







INTERNET DATA COLLECTION IN 2011 POPULATION AND HOUSING CENSUS OF LITHUANIA

DALIA AMBROZAITIENĖ
Statistics Lithuania

OVERVIEW

-  General information
-  Computerized system of Census 2011
-  Functioning of e-Census
-  E-Census results
-  Lessons learned
-  Conclusions

GENERAL INFORMATION ABOUT CENSUS 2011

STAGES OF THE CENSUS

E-Census (2 weeks)
1-16 March

Reference date
1 March 2011

Enumeration
(5 weeks)
5 April - 9 May

Using all the main State Registers: the
Population, Real Estate register, Address,
State Social Insurance Fund data base, etc.




CENSUS 2011 COSTS

Total budget - 8.4 million €
About 2.5 € per capita

2001 Census - 2.7 € per capita



OUTSOURCING

-  **Creation of the computerized system of the census;**
-  **Scanning and verification service;**
-  **Usage of virtual IT resources (cloud computing).**

FLASH CENSUS RESULTS







Based on the provisional data of the e-Census
and the population enumeration, at the
1 March 2011

3 million 53.8 thous. permanent residents,





which makes up about 94 per cent of the population
of Lithuania estimated based on the data of the Population
register and the methodology of Statistics Lithuania
(3234.9 thous. as of 1 March 2011).

