



## Single point information

Ilija Kepevski

Agency for Electronic Communications



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## Objectives of the survey are the benefits from the underground cadastre from the viewpoint of the Single point of information

### SURVEY OBJECTIVES

- The main objective of the survey is to analyze the benefits from the underground cadastre in the Republic of Macedonia. Hence, the specific objectives arise:
  - Theoretical analysis of a the Single information point
  - Analysis of the benefits from the underground cadastre in terms of increasing the quality of life of the population
  - - Analysis of the benefits from the underground cadastre in reducing the timeframe for obtaining information
- Analysis of the benefits from the underground cadastre in terms of the process for submission and approval of an application for construction, etc.



## THEORETICAL DETERMINATION OF THE SINGLE INFORMATION POINT IN THE EU MEMBER STATES

EU points of single contact are tools on the single market developed by the European Commission. These are specialized and free services within a network, portals where the entrepreneurs and exporters from all 28 EU member states get support, assistance, quick and simple access to confidential information in certain areas.

There are five main objectives that need to be established for the points of single contact:

- access to the e-government portal via internet,
- access to clear and exhaustive information on procedures,
- enabling implementation of necessary procedures online (such as registration in commercial and professional registers,
- obtaining permits and approvals, sending reports, and the like),
- enabling submission of requested data and documents electronically,
- issuing decisions and permits electronically.





## SPI through the viewpoint of AEC in Macedonia

- Pursuant to Article 67 of the Law on Electronic Communications, the Agency for Electronic Communications is obliged to set up on its website a single point, information where all interested parties would be able to get the minimum information regarding:
  - The planned construction of a public electronic communications network
  - The existing physical infrastructure of an entity, that is to say:
    - Data on the type
    - Basic technical properties
    - Horizontal and vertical layout of the underground and overhead infrastructure facilities
    - Auxiliary installations
    - Data on the entities managing them.



## The single point information will enable the following business processes that are within AEC's competencies (1/2)

- It will provide information to users, operators and international organizations and bodies
- It will provide support for approving the basic design (main project) for construction of a public electronic communications network and auxiliary means
- It will provide support for issuing opinions during the procedure for drafting and adopting the spatial planning documents
- It will provide support for granting consent on the fulfillment of special conditions for performing works in the zone of the electronic communication network and auxiliary means
- It allows the interested parties to obtain the minimum information regarding the planned construction of a public electronic communications network and equipment, and on the existing physical infrastructure of the entity managing infrastructure facilities.





The single point information will enable the following business processes that are within AEC's competencies (1/2)

- Interested parties may obtain an information on the manner and conditions for obtaining a construction permit, that is to say, access to the relevant legislation, so that said parties are able to see or download from the website the following documents:
- Law on Electronic Communications
- Construction Law
- Law on Spatial and Urban Planning
- Other relevant laws and regulations

It provides operators, who want to build a public communications network, with a simple way to access information on the current state of infrastructure facilities and other carriers in the area where construction is planned

It allows simultaneous access to unlimited number of users and data editing in a multi-user environment

It provides standard tools for map navigation:

- Zooming-in
- Zooming-out
- Moving across the map
- Zooming-in on a selected infrastructure facility or group of facilities
- Zooming-in of a given x, y coordinates
- Setting an arbitrary map scale
- Floating window that will display the viewed map



## Supported business processes by the single information point

- It provides information to users, operators and international organizations and bodies
- It provides support for approving the basic design (main project) for construction of a public electronic communications network and auxiliary means
- It provides support for issuing opinions during the procedure for drafting and adopting the spatial planning documents
- It provides support for granting consent on the fulfillment of special conditions for performing works in the zone of the electronic communication network and auxiliary means





## Other functions of the single information point

It provides access to the relevant legislation, in such a way that is possible to see or download the following documents:

- Law on Electronic Communications
- Construction Law
- Law on Spatial and Urban Planning
- Other relevant laws and regulations

At least the following information are included in the application:

