



NATIONAL STATISTICAL OFFICE OF MONGOLIA

# The 2010 Population and Housing Census of Mongolia

## Data Collection and Processing

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## 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 khoros

21 aimags

329 soums

1568 baghs

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

*Хүмүүнд төр эрхэм  
Төрд хүмүүн эрдэнэ*

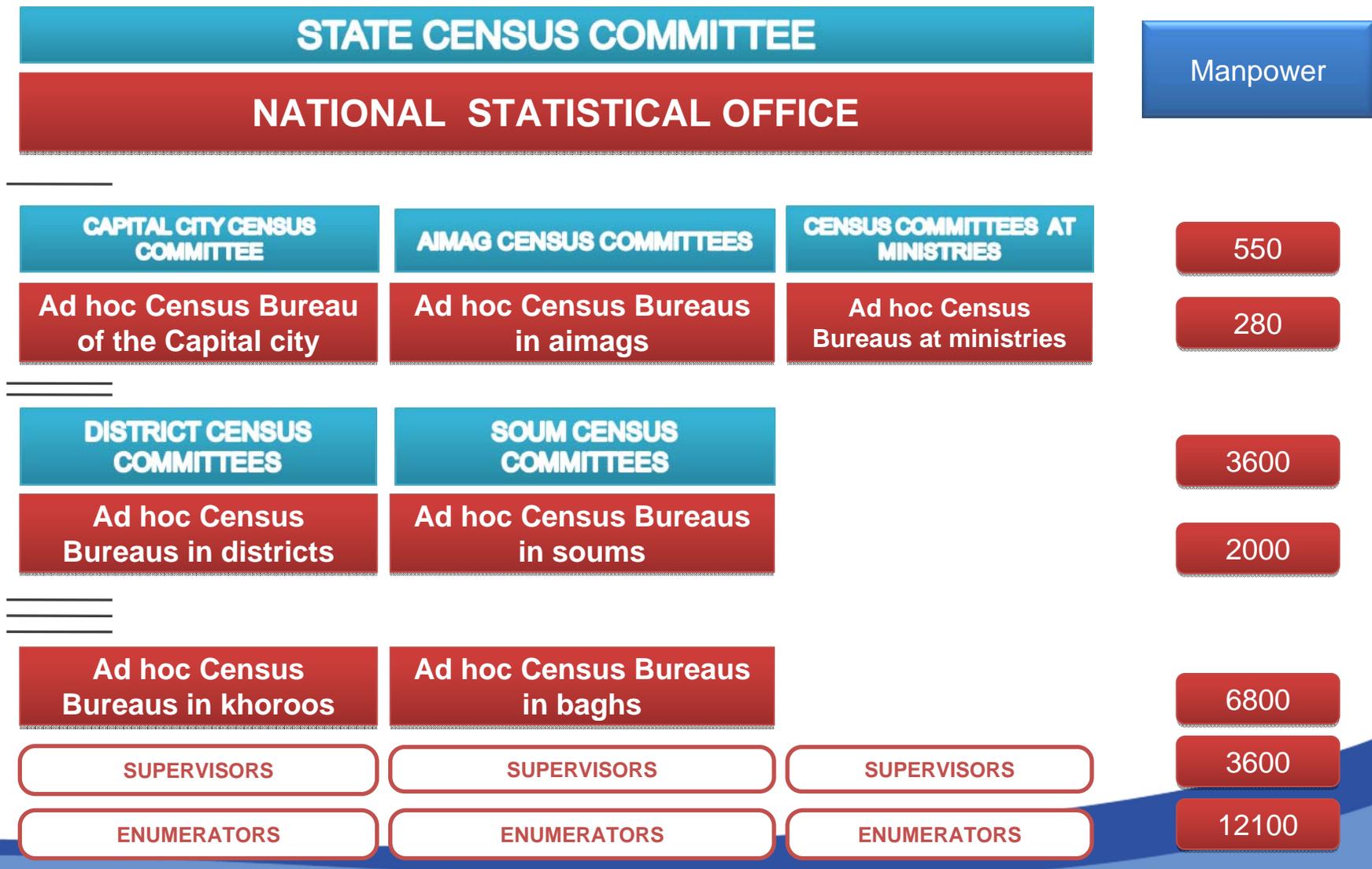


**ХҮН АМ, ОРОН СУУЦНЫ УЛСЫН ТООЛЛОГО**

## 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:

## Organizational structure of the 2010 Population and Housing Census



## 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	Population questionnaire	25
	Housing questionnaire	21
Module questionnaire	Household deaths and maternal mortality questionnaire	8