GENERAL INFORMATION ABOUT THE COMPUTERIZED SYSTEM OF CENSUS 2011

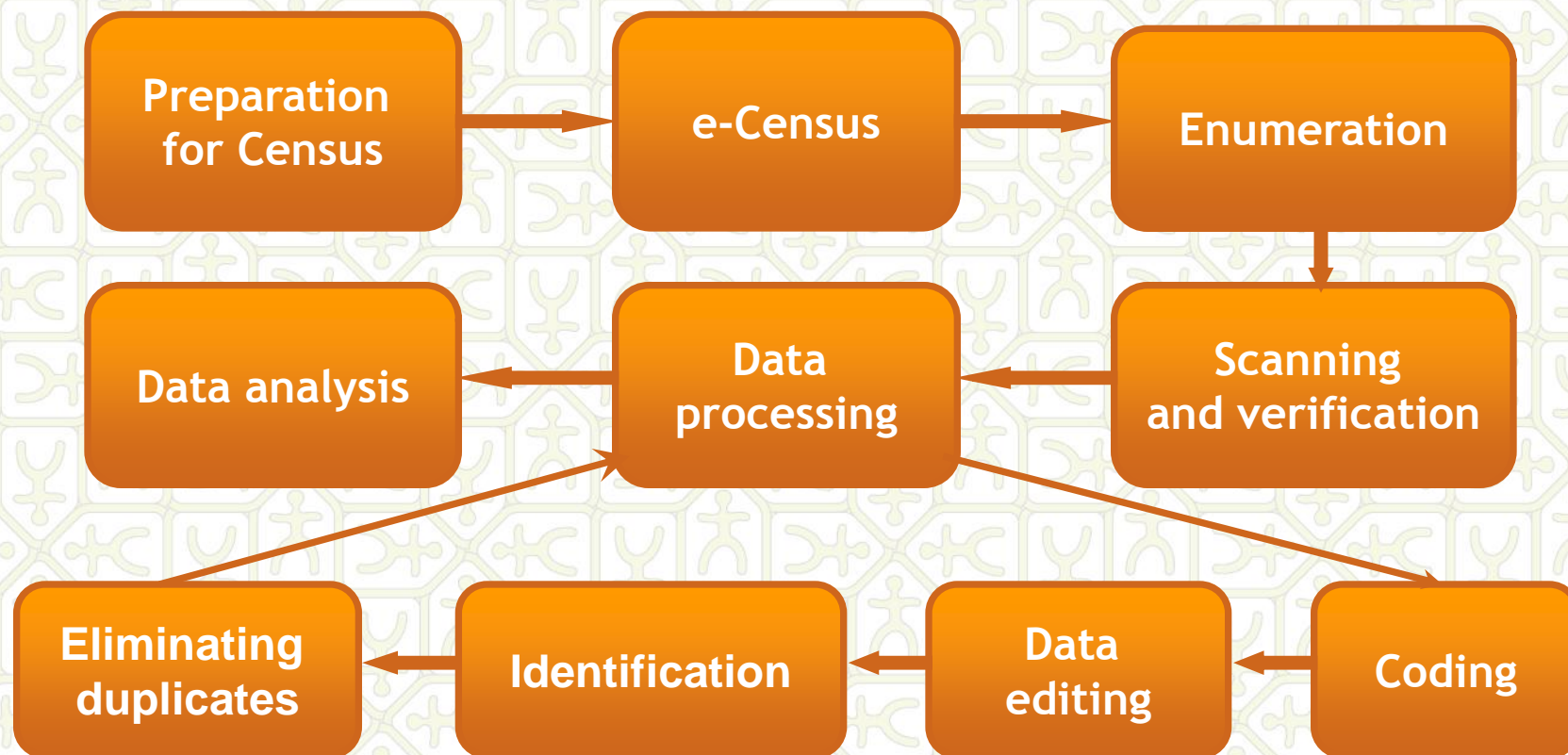
COMPUTERIZED CENSUS PROCESSES

-  E-Census;
-  Preparation of the Census area maps and lists of dwellings for the population enumeration;
-  Monitoring of the Census processes;
-  Scanning and verification of questionnaires;
-  Data processing: coding, correction, identification, elimination of double entries, imputation of missing data, anonymisation of records;
-  Data analysis and dissemination.