**Agency for Real Estate Cadastre**

Topographic maps in 1:25000 scale

Ortho-photo image of R. of Macedonia    Satellite image for 2014

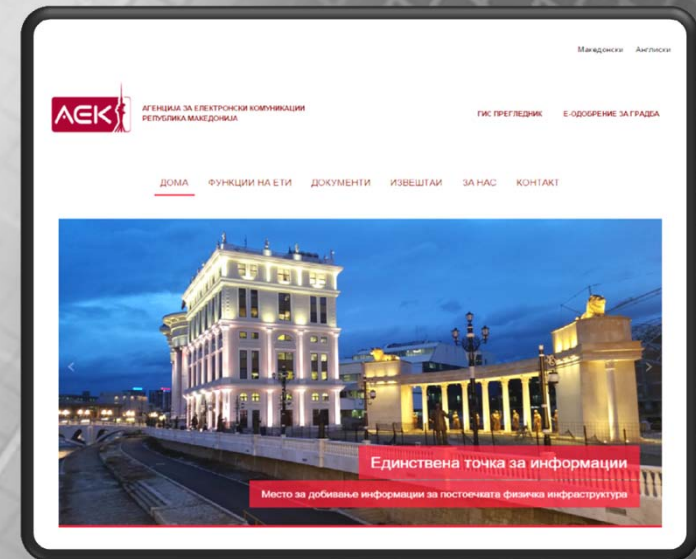
Administrative units

Cadastral parcels/lots

Infrastructure facilities

**City of Skopje**

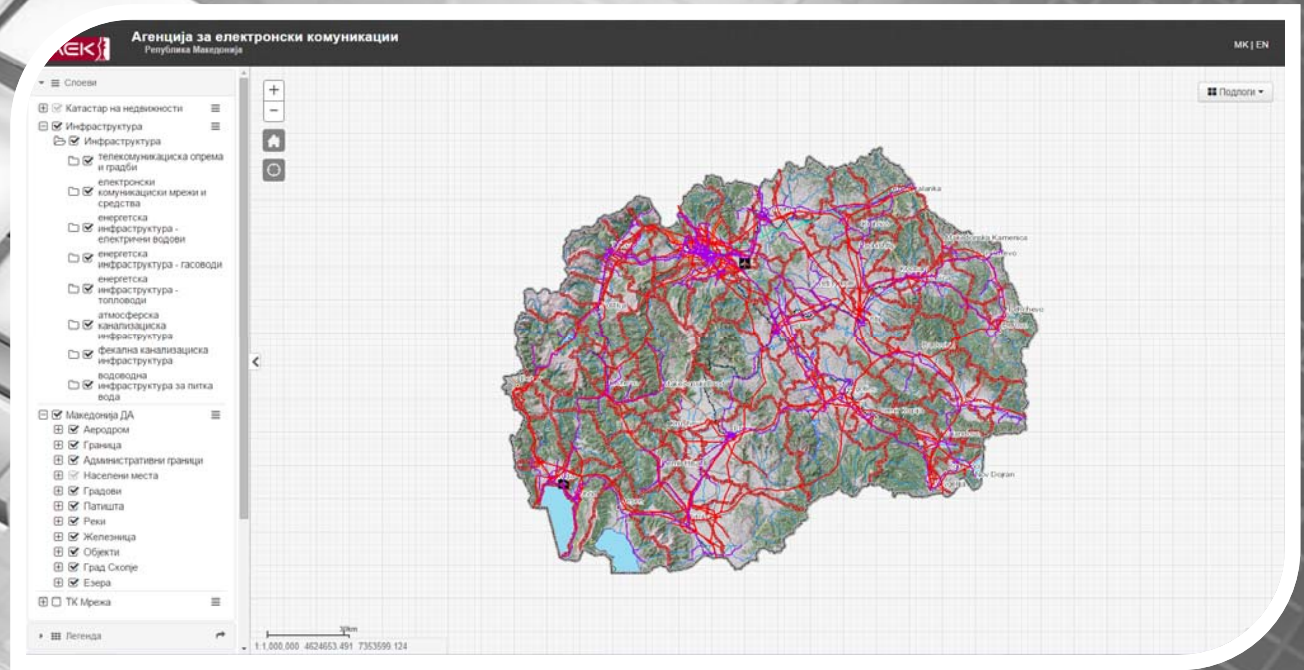
Address model of the City of Skopje





## Case models - turning on/off certain layers/services (1/2)

**Case 1:**  
On  
(visible) all  
Services and layers

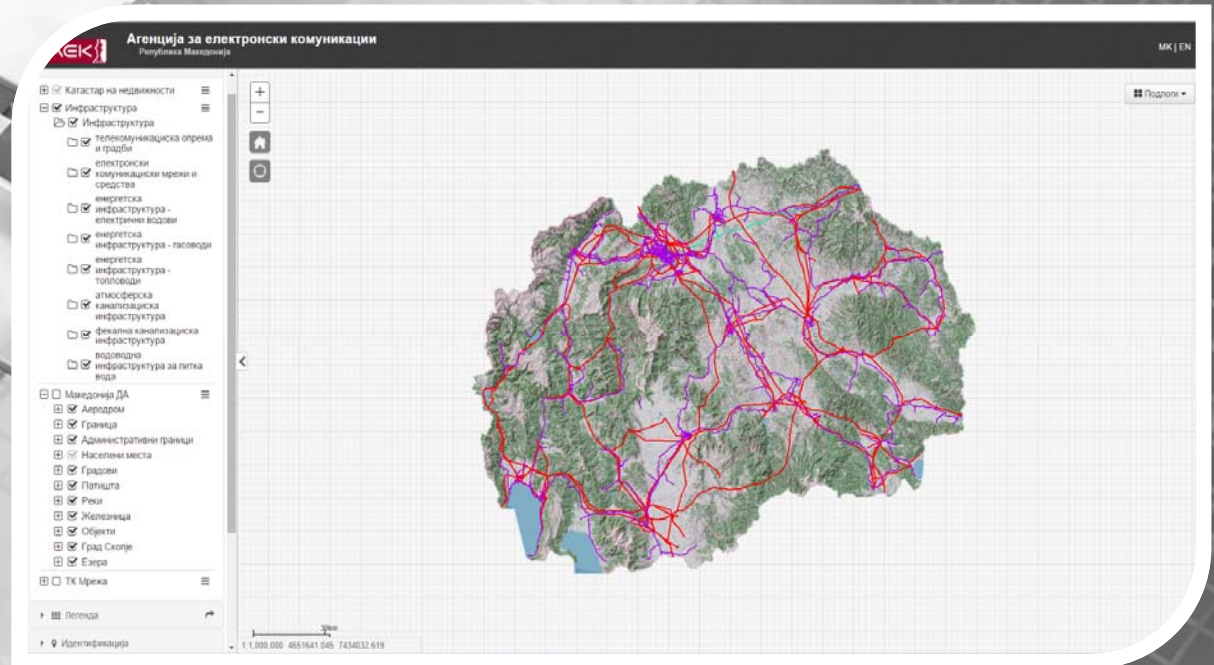






## Case models - turning on/off certain layers/services (1/2)

Case 2:  
Off  
(not visible) layer  
"Macedonia YES"

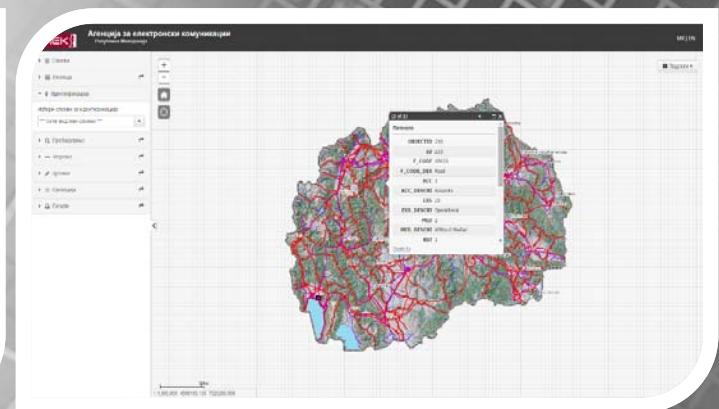
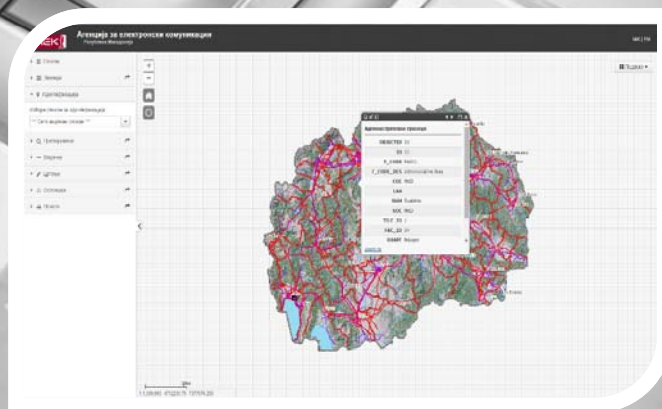
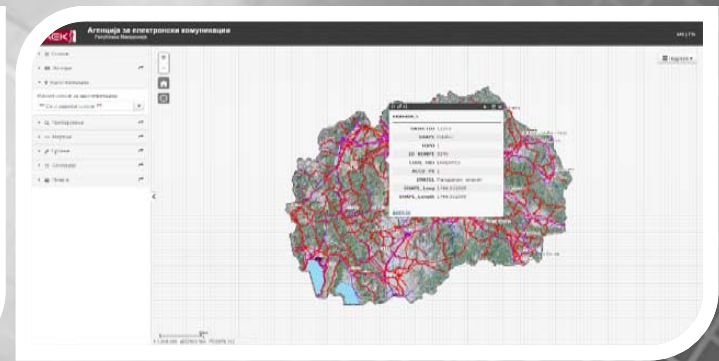
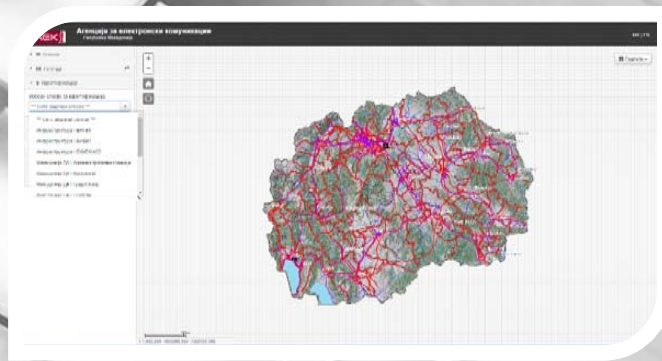