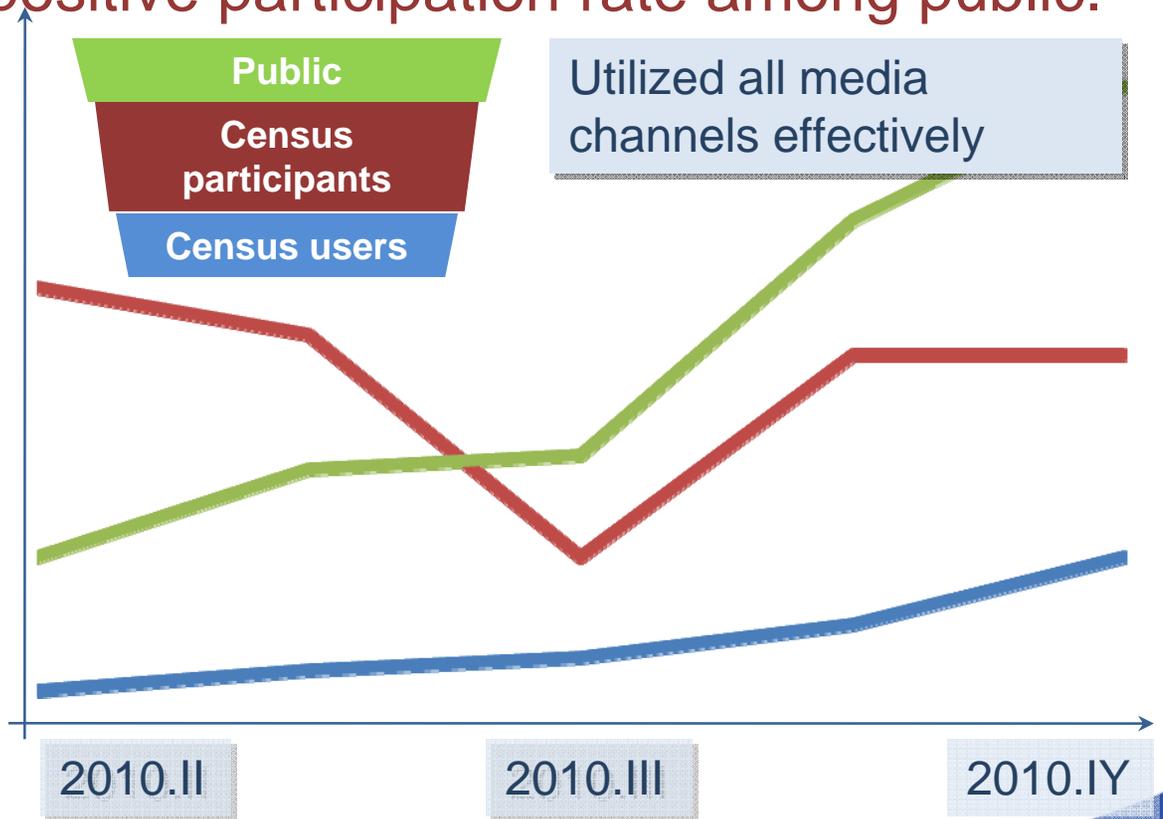
The image shows a sample of the 2010 Census Questionnaire form in Mongolian. The form is titled "ХҮН АМ, ОРОН СУУЦНЫ 2010 ОНЫ УЛСЫН ТООЛЛОГЫН АСУУЛГА" (National Statistical Office of Mongolia, 2010 Census Questionnaire). It is divided into several sections:

- I. ХАГИЙН ХЭСЭГ (Household Information):** Includes questions about the household type, number of people, and whether it is a family or a non-family household.
- II. ТАВААДАД ӨС САРГАС ДЭЭЖ ХУГАЦААГААР ОРШИН СУУГАА ИРГЭДИЙН МЭДЭЭЛЭЛ (Information of persons residing abroad for over six months):** A table with columns for gender, age, and duration of stay abroad.
- III. ТООЛГОДСОН ХҮН АМЫН НӨГТӨЛ (Summary section):** A table for summarizing the population data by gender and age group.
- IV. ХАМЬН АСУУЛАА (Housing Questionnaire):** A detailed section about housing conditions, including questions about the type of housing, ownership, and amenities.
- V. ХӨДӨӨ АЖААЛ (Household Deaths and Maternal Mortality):** A section for reporting deaths and maternal mortality.