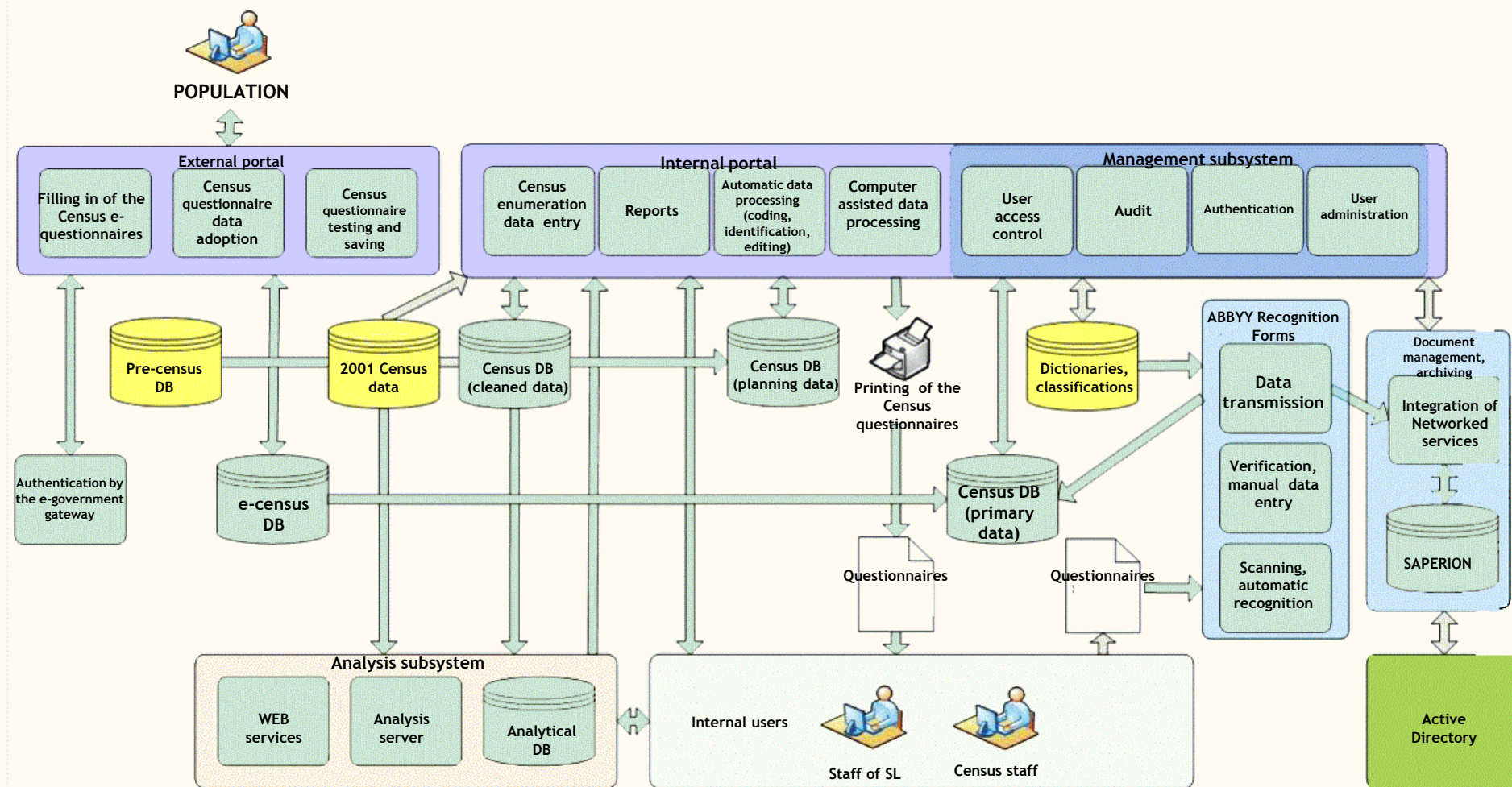
INTERNET CENSUS GOALS

-  To afford an opportunity for the population to submit data about themselves, their households and dwellings electronically (e-Governmental services);
-  Take advantages for new technology for improving census image and to reach difficult-to-count population groups;
-  Ensure quality and correct coverage rate;
-  Reduce census costs.

DATA PROCESSING



2011 LITHUANIAN POPULATION AND HOUSING CENSUS PROCESSES



FUNCTIONNING OF E-CENSUS

AUTHENTICATION OF AN INDIVIDUAL



E-Government gateway (electronic signature, Internet banking system, etc.)



Special system for connection to e-census portal using personal document (passport or PI) number

PRE-FILLING OF THE E-QUESTIONNAIRES surašymas 2011

WITH DATA FROM ADMINISTRATIVE SOURCES

ADMINISTRATIVE REGISTERS	VARIABLES
Population Register	Sex, age, country/place of birth, legal marital status, citizenship
State Social Insurance Fund Board database	Current activity status, status of employment, workplace
Real Property Register	Type of living quarters, period of construction, useful floor space, number of rooms, type of heating, facilities (electricity, hot water, bath/shower)
Addresses Register	Address

PRECONDITIONS FOR CLOUD COMPUTING

PRECONDITION	SITUATION IN LITHUANIA
Fast Internet connection	Internet connection speed is among the highest in the world.
Information and data security	Security can be ensured by data centers with global recognition and auditing.
Reliable service provider	A few dozens of reliable IT service providers operate in Lithuania, including reliable data centers, software developers, installation companies, etc.
Privacy	IT service providers guarantee strict confidentiality requirements.


F1003: BŪSTAS - Windows Internet Explorer
https://esurasymas2011.stat.gov.lt/faces/pages/forms/pub/F1003.jspx


esurasymas 2011 STATISTIKOS DEPARTAMENTAS


būsto duomenys IŠSAUGOTI PAGALBA ATSIJUNGTI


- gyvenamosios vietos adresas
- pastatas
- būstas**
- būsto gyventojų sąrašas
- būsto valdos statusas


BŪSTAS


2. Būsto tipas 
Butas daugiabučiame name


3. Būsto nuosavybė 
Privati fizinį asmenų


4. Būsto naudingasis plotas 
44 m²


5. Būsto gyvenamųjų kambarių skaičius 
2

6. Virtuvė 
☒ Kambarys
☐ Koridoriaus dalyje
☐ Kitoje patalpoje
☐ Nėra

7. Patogumai 
karštas vanduo ☐ yra ☐ nėra
vonia, dušas ☐ yra ☐ nėra
tualetas su nutekamuoju vandeniu ☐ yra ☐ nėra
elektra ☐ yra ☐ nėra

8. Vandens tiekimas 

9. Nuotekų tvarkymas (kanalizacija) 

10. Pagrindinis būsto šildymo būdas 

< Ankstesnis Toliau >

E-CENSUS ON LINE MODE

 User friendly design

 Wizard

 Video

<http://www.stat.gov.lt/uploads/images/release2-2011.mp4>

 Possibility to download instructions on how to fill

 Telephone help line

FIRST DAY OF THE CENSUS



The President
of the Republic of Lithuania
Dalia Grybauskaitė
became the first participant
of the e-Census and invited
all the residents of Lithuania
to participate in it.

