Strengthening Broadband Infrastructure and Services across the Europe Region and beyond

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Network Deployment and Infrastructure Mapping in Cyprus

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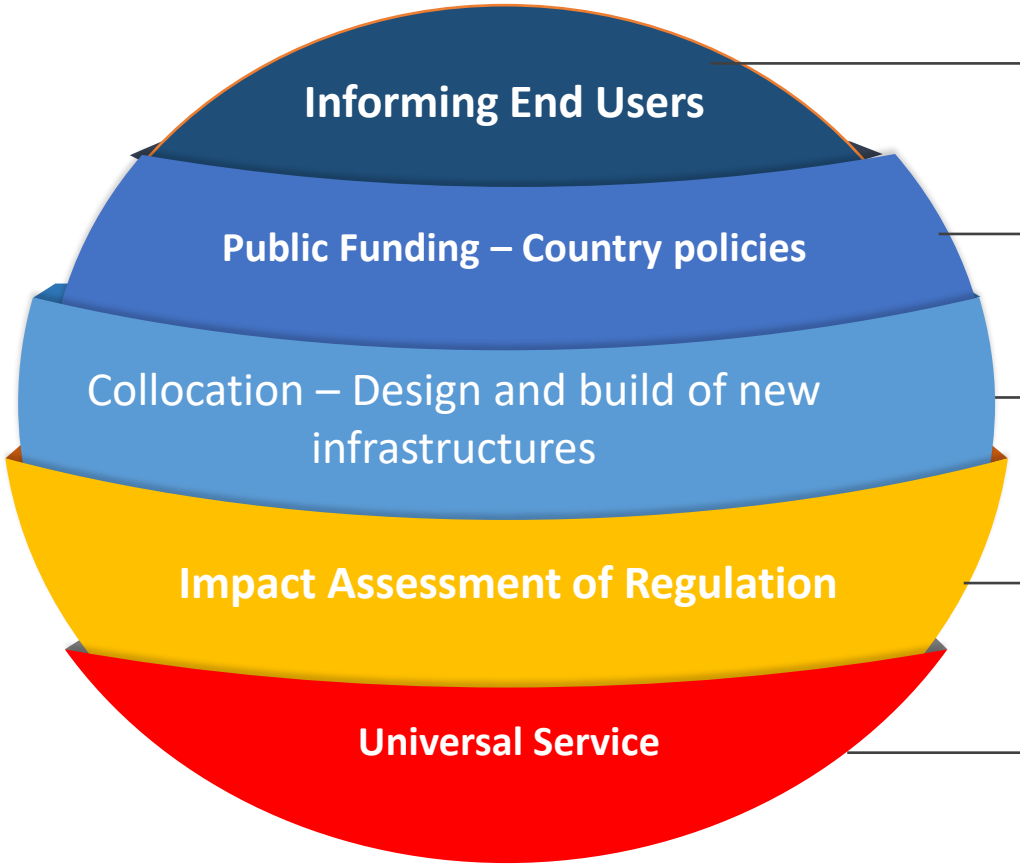
ΕΠΙΤΡΟΠΟΣ ΕΠΙΚΟΙΝΩΝΙΩΝ
Γραφείο Επιτρόπου για τη Ρύθμιση Ηλεκτρονικών Επικοινωνιών και Ταχυδρομείων

Uses of Mapping Data



- **Connectivity Availability**
- **Statistical Data and reports**
- **Location of postal offices**

- **Allocation of public funding (state aid)**
- **Design of National Broadband plans**