# COMMUNICATION ACTIVITIES

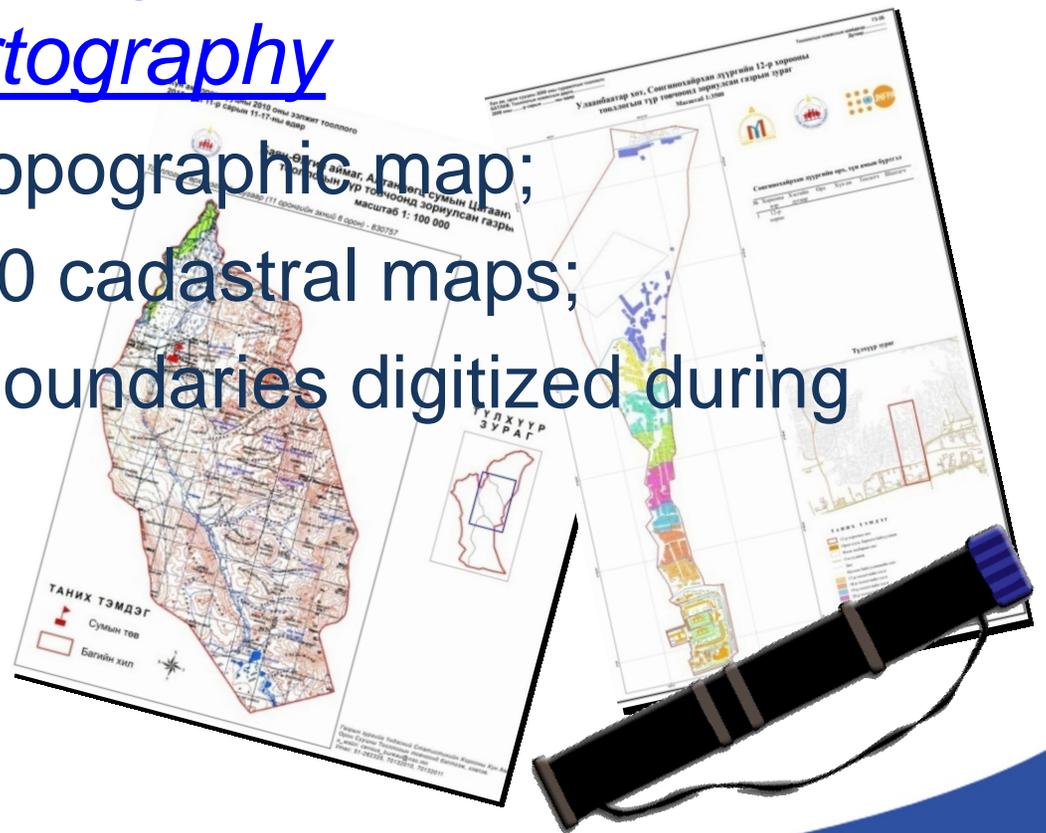
Extensive communication and advocacy activities resulted in positive participation rate among public.

- [www.toollogo2010.mn](http://www.toollogo2010.mn);
- Census slogan and logo;
- Street banners, posters and print-outs;
- TV programs, short movies;
- Partners meeting;
- National communication campaign;

