Statistical Office of Mongolia

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