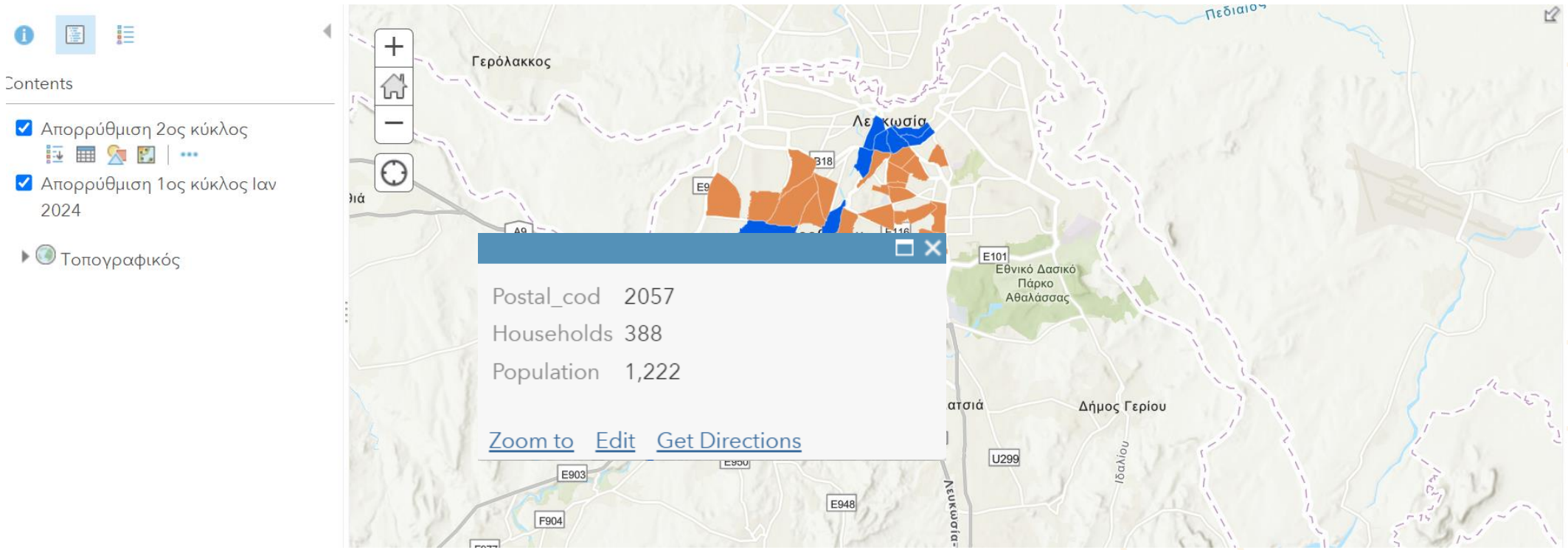
- **Collocation**
- **Coordination of civil works**

- **Effective planning, implementation and monitoring of broadband policies and related regulations.**

- **To verify the availability of services falling under universal service obligations**