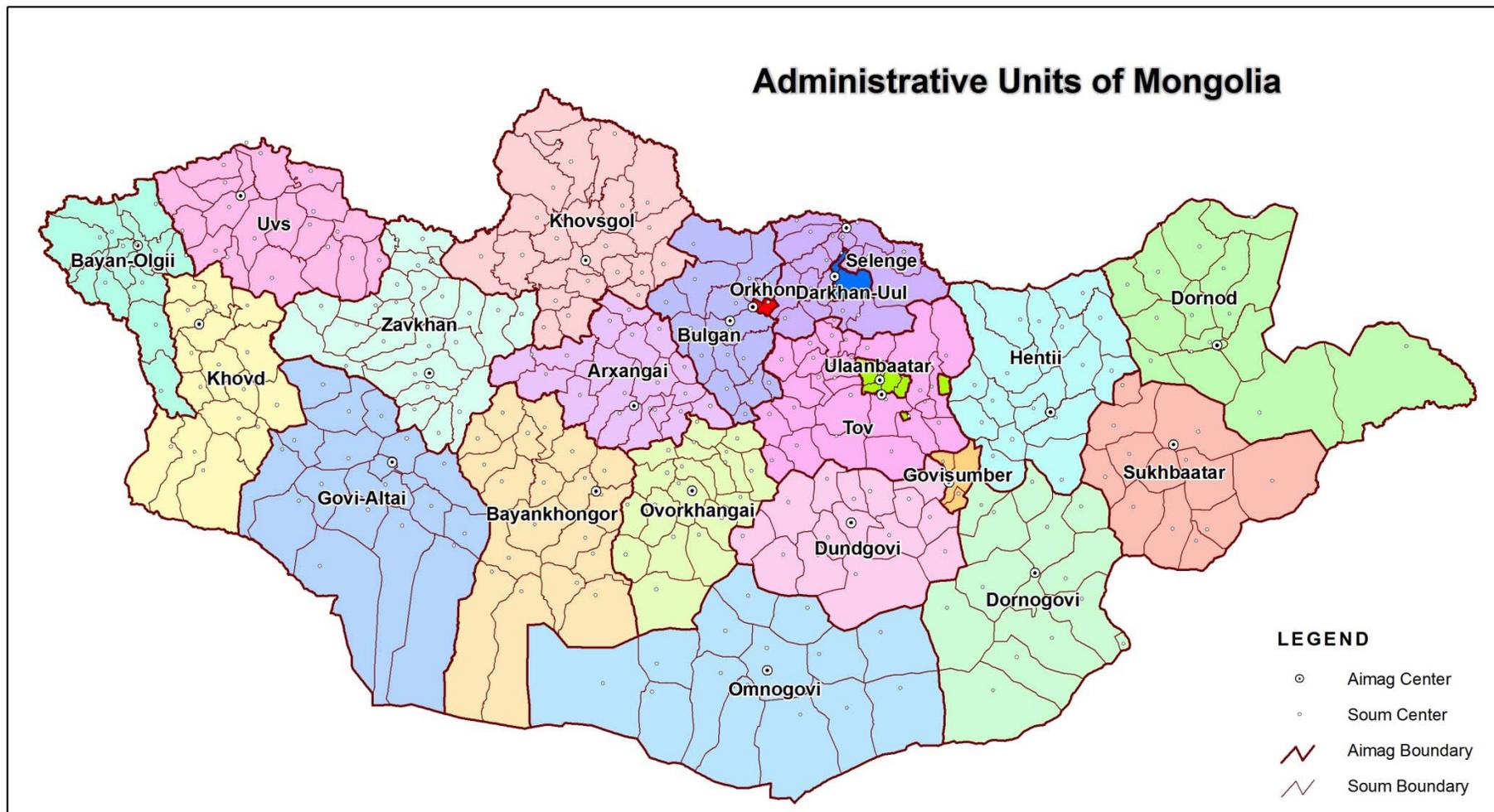


## MAPS USED FOR THE 2010 PHC

- 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;