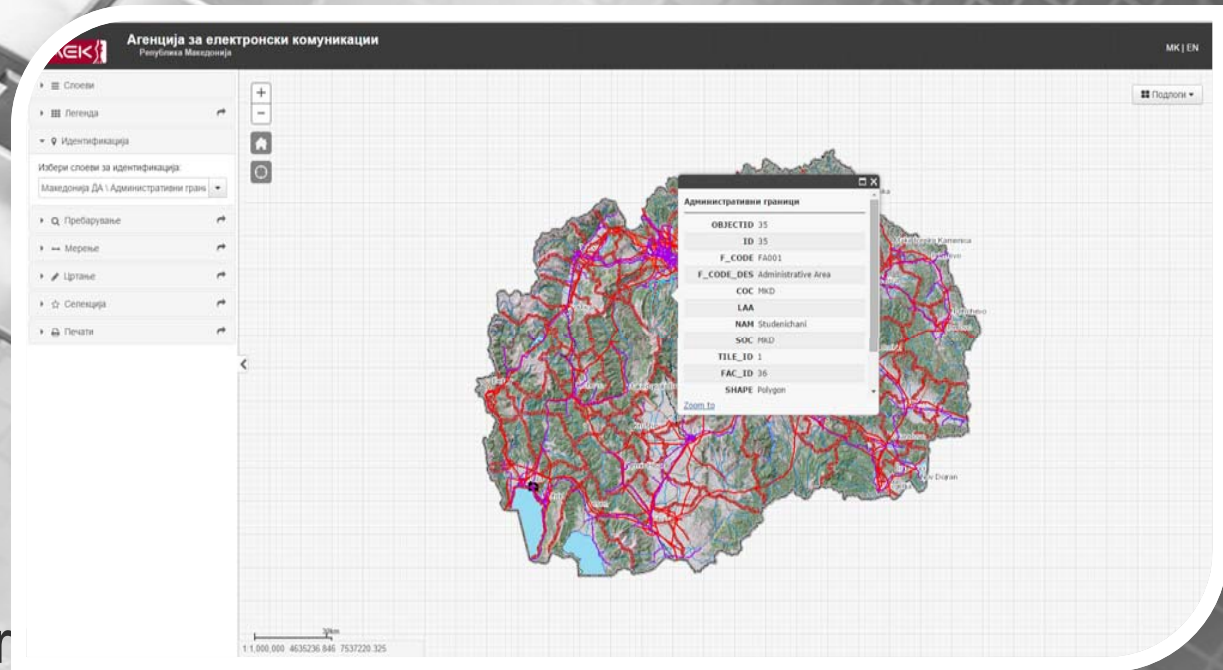
# Case models - identification

**Case 1:**  
Identification  
of all layers  
(all objects from all  
layers are identified  
for the selected  
coordinates)



### Case 2:

Identification of the layer "Macedonia" YES Administrative borders "(for selected coordinates are identified objects only from the particular layer





# Case models - Search

Case 1:  
Search  
by municipalities

Агенција за електронски комуникации  
Република Македонија

MK | EN

Слоеси  
Легенда  
Идентификација  
Пребарување

Избери начин на пребарување:  
Пребарувај Општине

Пребарувај:  
ср

Оние кои точно се преклопуваат

Пребрај Искрсти

41 Пронајдени резултати

Резулт

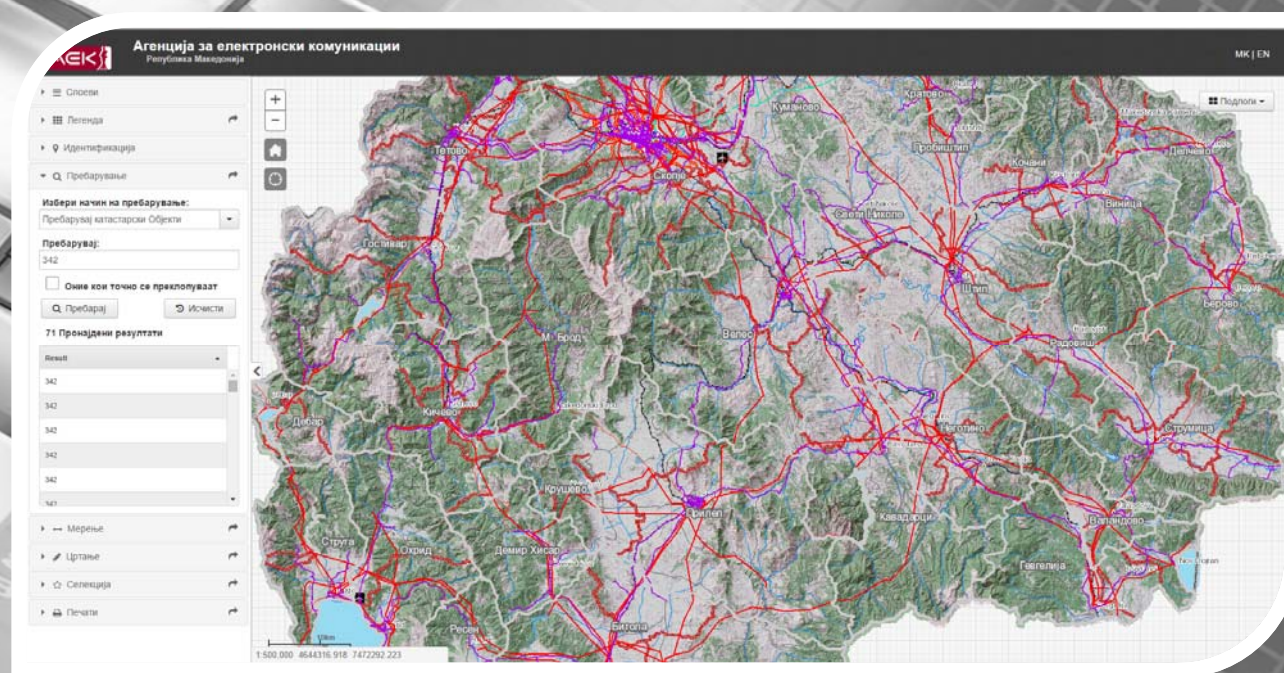
- Арбанаско
- Банско
- Банско-вир
- Битоласко
- Велтско
- Ивлин