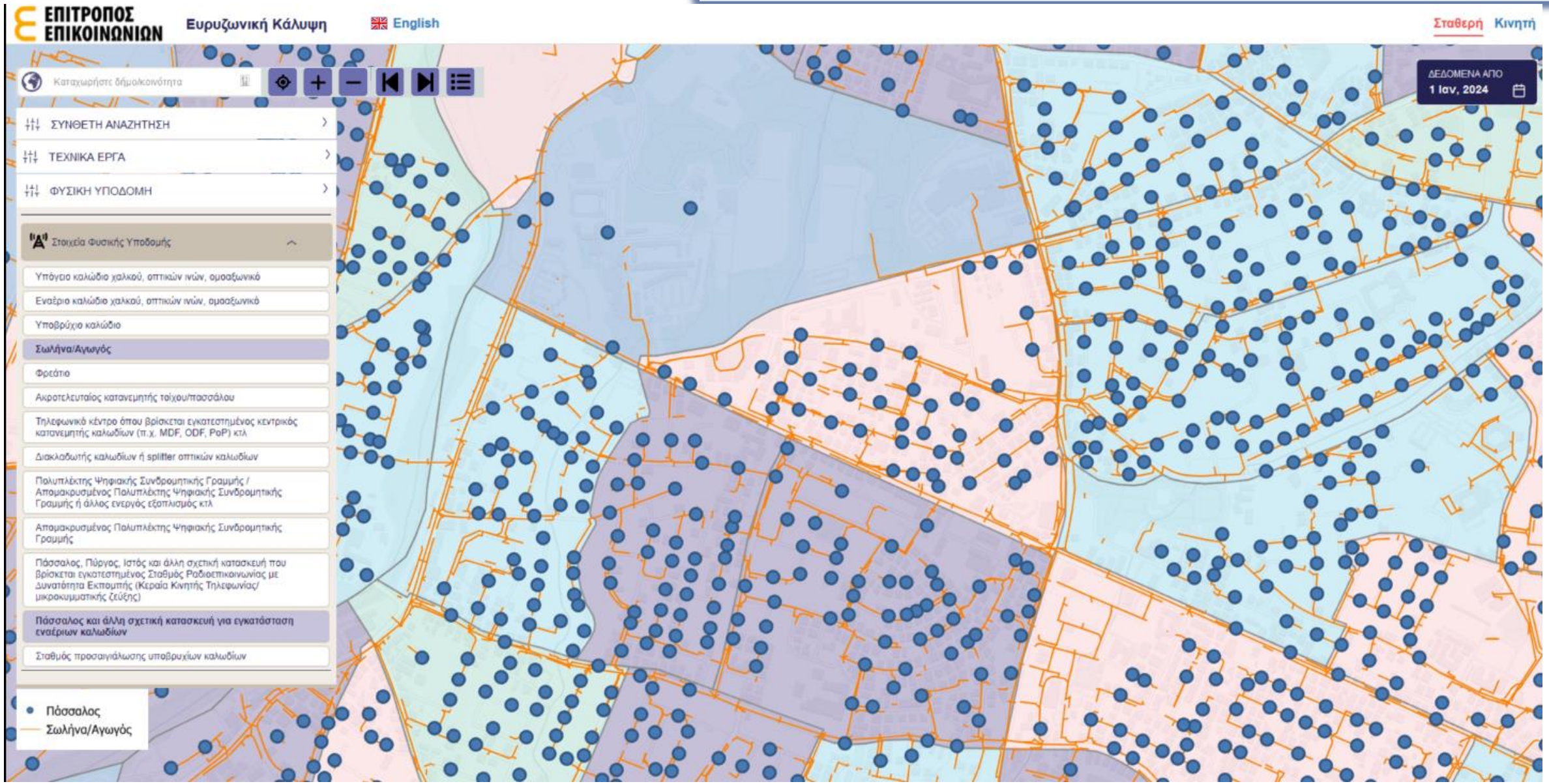
Examples

Market Deregulation of Wholesale Local Access market



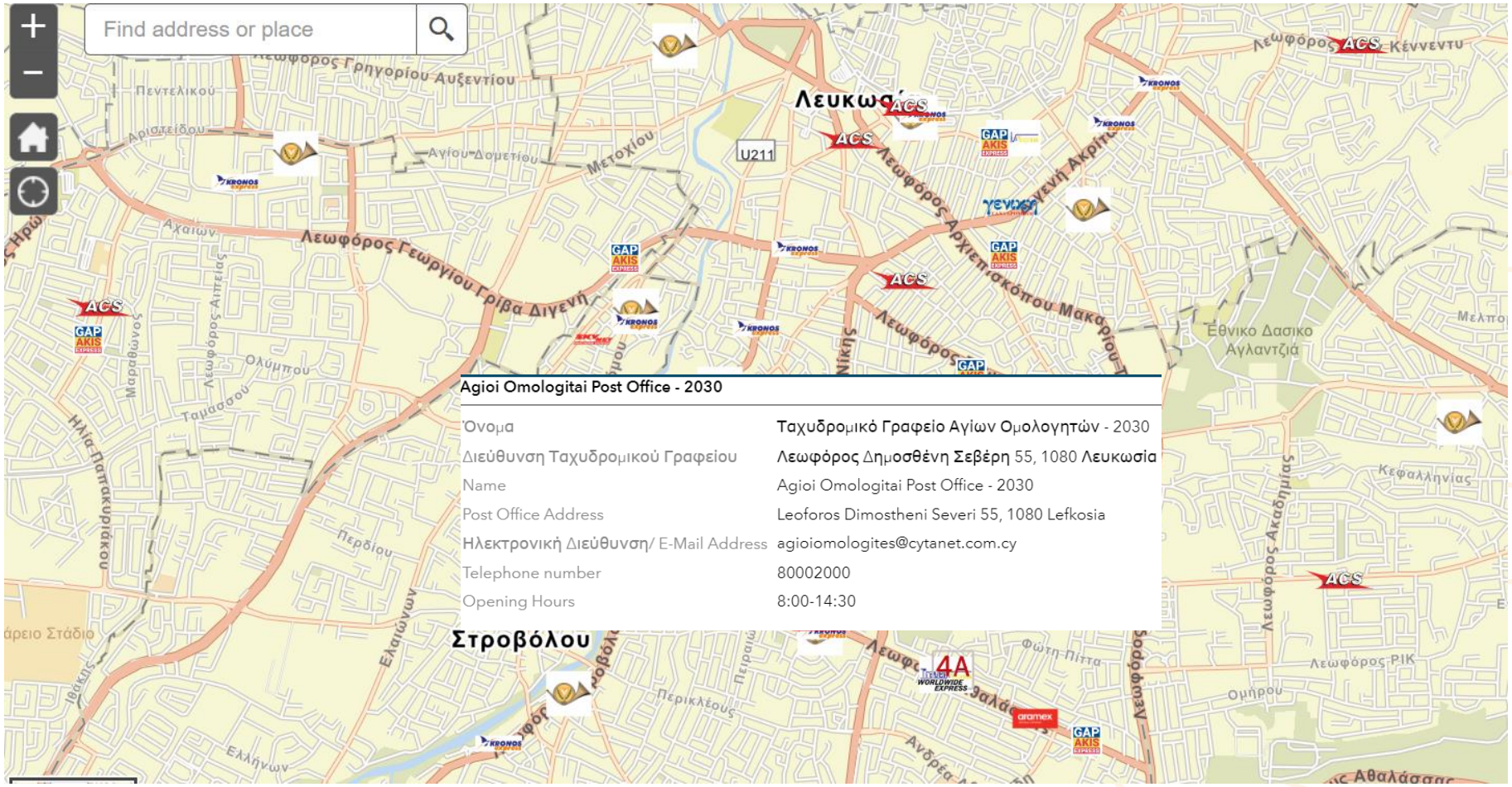