Press-conference in the President Palace

<http://tv.delfi.lt/video/Nj5DY55V/>

http://www.bdc.lt/en/sites/default/files/BDC_2011_05_EN.pdf



E-CENSUS RESULTS

CONNECTIONS TO SYSTEM VIA:

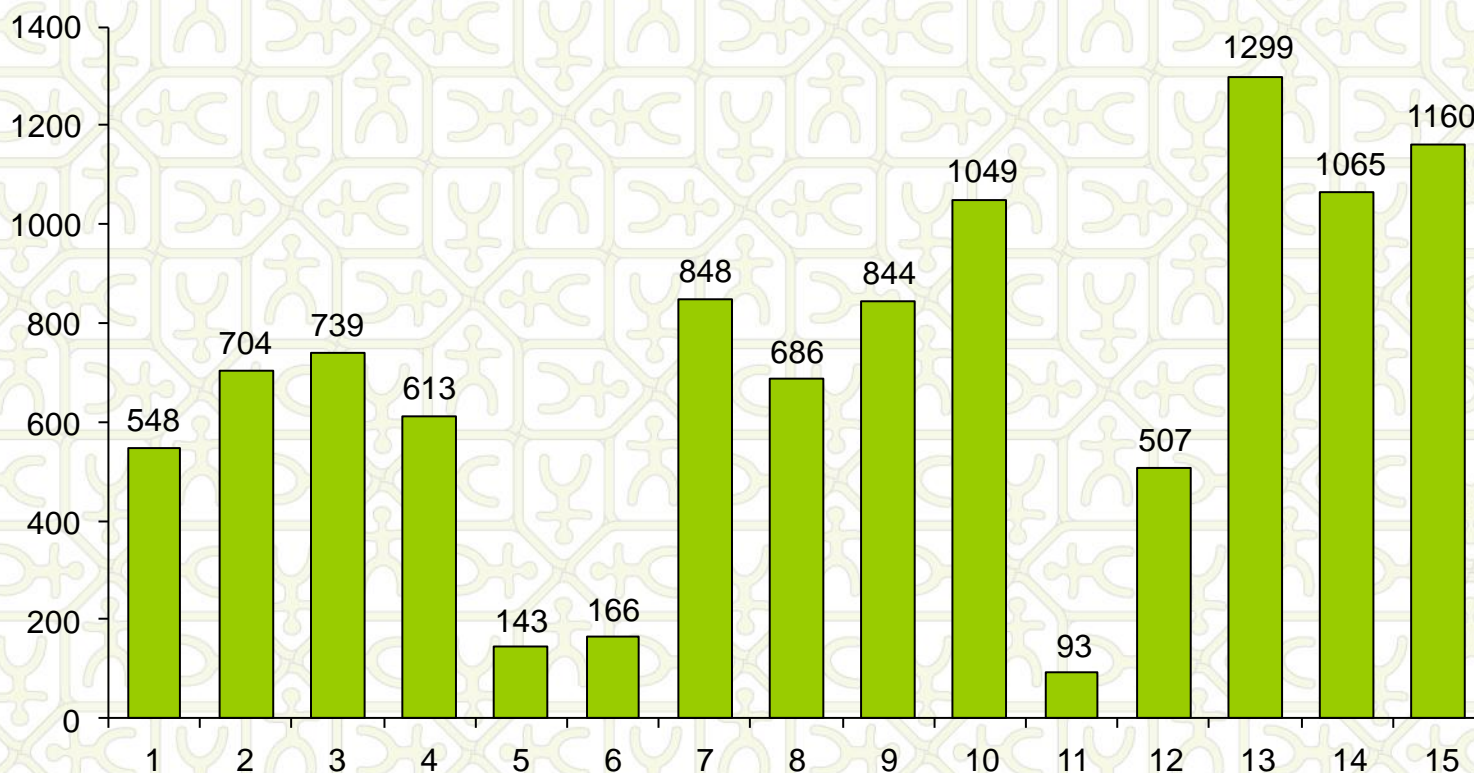
Personal documents (passport and ID card) - 76 per cent