Мерце  
Цртење  
Селекција  
Печати

1:1,000,000 4668045.245 7357567.882



## Case 2: Search by cadastral objects



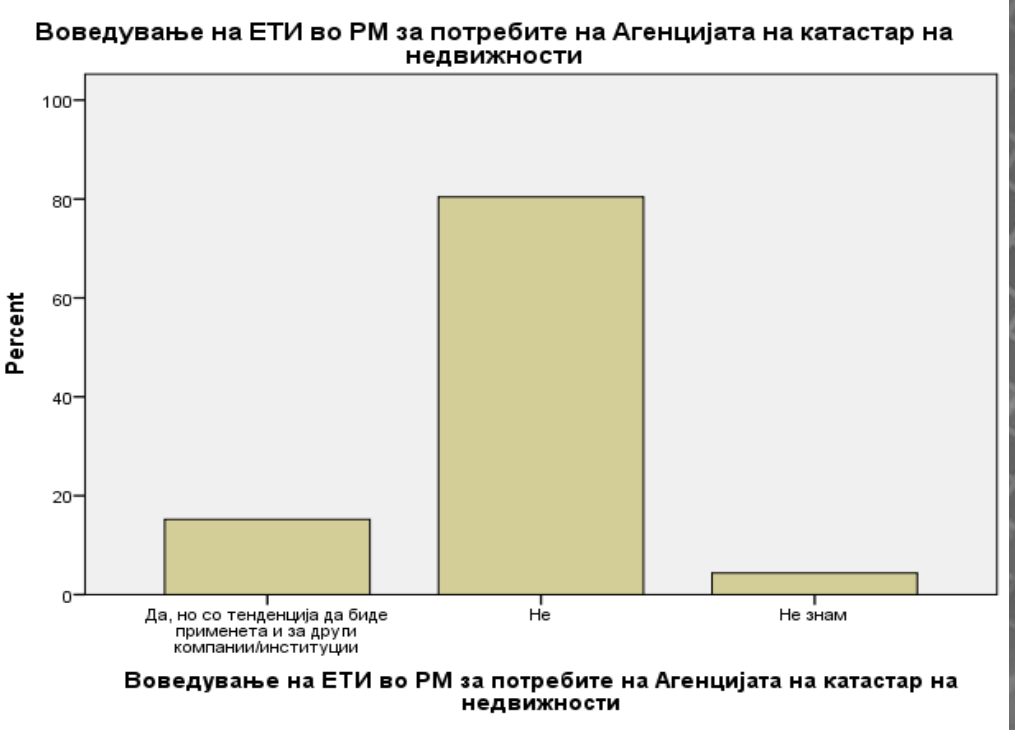
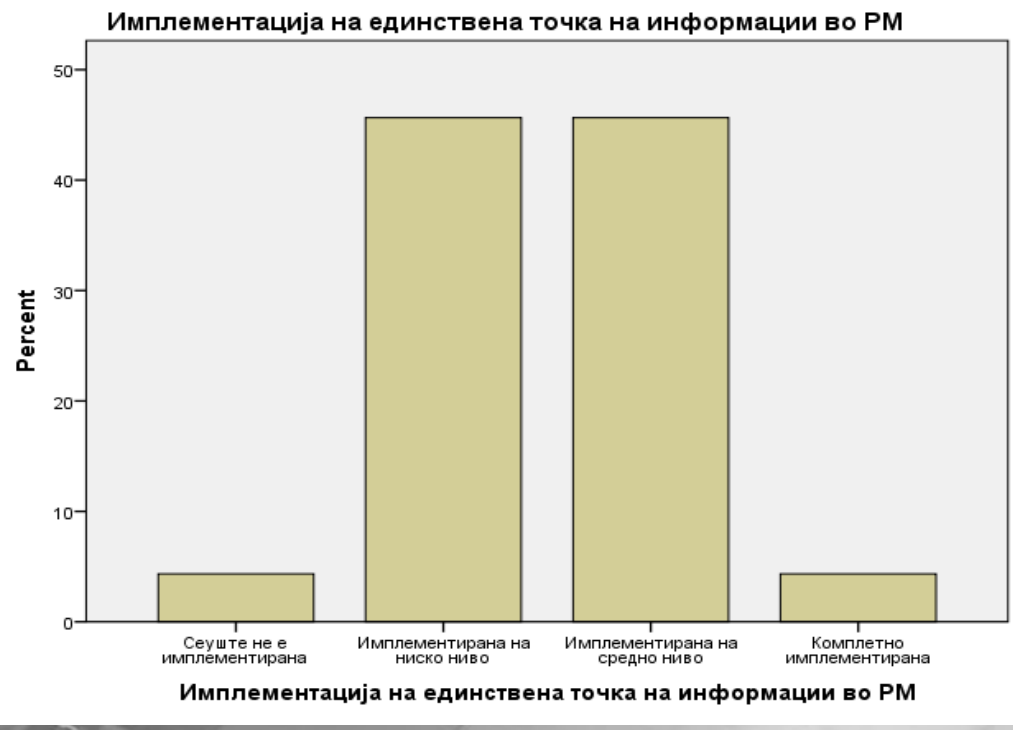