Examples

Physical Infrastructures



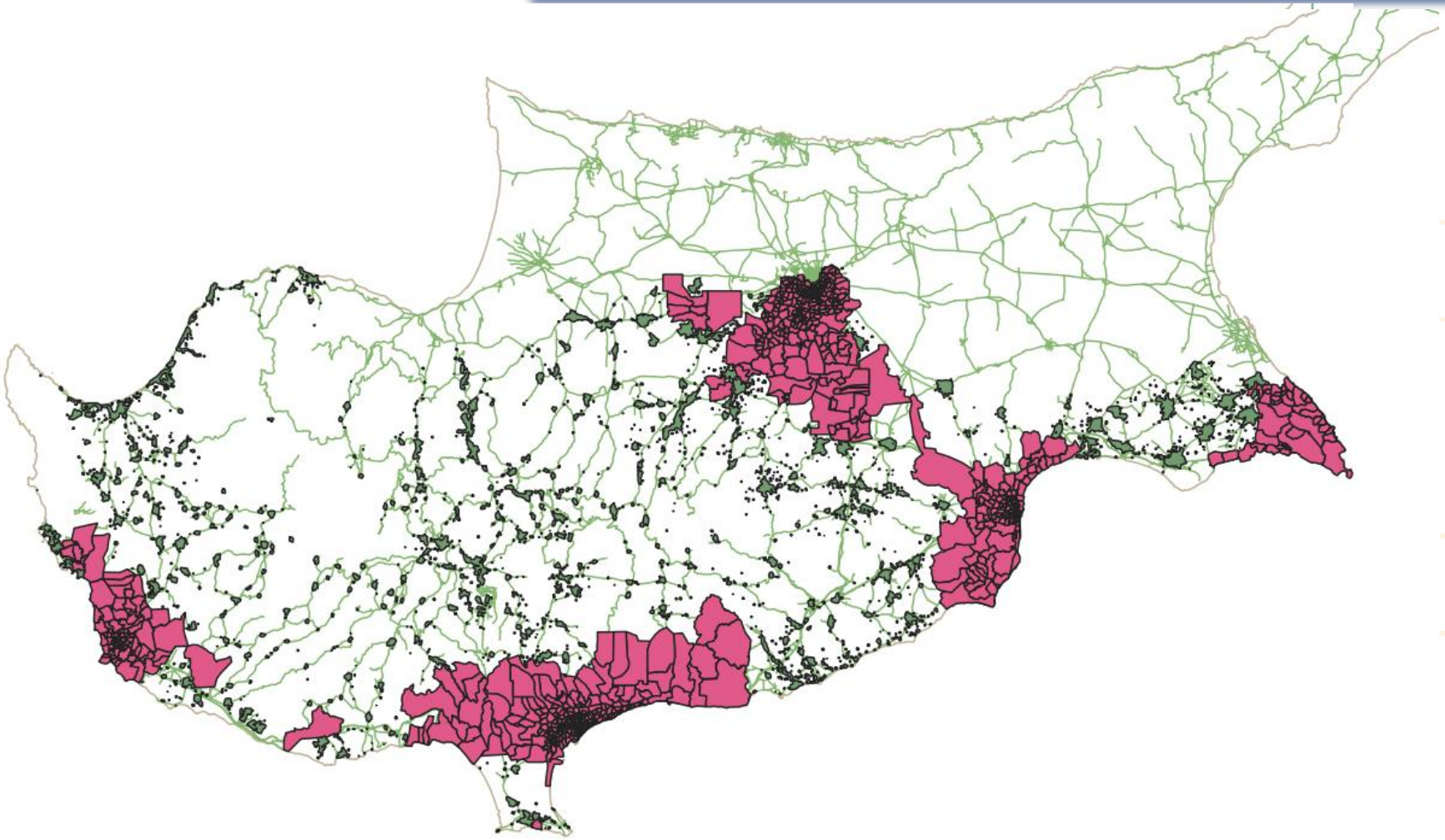
Examples

Location of Postal offices



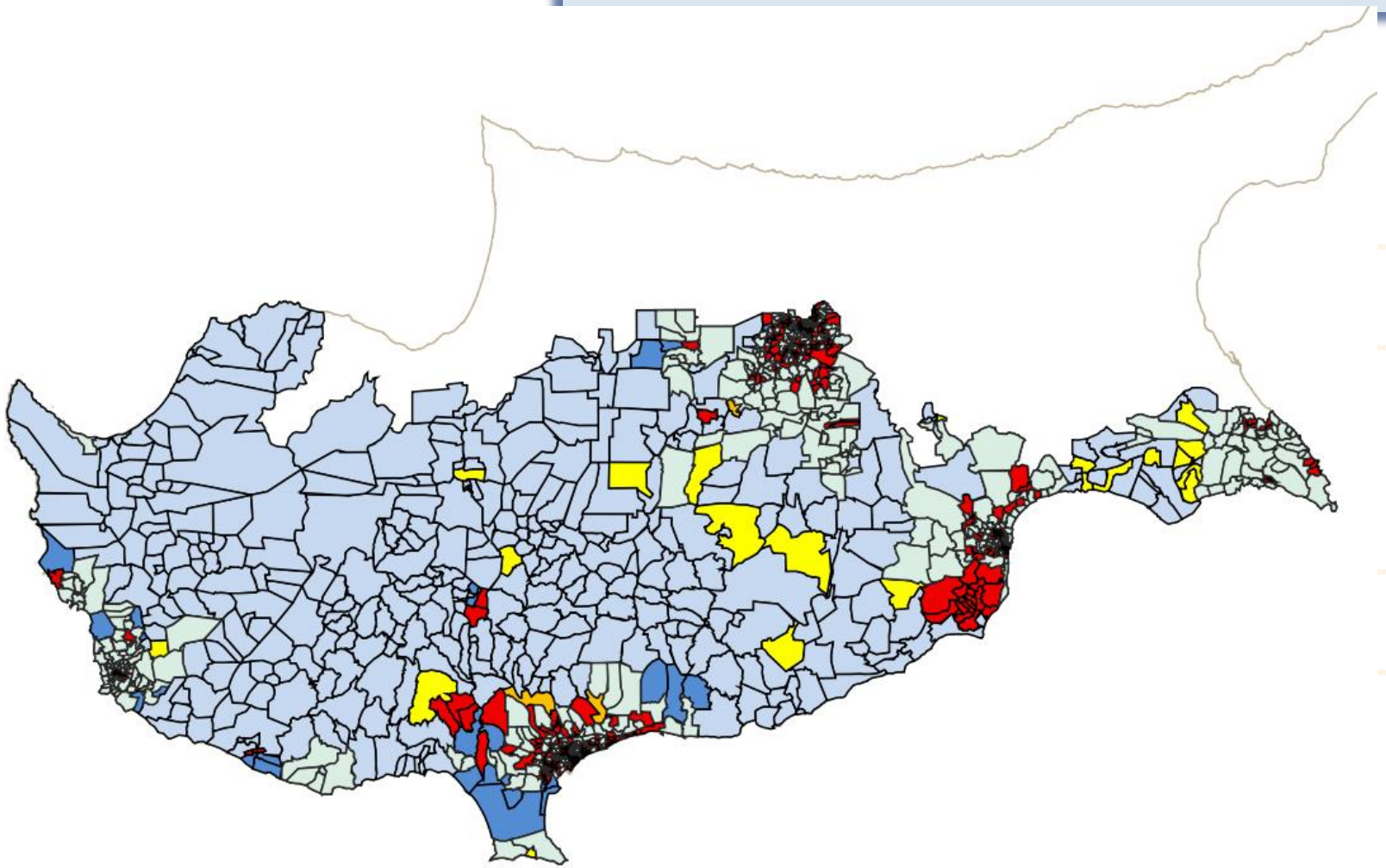