### Administrative Units of Mongolia

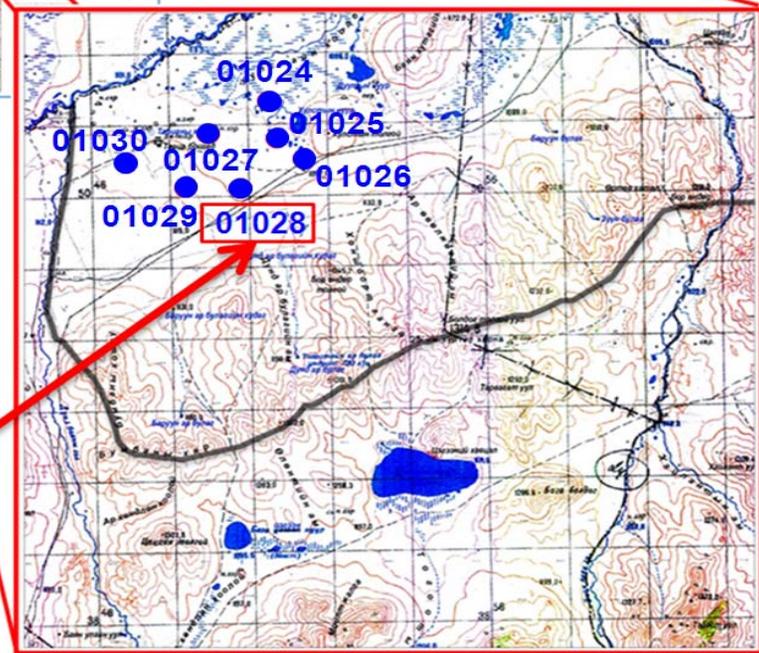


# ENUMERATION AREA MAPS

- 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		<input type="text"/>	<input type="text"/>
A2. Аймаг, нийслэлийн нэр, код	Хэнтий	23	
A3. Сум, дүүргийн нэр, код	Өмнөдэлгэр	46	
A4. Баг, хорооны нэр, код	Гурванбаян	53	
A5. Тоологчийн нэр, дугаар	Дорж	01	
A6. Тооллогын асуулгын дугаар		028	
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

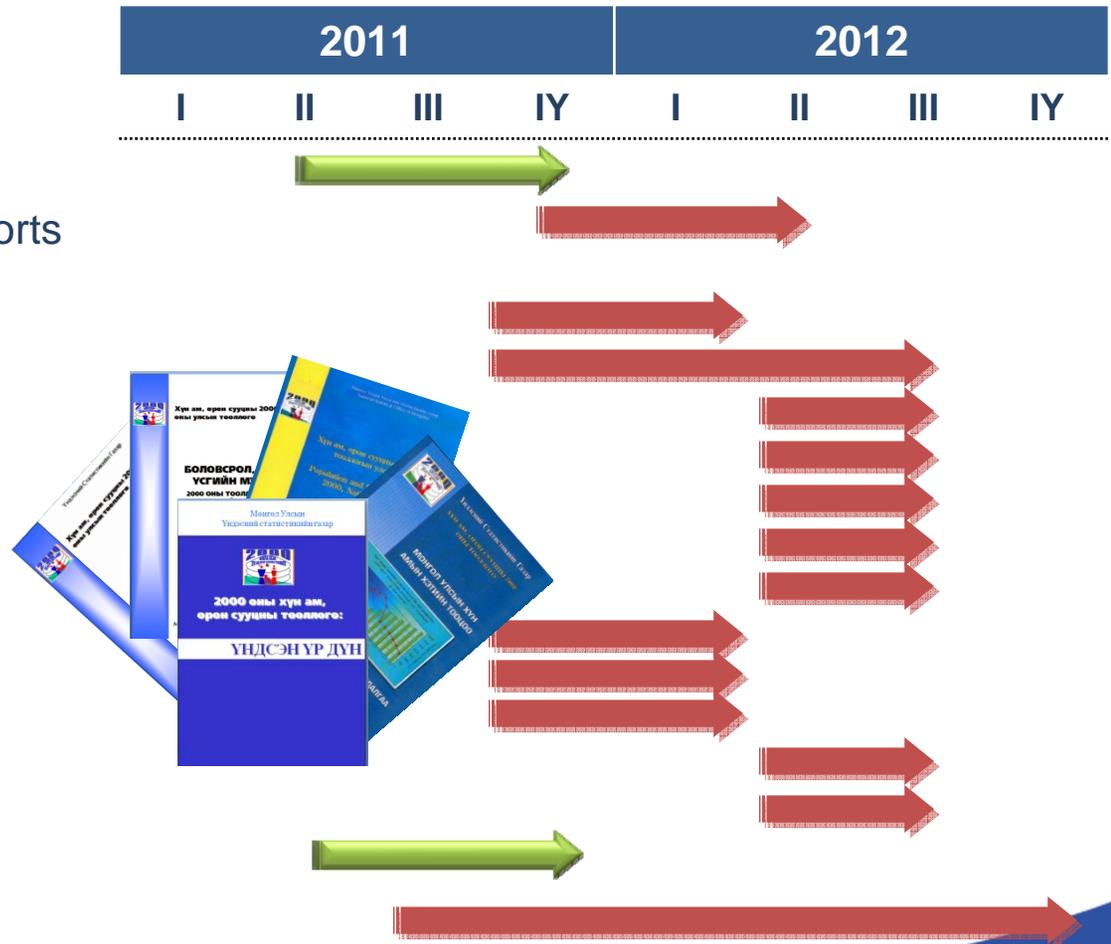


Web GIS



# 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](http://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](http://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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