## Benefits from the application of a single information point

- Saving time
- Economic costs
- Easy of use and effectiveness



# BENEFITS FROM THE UNDEGROUND CADASTRE OF A SINGLE INFORMATION POINT IN THE R. OF MACEDONIA -EMPIRICAL SURVEY (1/8)



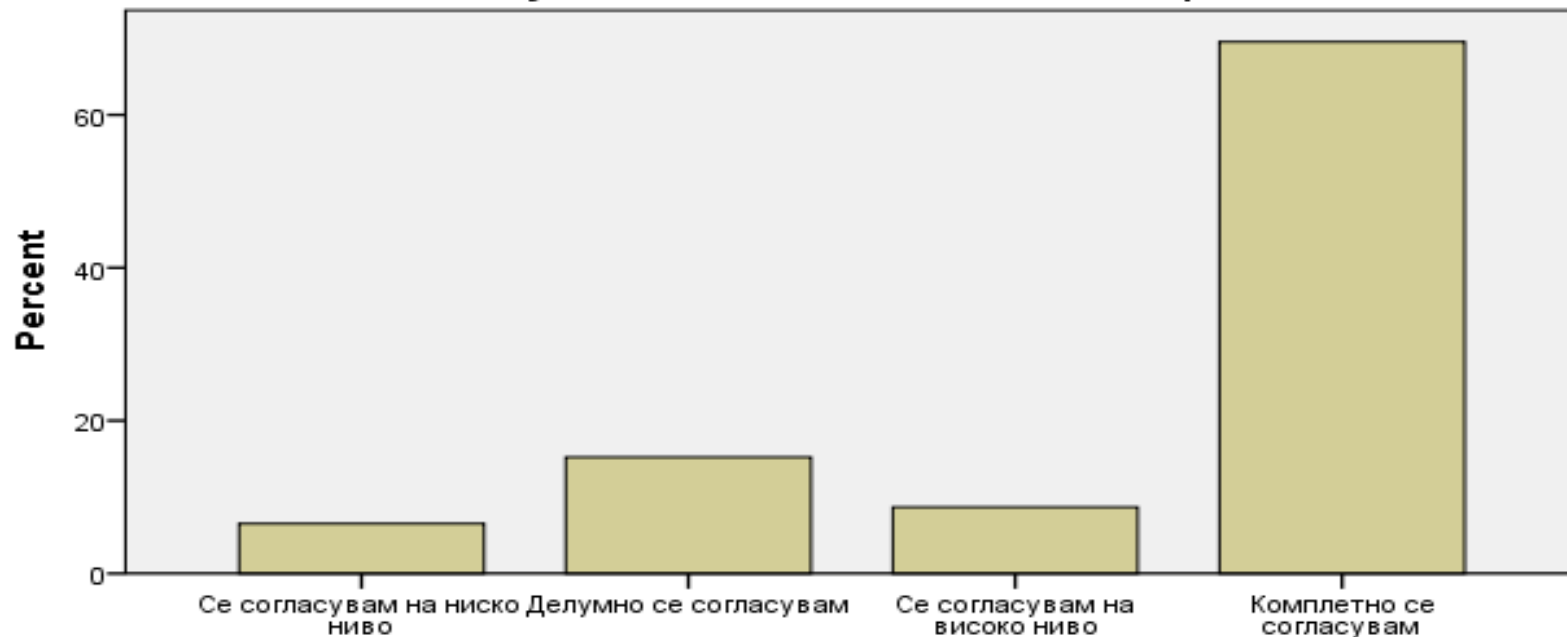


# BENEFITS FROM THE UNDERGROUND CADASTRE OF A SINGLE INFORMATION POINT IN THE R. OF MACEDONIA -EMPIRICAL SURVEY (2/8)

Специјалисти кои управуваат, раководат и ја администрираат ЕТИ

Исполнување на својата цел - ЕТИ

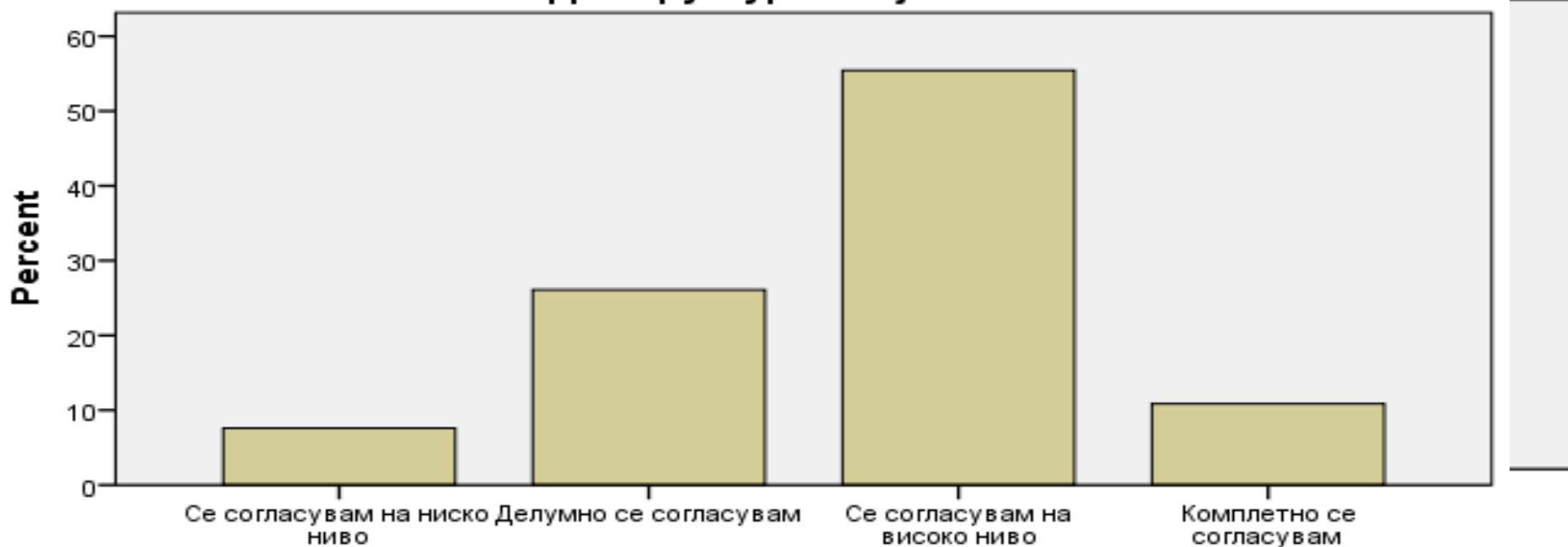
**АЕК обезбедува ЕТИ податоци за видот на градба**