Examples

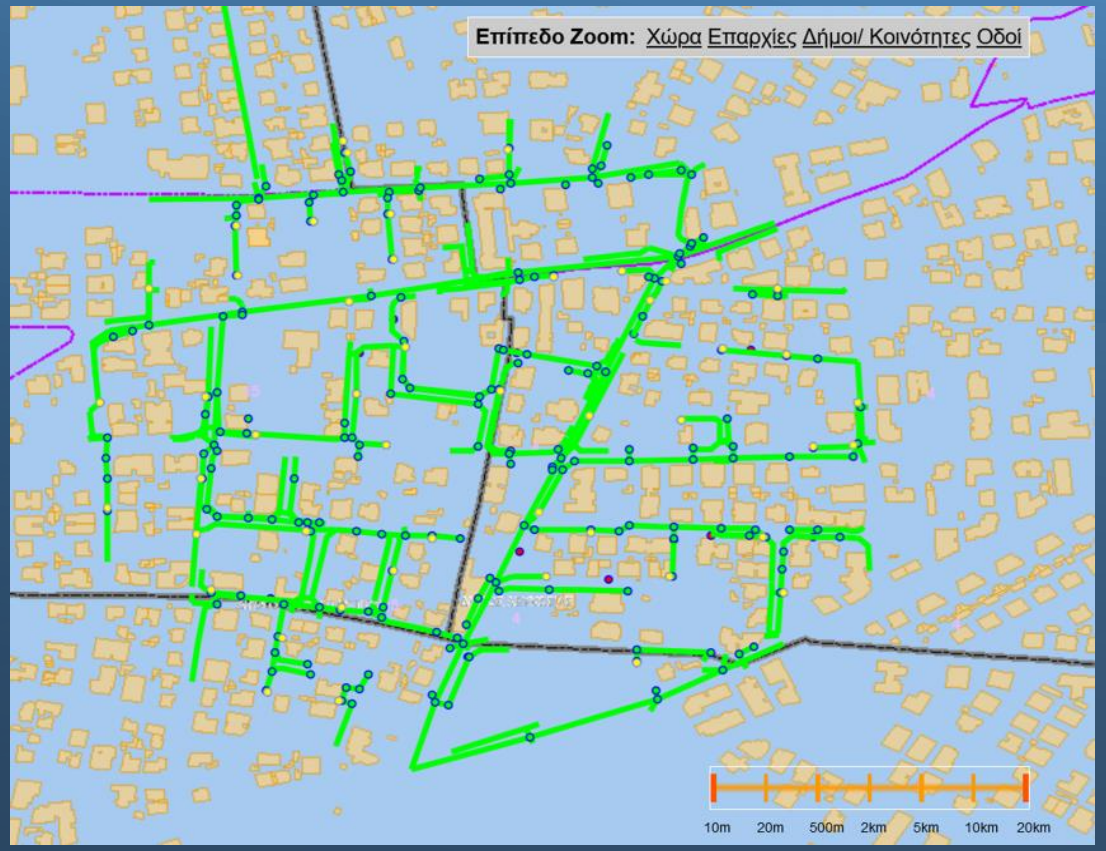
Network Coverage FTTH Plans

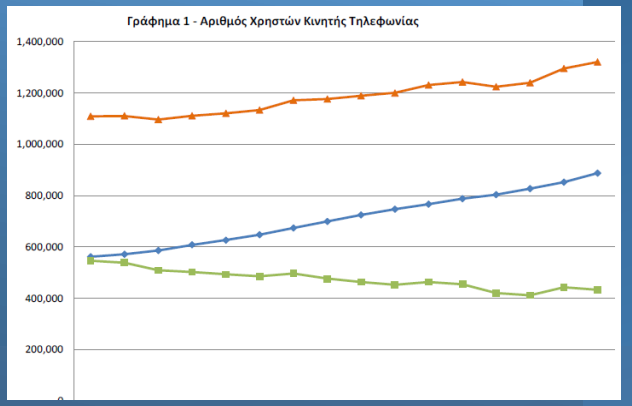