E-banking system - 24 per cent

 **Correction data during all e-census**

 **Saving & printing of questionnaire**

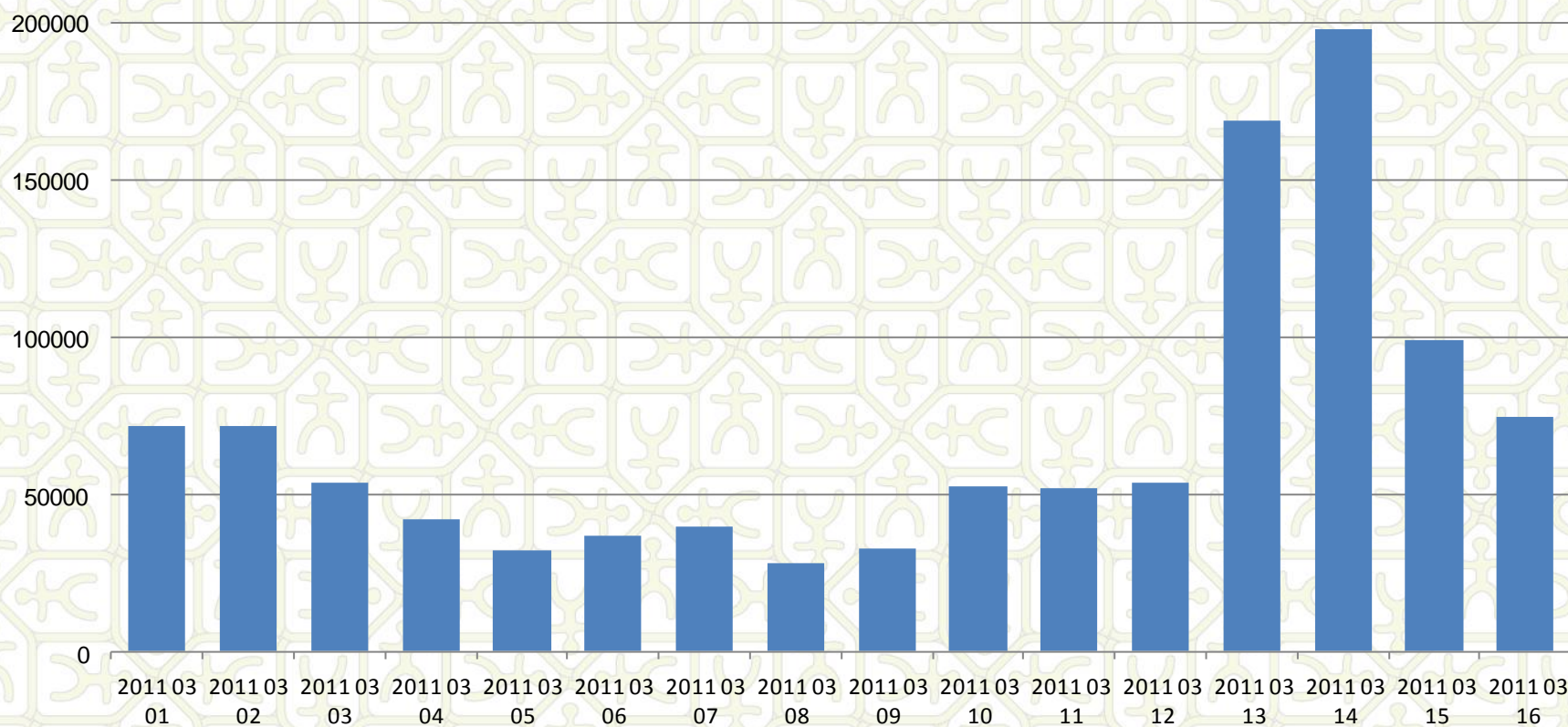
10.5 thousand calls



NUMBER OF CONNECTIONS TO THE E-CENSUS SYSTEM

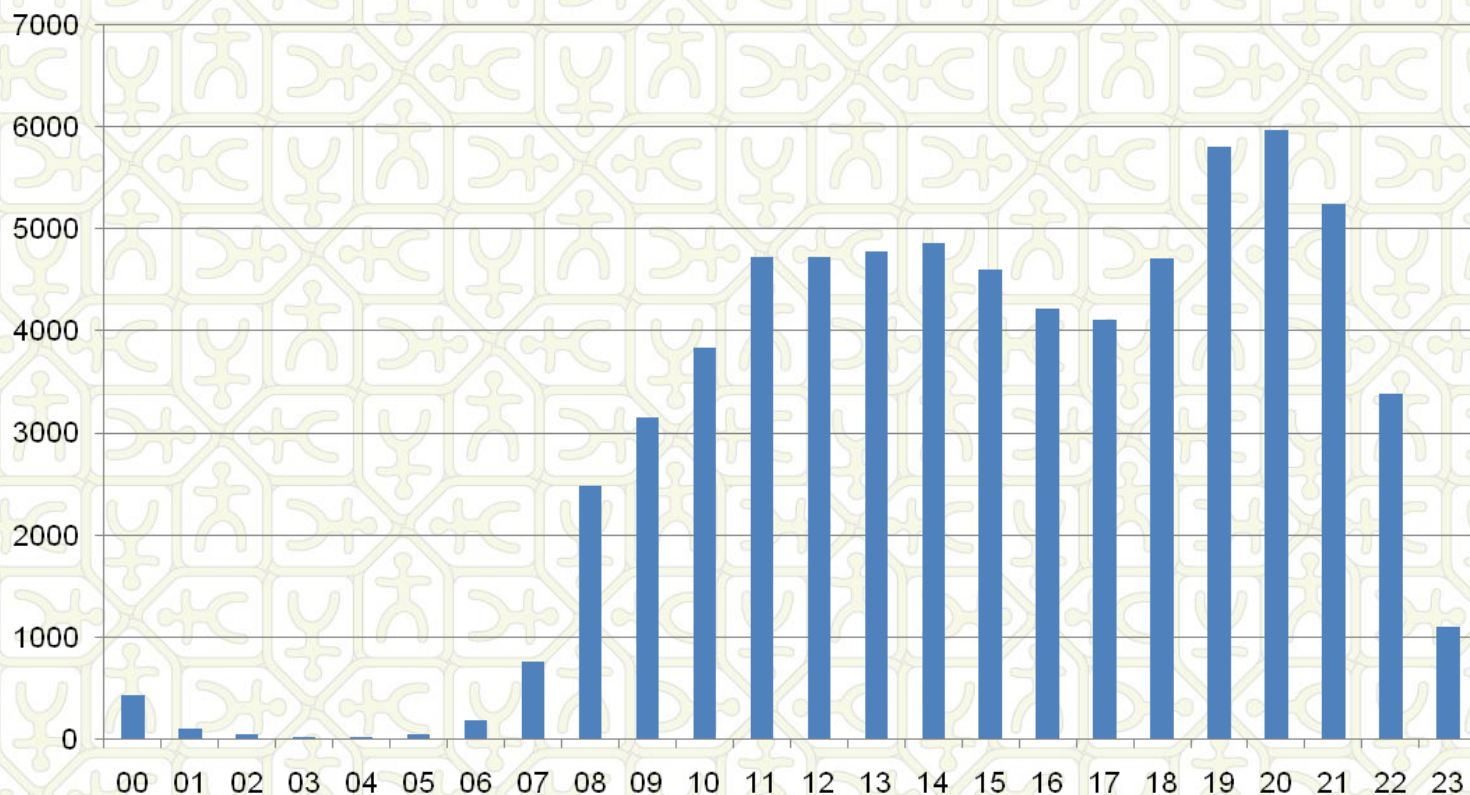
surašymas 2011

Residents most active in the first & in the last days of e-Census - as many as 17 thousand persons, on average, would be connecting to the system per hour



AVERAGE CONNECTIONS NUMBER TO E-CENSUS SYSTEM PER DAY BY HOUR

surašymas 2011



INTERNET CENSUS RESULTS






Count on:

1 million 38.7 thousand persons
(32 % of Lithuanian residents)

403.3 thousand dwellings



LESSONS LEARNED

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-  To have enough time for the preparation and testing of the e-Census questionnaire design and user-friendly functioning;
-  To dedicate enough time to the testing of the questionnaire; an e-questionnaire should differ from the paper one (navigation between questions, broader explanatory information);
-  To foresee time, resource, technical capacity reserves;
-  The population should be consulted by an e-questionnaire consultant centre;
-  More attention should be paid to the teaching of the population, explaining how to use the e-Census system.

CONCLUSIONS

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-  Population is ready for e-governmental services and is willing to use them;
-  Innovative e-census was a successful project that saved time and money for Statistics Lithuania and the State budget.



**Thank you
for the attention!**

www.stat.gov.it

Dalia.ambrozaitiene@stat.gov.it