**АЕК обезбедува ЕТИ податоци за видот на градба**

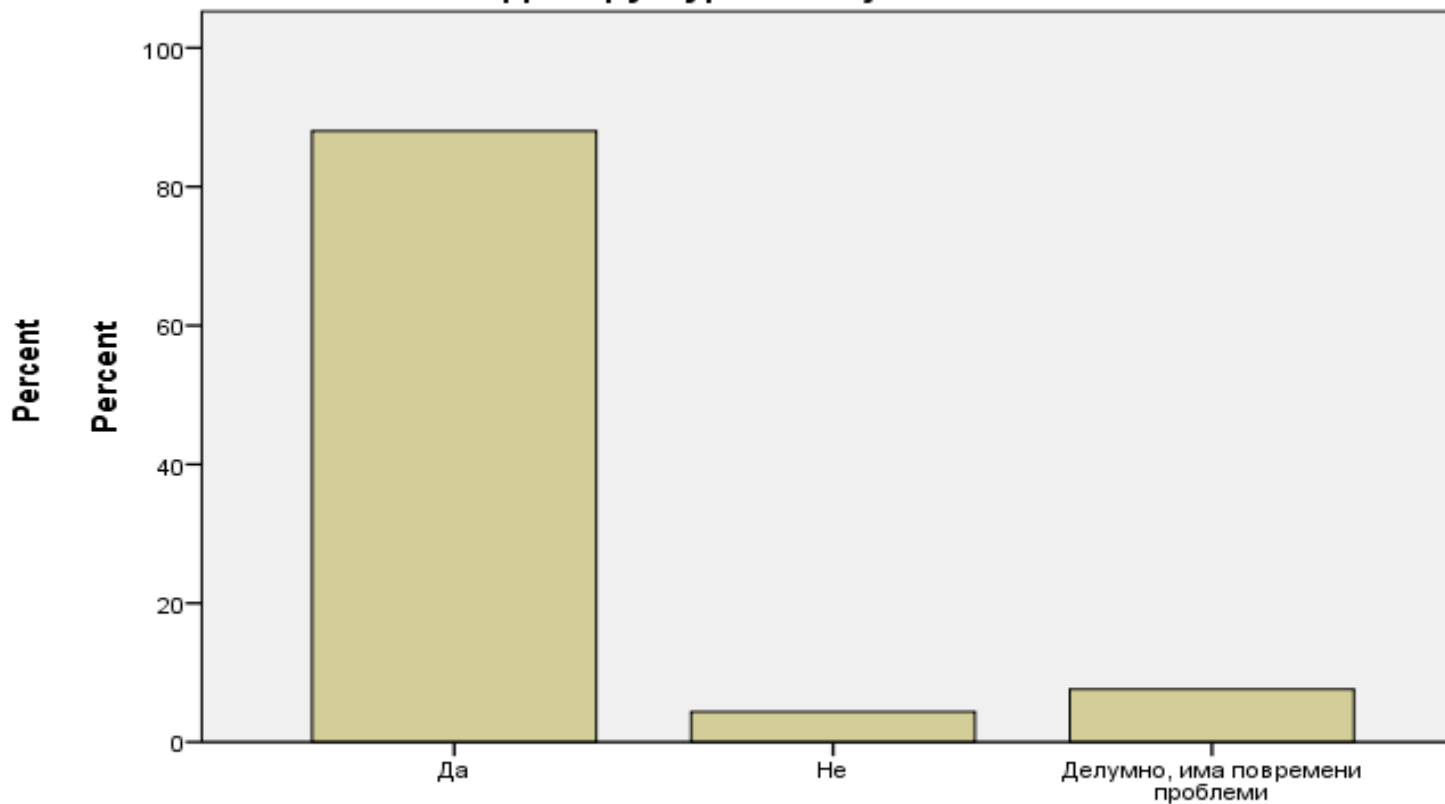
Исполнување на својата цел - ЕТИ

**АЕК обезбедува ЕТИ за придружна инсталација на подземни и надземни инфраструктурни објекти**



**АЕК обезбедува ЕТИ за придружна инсталација на подземни и надземни инфраструктурни објекти**

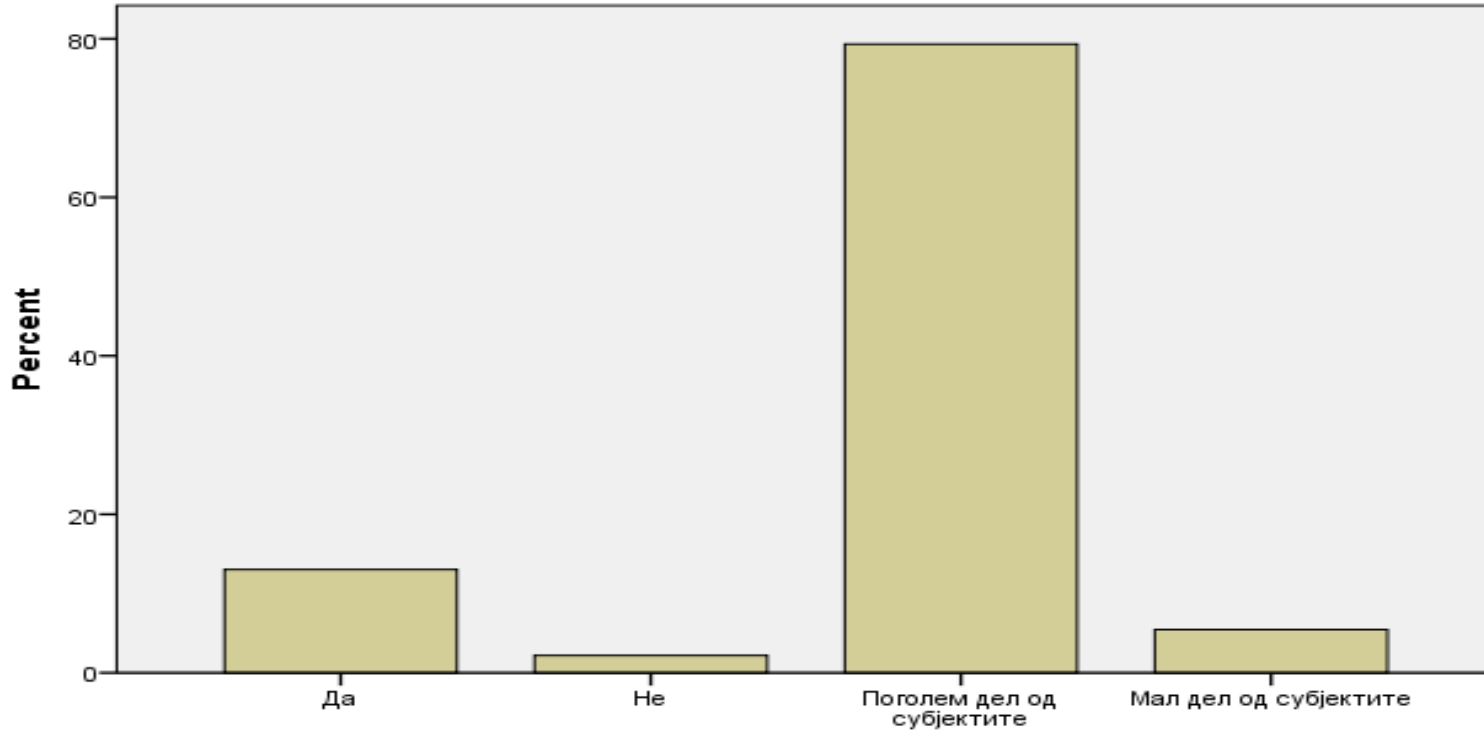
**Агенцијата за катастар на недвижности нуди достапност на податоците кон инфраструктурните објекти на АЕК**