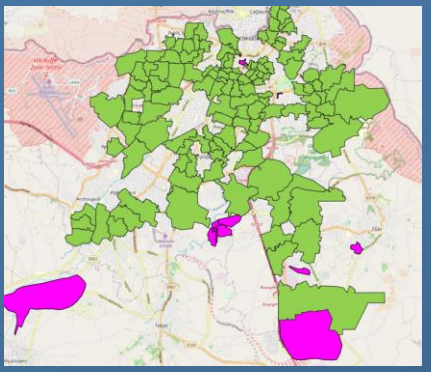
Examples

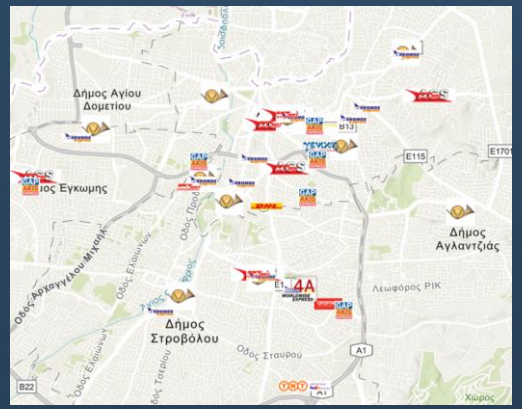
Network Coverage Plans – Type of Technologies











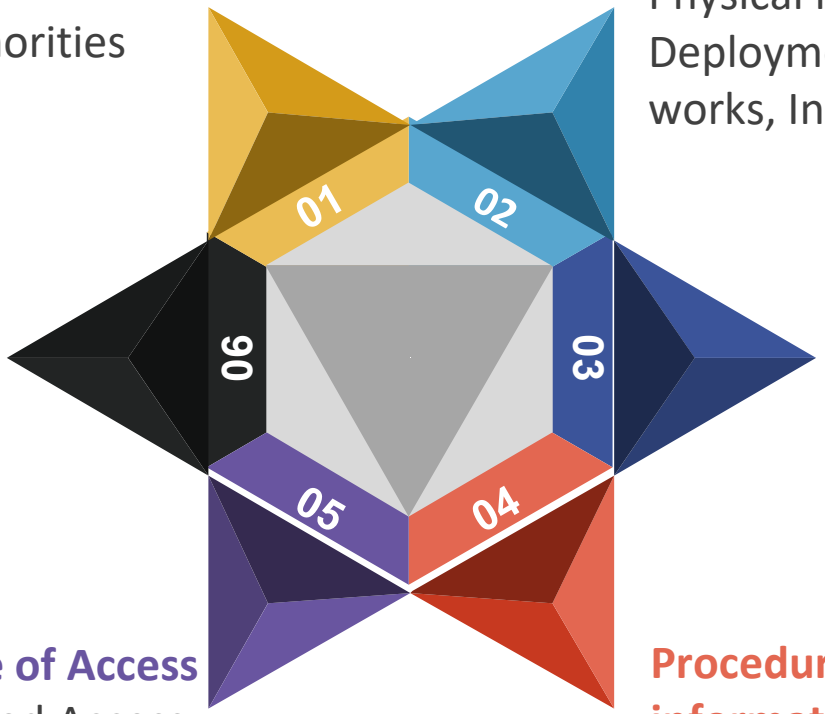
	79,40 Mbps
	20,02 Mbps
	16,07 ms
	3d8324d6-ad6b-4f05-a512-0690afc58128
	f0b6d3f1-40c8-4835-82df-747b28caa326
	06.11.2022 07:53

Current Status: Integration – Access Exploitation of Geographic Data

Sources of information
Electronic Communications operators, Other network operatos, Public Authorities

Categories of information
Physical infrastructures, Surveys of Network Deployments (art 22 EECC), Planned civil works, In house Wiring Diagrams

Method of Publication
Dynamic Maps, Reports and Statistics, Provision of data



Type of information
Geodata (vector, raster, spatial reference κτλ.), word/excel files

Type of Access
Internal Use, Restricted Access, Public Access

Procedures to provide information
Email, webservices, upload server, timeframes

Current Status

Recovery & Resilience Fund Project

Part A

Supply, installation and configuration of the necessary hardware equipment and software - supply, installation and configuration of the necessary hardware equipment (e.g. servers, network, storage, security) and the necessary software (e.g. Relational database Management Systems, Operating Systems, GIS, Web & Application servers, backup etc) based on high data security requirement

Completed

Current Status - ongoing

Part B

System development, testing and operation: geographic surveys and mapping based on Legislative proposals (Art22 EECC, BCRD, GIA), the implementation of digital applications for the automated provision of services to the public and relevant authorities, interconnection with other public and OCECPR systems:

- the design and development of the web portal system according to the requirements of OCECPR and the abovementioned legislative proposals,
- geographical surveys of network deployments including information such as:
(i) Physical infrastructures (location, type, routes, manholes, poles, cabinets etc).
(ii) Technology, Maximum Download and upload speed classes, Expected Peak Time Download and upload speed classes VHCN class according to the type of network,
- the implementation of information tools for the automated provision of services to potential stakeholders,
- the interconnection of the web portal system with other data sources of relevant public authorities (e.g. National Statistical Service, Department of Lands and Surveys) and other OCECPR systems.

Important new features and functionalities

User Management and Access Control

- Role-Based Access Control : Supports distinct user types with specific access rights.
- Dynamic User Type Management: Allows the addition and modification of user types and their access levels + user Authentication and Password Management
- User Activity Logging
- User Dashboard: Personalized dashboards for different user types to access relevant information and tools.

Data Handling and Integration

- Data Upload and Download Capabilities: Supports uploading and downloading files in various formats, enhancing data handling efficiency and ensuring compatibility with different data sources.
- Search by different type of filters (e.g. technology, operator, type of infrastructure, address, municipality etc)
- REST API Provision: Ensures integration with existing systems and applications, enhancing interoperability and scalability.