**Агенцијата за катастар на недвижности нуди достапност на податоците кон инфраструктурните објекти на АЕК**

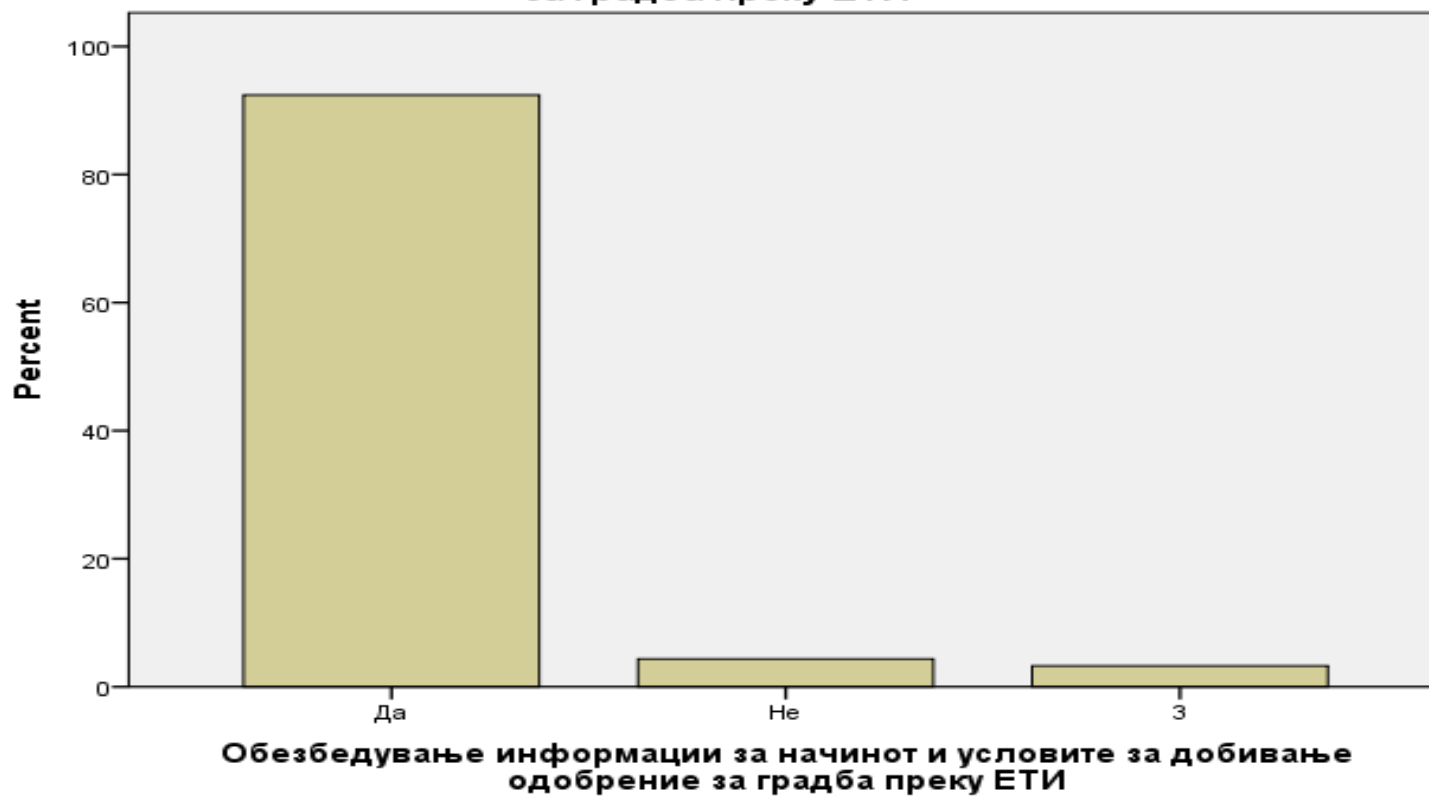


**Обезбедување на бараните информации во рок од 60 дена од приемот на писменото барање**



**Обезбедување на бараните информации во рок од 60 дена од приемот на писменото барање**

## Обезбедување информации за начинот и условите за добивање одобрение за градба преку ЕТИ



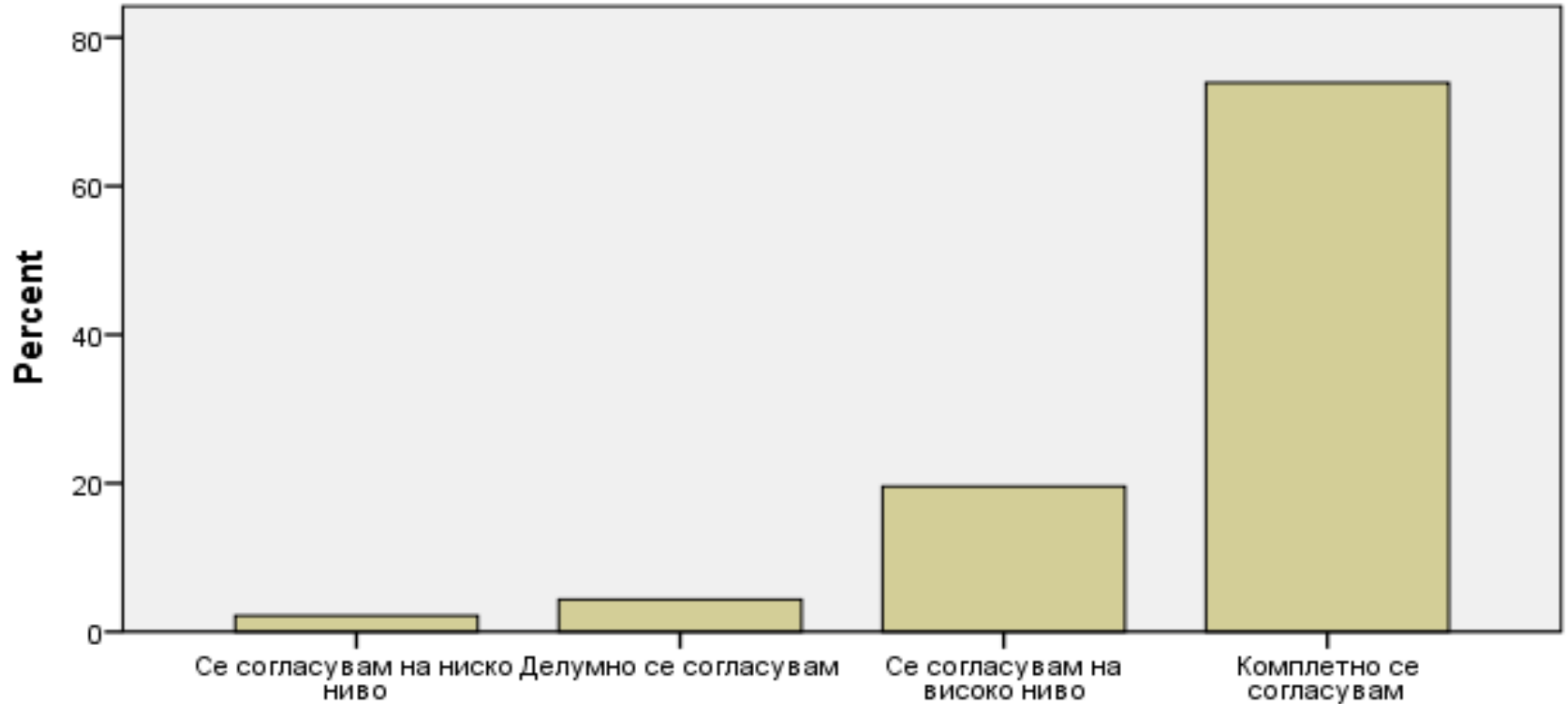
Активност на апликацијата за ЕТИ и обезбедување истовремен пристап на неограничен број корисници



Активност на апликацијата за ЕТИ и обезбедување истовремен пристап на неограничен број корисници



**Подобрување на квалитетот на живот на граѓаните преку ЕТИ**



**Подобрување на квалитетот на живот на граѓаните преку ЕТИ**



## Final observations (1/5)

- The survey conducted for the master thesis arrived to the following conclusions:
- The current level of implementation of the single information point in our country is between low and medium level, clearly indicating that a lot has to be done to fully implement it.
- As per the opinion of the respondents, the single information point in the Republic of Macedonia has not been introduced only for the purposes of the real estate cadastre, but also for the other companies and institutions that require its use.
- Republic of Macedonia has a sufficient number of professionals, who know the proper way to manage, operate and administer the single information point.



## Final observations (2/5)

- The single information point fulfills its goal in providing minimum information to the entities who have requested such information via electronic means, concerning a planned construction of a public electronic communications network.
- AEC provides data on the type of construction, but still to an unsatisfactory degree.
- There is relative satisfaction among respondents in terms of getting information on construction, that is to say, on the technical properties of underground infrastructure facilities.
- There is a medium level of satisfaction among the respondents in terms of obtaining the technical properties of overhead infrastructure facilities.





## Final observations (3/5)

- There is a medium level of satisfaction among the respondents in terms of obtaining the technical properties of horizontal and vertical installation of underground and overhead infrastructure facilities.
- There is a high level of consent by the respondents in terms of the SIP providing information on the auxiliary installation of underground and overhead infrastructure facilities.
- There is a medium to high level of consent by the respondents in terms of AEC providing a SIP for minimum information on the entities managing the infrastructure facilities.
- More than half of the respondents deem that AEC does not provide information in accordance with the Law on Real Estate Cadastre, hence it should be worked on and improved upon.