Next Steps – Big Data

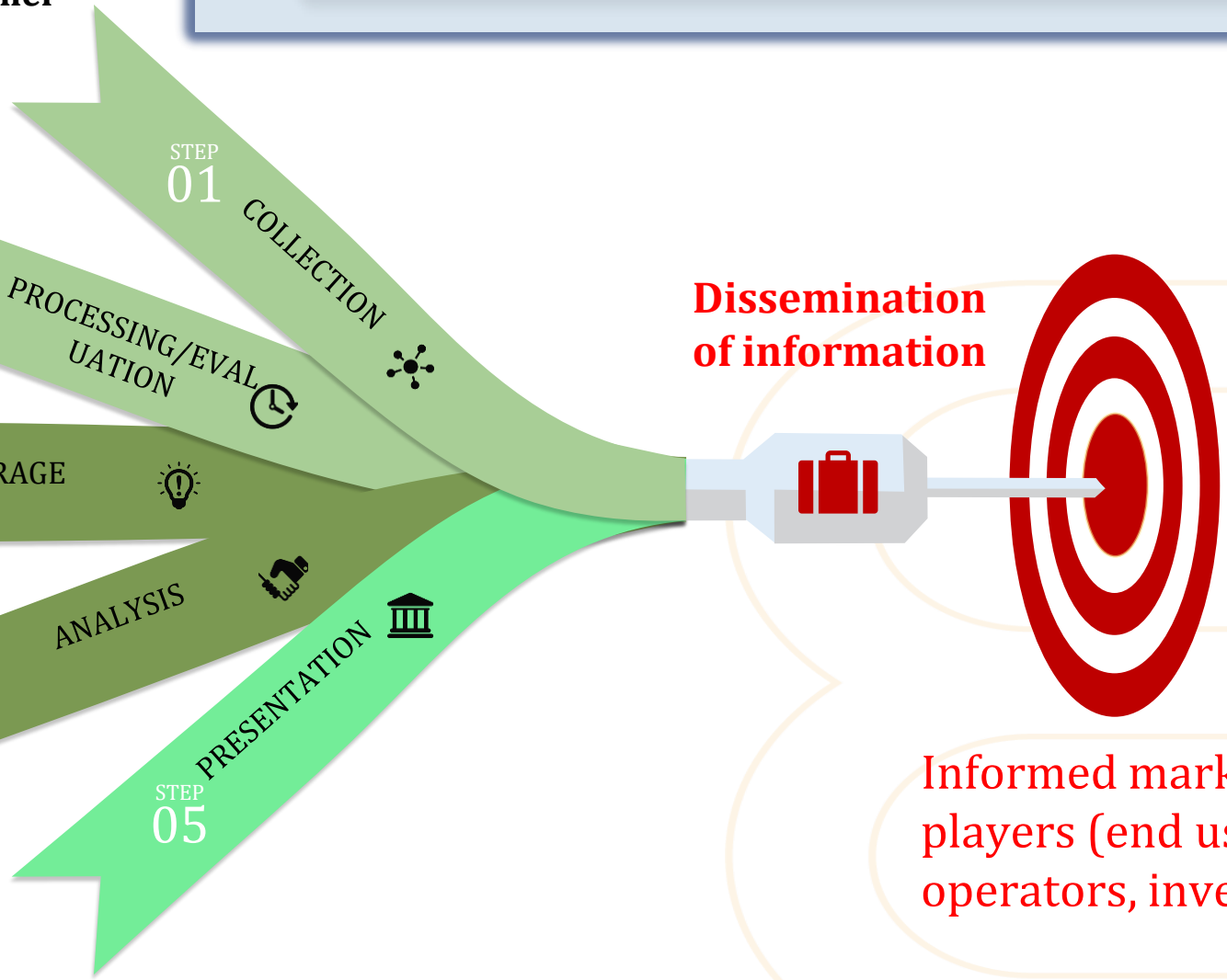
Collection of a large amount of information collected through the Market Observatory, Consumer Surveys, Consumer Complaints as well as OCECPR tools, other authorities and organizations

Evaluation of useful information, taking into account the diversity of data and the need to handle information holistically

Storage of information, through the creation of a Common Database and the creation of an information interconnection mechanism

Analysis of data and information, through a Data Processing Algorithm (Machine learning, AI)

Presentation of Information, through statistics, reports, maps, website and tools



Thank You

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για τη Ρύθμιση
Ηλεκτρονικών Επικοινωνιών
και Ταχυδρομείων