- According to the respondents, it should be emphasized that almost always AEC provides the minimum information about planned constructions to the entities managing the infrastructure.



## Final observations (4/5)

- According to the respondents, it may be emphasized that if the minimum information cannot be provided via the SIP, the entities managing the infrastructure facilities, within one month of receipt of a written request from any operator of public electronic communications networks/services, provide to said operator access to the necessary information under proportionate, non-discriminatory and transparent conditions.
- According to the respondents, it may be emphasized that most of the entities, who manage infrastructure facilities, provide the requested information, thus making them available to AEC, who in turn provides access to said information via SIP, within 60 days of receipt of the written request.
- According to the respondents, it may be emphasized that operators during the process of collecting data for planning and preparation of the technical documentation for construction permit for a public electronic communications network and auxiliary means may partially get all the necessary information in one place, that is to say, not always.
- According to the respondents, it may be emphasized that very rarely operators submit, via the SIP, electronic requests for obtaining a construction permit for installing elements of electronic communications networks for high-speed transmission.
- According to the results obtained from the survey, it may be emphasized the SIP provides information on the manner and conditions for obtaining a construction permit.



## Final observations (5/5)

- According to the results of the survey, it may be emphasized that the SIP application performance is at an excellent level, and may be simultaneously accessed an unlimited number of users.
- According to the results of the survey, it may be emphasized that SIP enhances the overall process from submission of an application for a construction permit up to the entry in the Real Estate Cadastre.
- According to surveyed respondents, all of the benefits from the SIP in the underground cadastre have nearly the same impact and significance, i.e. reducing the timeframe needed to receive the information, required documents, reducing the waiting time and avoiding the crowds at help desks.
- The single information point highly contributes to the improvement of citizens' lives.
- Hence, it can be summarized that although not fully implemented yet, the single information point contributes to improving the overall process for providing information and to improving the quality of life of the citizens using SIP as part of the underground real estate cadastre.



THANK YOU FOR  
YOUR ATTENTION